



KURZMAN ADMINISTRATION SERVICES
CRARY CAMPUS
501 N. Cass Lake Road
Waterford, Michigan 48328

PHONE: (248) 682-7800

Dear Waterford High School Students:

This booklet has been prepared by the staff to be used by you and your parents in the selection of the courses you will take during your Waterford high school education.

Use the booklet to its fullest extent. Read it carefully. Select your courses for both semesters in coordination with your Educational Development Plan (EDP) to enable you to reach your goals. In addition, your selections determine the schedule for next year.

Discuss your course interests with your parents, counselor, teachers, and mentors. Ask questions and make certain that your selections meet your future needs. Finally, once you have determined your schedule, do your best to put forth the time and effort that will guarantee a successful year.

Sincerely,

Waterford Kettering Administration
Lesley Van Sickle, Principal
Donna Hillstrom, Assistant Principal
Roger Opsommer, Assistant Principal
Rick Dorn, Athletic Director

Waterford Mott Administration
Craig Blomquist, Principal
Anne Kruse, Assistant Principal
David Lessel, Assistant Principal
Rick Dorn, Athletic Director

Waterford Alternative High School Administration
Monica Lee, Principal



DISTRICT MISSION STATEMENT:

We provide exemplary education for all students while developing the whole learner in a safe and caring environment. Our students will thrive in a rapidly changing, interconnected and competitive world, supported by collaborative relationships with staff, families and the community.

WATERFORD KETTERING HIGH SCHOOL

Lesley Van Sickle, Principal
Donna Hillstrom, Assistant Principal
Roger Opsommer, Assistant Principal
Rick Dorn, Athletic Director
2800 Kettering Drive
Waterford, MI 48329
Phone: 248-673-1261
Fax: 248-673-1778

Counselor Assignments
A-DG: Christy Bell
DH-HZ: Jeff Frankowiak
I-MH: Margaret Bryce
MI-SC: Kenneth Hembree
SD-Z: Sandra Ascitutto

2011-2012 Waterford High Schools Course Catalog is on the
Waterford School District Website: www.waterford.k12.mi.us

WATERFORD ALTERNATIVE HIGH SCHOOL CRARY CAMPUS

Monica Lee, Principal
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Waterford, MI 48328
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Counselor
Linda Eland

WATERFORD MOTT HIGH SCHOOL

Craig Blomquist, Principal
Anne Kruse, Assistant Principal
David Lessel, Assistant Principal
Rick Dorn, Athletic Director
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Counselor Assignments
A-CR: Nicole Bell
CU-HI: Mary Rademacher
HO-MI: Derek Wiley
MO-SE: Paul Pietrofesa
SH-Z: Laura Stanjones

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See following five pages for page numbers and details for each course listing.

CAREER PATHWAYS & COURSE NAMES	COURSE NUMBER	# OF CREDITS	GRADES	PAGE #
Arts and Communication:				
Art Foundation	0108	1/2 credit/semester	9, 10, 11, 12	14
Ceramics I	0106	1/2 credit/semester	9, 10, 11, 12	14
Ceramics II	0107	1/2 credit/semester	10, 11, 12	14
Drawing I	0111	1/2 credit/semester	9, 10, 11, 12	14
Drawing II	0112	1/2 credit/semester	9, 10, 11, 12	14
Drawing III	0114	1/2 credit/semester	10, 11, 12	15
Painting I	0121	1/2 credit/semester	9, 10, 11, 12	15
Painting II	0122	1/2 credit/semester	10, 11, 12	15
Commercial Art I	0131	1/2 credit/semester	9, 10, 11, 12	15
Commercial Art II	0133	1/2 credit/semester	10, 11, 12	15
Digital Photography	0140	1/2 credit/semester	10, 11, 12	15
Computer Art	0150	1/2 credit/semester	10, 11, 12	16
Jewelry I	0151	1/2 credit/semester	10, 11, 12	16
Jewelry II	0152	1/2 credit/semester	10, 11, 12	16
Advanced Placement Studio Art & Portfolio	0166	1 credit/full year	11, 12	16
Journalism	0527	1 credit/full year	10, 11, 12	16
Theatre Arts I – Introduction to Theatre	0565	1/2 credit/semester	9, 10, 11, 12	17
Theatre Arts II - Acting	0566	1/2 credit/semester	9, 10, 11, 12	17
Theatre Arts III – Advanced Acting & Directing	0567	1/2 credit/semester	10, 11, 12	17
Yearbook	0652	1 credit/full year	10, 11, 12	17
Introduction to Technical Theatre	0171	1/2 credit/semester	10, 11, 12	18
Technical Theatrical Production	0172	1/2 credit/semester	10, 11, 12	18
Scenic, Lighting, & Costume Design	0173	1/2 credit/semester	10, 11, 12	18
WKHS-TV Broadcast News	0174	1 credit/ full year	10, 11, 12	18
The Art of Film	0175	1 credit/ full year	10, 11, 12	18
The Craft of Film	0176	1 credit/ full year	10, 11, 12	19
Beginning Instrumental Music	1104	1/2 credit/semester	9, 10, 11, 12	19
Piano Keyboard I	1108	1/2 credit/semester	9, 10, 11, 12	19
Piano Keyboard II	1109	1/2 credit/semester	9, 10, 11, 12	19
Advanced Placement Music Theory	1128	1 credit/full year	10, 11, 12	19
Harmonia	1135	1/2 credit/semester	9, 10, 11, 12	20
		1 credit/full year	9, 10, 11, 12	20
Kettering/Mott Chorus	1140	1/2 credit/semester	9, 10, 11, 12	20
		1 credit/full year	9, 10, 11, 12	20
Chamber Singers (Madrigal Ensemble)	1113	1/2 credit/semester	10, 11, 12	20
			9th-only by audition	
		1 credit/full year	w/teacher	
Study of Jazz	1125	1 credit/full year	10, 11, 12	20
			9th - possible exceptions	
History of American Pop/Rock Music	1126	1/2 credit/semester	9, 10, 11, 12	21
Introduction to Music Technology I	1129	1/2 credit/ semester	9, 10, 11, 12	21
Introduction to Music Technology II	1130	1/2 credit/ semester	9, 10, 11, 12	21
Concert Band I	1150	1 credit/full year	9, 10, 11, 12	21
Concert Band II	1151	1 credit/full year	9, 10, 11, 12	21
Concert Band III	1152	1 credit/full year	9, 10, 11, 12	22
Jazz Band I	1170	1 credit/full year		22
Jazz Band II	1171	1 credit/full year		22
Philharmonic Orchestra	1186	1 credit/full year	9, 10, 11, 12	22
Symphony Orchestra	1187	1 credit/full year	9, 10, 11, 12	22
Chamber Orchestra	1188	1 credit/full year	9, 10, 11, 12	23

CAREER PATHWAYS & COURSE NAMES	COURSE NUMBER	# OF CREDITS	GRADES	PAGE #
Business, Management, Marketing & Technology:				
Accounting I	0221	1 credit/full year	10, 11, 12	23
Advanced Accounting	0222	1/2 credit/semester	11, 12	23
Building Wealth	0234	1/2 credit/semester	9, 10, 11, 12	23
Business Management	0233	1/2 credit/semester	10, 11, 12	24
Computer Applications	1001	1/2 credit/semester	9, 10, 11, 12	24
Advanced Computer Applications	1004	1/2 credit/semester	9, 10, 11, 12	24
Business Capstone Experience (Co-op)	0251	1 credit/full year	11, 12	24
Business Capstone Experience (Co-op)	0253	2 credits/full year	11, 12	24
Business Internship	0268	1/2 credit/semester	10, 11, 12	24
Applied Computer/Business Skills	0276	1/2 credit/semester	9, 10, 11, 12	24
Work Experience	0267	1/2 credit/full year	10, 11, 12	24
Sports and Entertainment Marketing	0277	1 credit/full year	10, 11, 12	25
Marketing I (Foundations and Functions)	0271	1 credit/full year	9, 10, 11, 12	25
Marketing II (Marketing Management)	0272	1 credit/full year	10, 11, 12	25
Marketing Capstone Experience (Co-op)	0281	1 credit/full year	11, 12	25
Marketing Capstone Experience (Co-op)	0283	2 credits/full year	11, 12	25
Marketing Internship	0285	1/2 credit/semester	10, 11, 12	25
Programming I	1010	1/2 credit/semester	9, 10, 11, 12	26
Programming II	1011	1/2 credit/semester	9, 10, 11, 12	26
Advanced Programming	1015	1/2 credit/semester	10, 11, 12 9 (with conditions),	26
Webmasters I	1016	1/2 credit/semester	10, 11, 12	26
Webmasters II	1017	1/2 credit/semester	9, 10, 11, 12	27
Networking	1018	1/2 credit/semester	10, 11, 12	27
Advanced Networking	1019	1/2 credit/semester	10, 11, 12	27
Engineering/Manufacturing & Industrial Technology:				
Intro to Computer Aided Drafting & Design (CADD) Technologies	1400	1/2 credit/semester	9, 10, 11, 12	28
Engineering Computer Aided Drafting & Design (CADD)	1402	1 credit/full year	10, 11, 12	28
Architectural Computer Aided Drafting & Design (CADD)	1403	1 credit/full year	10, 11, 12	28
CADD Occupations	1404	2 credits/full year Or 1 credit/year	11, 12	28
Industrial Production Technology I	1412	1/2 credit/semester	9, 10, 11, 12	29
Industrial Production Technology II	1413	1/2 credit/semester	9, 10, 11, 12	29
Advanced Industrial Production Technology	1414	2 credits/full year	10, 11, 12	29
Auto Tech Training I	1450	1/2 credit/semester	10, 11, 12	30
Auto Tech Training II – Brake Systems	1448	1/2 credit/semester	10, 11, 12	30
Auto Tech Training II – Suspension Systems	1449	1/2 credit/semester	10, 11, 12	30
Auto III – Automotive Electricity, Engine Performance	1452	2 credits/full year	11, 12	30
Technology Education Capstone Experience (Co-op)	1481	1 credit/full year	11, 12	30
Technology Education Capstone Experience (Co-op)	1482	2 credits/full year	11, 12	30
Technology Education Internship	1483	1/2 credit/semester	10, 11, 12	30
Aeronautics I	1460	1 credit/full year	11	31
Aeronautics II	1461	1 credit/full year	12	31
Health Sciences:				
Responding to Emergencies	0405	1/2 credit/semester	9, 10, 11, 12	31
Medical First Responder	0406	1/2 credit/semester	11, 12	32
Health Care Careers	0410	1 credit/full year	10, 11, 12	32
Human Service Occupations Capstone Experience (Co-op) (1 hr)	0412	1 credit/full year	11, 12	32
Human Service Occupations Capstone Experience (Co-op) (2 hrs)	0441	1 credit/full year	11, 12	32
Human Service Occupations Capstone Experience (Co-op) (2 hrs)	0443	2 credits/full year	11, 12	32
Career Connections	0445	2 credits/full year	11, 12	33

CAREER PATHWAYS & COURSE NAMES	COURSE NUMBER	# OF CREDITS	GRADES	PAGE #
Human Services:				
Nutrition for You	0301	1/2 credit/semester	9, 10, 11, 12	33
Parenting/Child Development	0302	1/2 credit/semester	9, 10, 11, 12	33
Housing and Design	0306	1/2 credit/semester	9, 10, 11, 12	34
Human Relationships	0307	1/2 credit/semester	9, 10, 11, 12	34
Single Survival	0308	1/2 credit/semester	10, 11, 12	34
Personal Financial Management	0305	1/2 credit/semester	11, 12	34
Sexuality Education	0328	1/2 credit/semester	11, 12	34
Careers with Children	0401	2 credits/full year or 1 credit/full year	10, 11, 12	35
Human Service Occupations Capstone Experience (Co-op) (1 hr)	0441	1 credit/full year	11, 12	35
Human Service Occupations Capstone Experience (Co-op) (2 hrs)	0443	2 credits/full year	11, 12	35
Cosmetology	1641	6 credits/3 semesters	12	35
Manicuring – 2 nd Semester Only	1660	2 credits/1 semester	12	35
Language Arts:				
Language Arts I	0552	1 credit/full year		36
Language Arts II	0570	1 credit/full year		36
Language Arts Honors II	0572	1 credit/full year		36
Language Arts III	0581	1 credit/full year		36
Language Arts IV	0592	1/2 credit/semester		36
Advanced Placement English Language & Composition III	0584	1 credit/full year		36
Advanced Placement English Literature & Composition IV	0596	1 credit/full year		36
Writing/Film	0511	1/2 credit/semester	11, 12	37
Reading and Writing	0521	1/2 credit/semester	11, 12	37
Humanities	0522	1/2 credit/semester	11, 12	37
Creative Writing	0523	1/2 credit/semester	11, 12	37
College Prep Composition	0526	1/2 credit/semester	11, 12	37
Journalism	0527	1 credit/full year	10, 11, 12	38
Theatre Arts I – Introduction to Theatre	0565	1/2 credit/semester	9, 10, 11, 12	38
Theatre Arts II - Acting	0566	1/2 credit/semester	9, 10, 11, 12	38
Theatre Arts III – Advanced Acting & Directing	0567	1/2 credit/semester	10, 11, 12	38
Debate	0569	1/2 credit/semester	9, 10, 11, 12	39
Myths and Legends	0580	1/2 credit/ semester	11, 12	39
Yearbook	1652	1 credit/full year	10, 11, 12	39
ESOL Academic Assistance	1680	1/2credit/semester	9, 10, 11, 12	39
ESOL English	1687	1 credit/full year	9, 10, 11, 12	39
Mathematics:				
Algebra I	0814	1 credit/full year	9, 10, 11, 12	40
Geometry	0816	1 credit/full year	9, 10, 11, 12	40
Honors Geometry	0815	1 credit/full year	9, 10	40
Algebra II	0817	1 credit/full year	10, 11, 12	40
Beginning Algebra II Year 1	0829	1 credit/full year	11, 12	40
Intermediate Algebra II Year 2	0830	1 credit/full year	11, 12	40
Honors Algebra II	0827	1 credit/full year	10, 11	41
Statistical Topics in Mathematics	0820	1/2 credit/semester	11, 12	41
Discrete and Finite Topics in Mathematics	0821	1/2 credit/semester	11, 12	41
Senior Mathematics	0831	1 credit/full year	12	41
Advanced Placement Statistics	0822	1 credit/full year	11, 12	42
Precalculus	0832	1 credit/full year	11, 12	42
Advanced Placement Calculus	0819	1 credit/full year	12	42

CAREER PATHWAYS & COURSE NAMES	COURSE NUMBER	# OF CREDITS	GRADES	PAGE #
<i>Physical Education:</i>				
Personal Fitness	1201	1/2 credit/semester	9, 10, 11, 12	42
Health	1234	1/2 credit/semester	9, 10, 11, 12	43
Strength Fitness	1209	1/2 credit/semester	9, 10, 11, 12	43
Individual Lifetime Sports	1210	1/2 credit/semester	9, 10, 11, 12	43
Team Sports	1214	1/2 credit/semester	9, 10, 11, 12	43
Advanced Weight Training	1216	1/2 credit/semester	10, 11, 12	43
Beginning Contemporary Dance	1217	1/2 credit/semester	9, 10, 11, 12	44
Sports Officiating	1218	1/2 credit/semester	10, 11, 12	44
Independent Study in Physical Education	1219	1/2 credit/semester	10, 11, 12	44
Aerobics and Strength Training	1232	1/2 credit/semester	9, 10, 11, 12	44
Advanced Conditioning for the Varsity Athlete	1230	1/2 credit/semester	9, 10, 11, 12	44
<i>Science:</i>				
Geophysical Science	1308	1 credit/full year	9	45
Honors Geophysical Science	1309	1 credit/full year	9	45
Biology	1313	1 credit/full year	10	45
Honors Biology	1320	1 credit/full year	10	45
Advanced Placement Biology	1319	1 credit/full year	11, 12	45
Anatomy/Physiology	1314	1 credit/full year	10, 11, 12	45
Crime Scene Investigation (Forensic Science)	1315	1/2 credit/semester	12	46
Chemistry	1323	1 credit/full year	10, 11, 12	46
Honors Chemistry	1325	1 credit/full year	10, 11, 12	46
Advanced Placement Chemistry	1324	1 credit/full year	11, 12	46
Physics	1335	1 credit/full year	10, 11, 12	47
Honors Physics	1337	1 credit/full year	10, 11, 12	47
Advanced Placement Physics	1336	1 credit/full year	11, 12	47
Advanced Placement Environmental Science	1310	1 credit/full year	11, 12	47
<i>Social Studies:</i>				
World Studies	0913	1 credit/full year	9	48
United States History	0910	1 credit/full year	10	48
Honors United States History	0911	1 credit/full year	10	48
American Civics	0926	1 credit/full year	11	48
Honors American Civics	0927	1 credit/full year	11	49
Current Issues	0904	1/2 credit/semester	10, 11, 12	49
Street Law	0939	1/2 credit/semester	10, 11, 12	49
Anthropology	0921	1/2 credit/semester	10, 11, 12	49
Sociology	0922	1/2 credit/semester	10, 11, 12	49
Psychology	0924	1 credit/full year	10, 11, 12	50
Advanced Placement Psychology	0925	1 credit/full year	11, 12	50
Advanced Placement Government	0930	1 credit/full year	12	50
Advanced Placement World History	0931	1 credit/full year	10, 11, 12	50
Advanced Placement United States History	0932	1 credit/full year	10 (with minimum criteria), 11, 12	50
Advanced Placement Economics	0935	1 credit/full year	11, 12	51
Student Leadership	0940	1/2 credit/semester	9, 10, 11, 12	51

CAREER PATHWAYS & COURSE NAMES	COURSE NUMBER	# OF CREDITS	GRADES	PAGE #
World Languages:				
French I	0701	1 credit/full year	9, 10, 11, 12	51
French II	0702	1 credit/full year	10, 11, 12	51
French III	0703	1 credit/full year	10, 11, 12	51
French IV	0704	1 credit/full year	12	52
Advanced Placement French	0705	1 credit/full year	12	52
Spanish I	0711	1 credit/full year	9, 10, 11, 12	52
Spanish II	0712	1 credit/full year	9, 10, 11, 12	52
Spanish III	0713	1 credit/full year	10, 11, 12	52
Spanish IV	0714	1 credit/full year	11, 12	52
Advanced Placement Spanish V	0715	1 credit/full year	12	53
Japanese I	0730	1 credit/full year	9, 10, 11, 12	53
Japanese II	0731	1 credit/full year	10, 11, 12	53
Japanese III	0732	1 credit/full year	11, 12	53
German I	0792	1 credit/full year	9, 10, 11, 12	53
German II	0793	1 credit/full year	10, 11, 12	54
German III	0794	1 credit/full year	11, 12	54
German IV	0795	1 credit/full year	11, 12	54
Advanced Placement German	0796	1 credit/full year	12	54
Alternative Programs:				
Student Mentor	1618	1/2 credit/semester	11, 12	55
Independent Studies/World Travel	1640	1/2 credit/semester	11, 12	55
Yearbook	1652	1 credit/full year	10, 11, 12	55
Video Production I	1670	1/2 credit/semester	10, 11, 12	55
Video Production II	1671	1/2 credit/semester	11, 12	55
Community Service	1675	1/2 credit/semester		56
Seminar	5000	1/2 credit/full year	9, 10, 11, 12	56
Learning Resource Center:				
Language Arts	2552	1 credit/full year	9	57
Language Arts	2570	1 credit/full year	10	57
Language Arts	2581	1 credit/full year	11	57
Language Arts	2592	1 credit/full year	12	57
Consumers Math I	2810	1 credit/full year	9, 10, 11, 12	58
Consumers Math II	2811	1 credit/full year	9, 10, 11, 12	58
Algebra I	2814	1 credit/full year	9, 10, 11, 12	58
Geometry	2816	1 credit/full year	9, 10, 11, 12	58
World Studies	2913	1 credit/full year	9	59
U. S. History	2910	1 credit/full year	10	59
American Civics	2926	1 credit/full year	11	59
Geophysical Science	2308	1 credit/full year	9	59
Biology	2313	1 credit/full year	10, 11, 12	59
Personal Achievement	2224	1 credit/full year	9, 10, 11, 12	60
Vocational Options	2402	1.5 credits/semester	11, 12	60
Employability Skills	2403	1/2 credit/semester	9, 10, 11, 12	60
Work-Site Based Education	2405	1/2 credit/semester	11, 12	60

Key to Pathway reference in course descriptions:

AC	Arts and Communication
BMMT	Business, Management, Marketing and Technology
E/M&IT	Engineering/Manufacturing and Industrial Technology
HSci	Health Sciences
HSer	Human Services
NR&A	Natural Resources and Agriscience

EDP/CAREER PATHWAYS INFORMATION

Business, industry, and the technical fields have specific requirements for you to enter a job or go on for further training after high school. You should carefully plan your course of study to make sure you are prepared for the job or career of your choice.

A primary goal of the Waterford School District is to prepare each student to realize personal, educational, and occupational goals. For some individuals, these goals will be realized after completing additional training or education beyond high school. No goal can be attained, however, without a plan. No plan will guarantee success in realizing career goals; but a student having clear goals in life, a plan to realize those goals, and a desire to succeed will be better assured of success than the student with less preparation and commitment. It is our hope that each student will be the best student that he/she can be.

The Waterford School District has implemented a school-wide career development program that delivers a comprehensive career guidance curriculum that is designed to better prepare our youth to meet the challenges of a global economy. This process incorporates career awareness activities and includes the development of an **EDP (Educational Development Plan)**. A student's EDP will be reviewed at each grade level to ensure that the student's stated career objective is in alignment with the course of study, and that each student is making progress toward meeting district outcomes for graduation. Students access Career Cruising, a web-based program, for the purpose of completing their EDP. (See additional information below.)

The State of Michigan has established Career Pathways that are broad groupings of careers that share similar characteristics and whose employment requirements call for many common interests, strengths, and competencies. Six Career Pathways have been identified to cover all career opportunities regardless of educational requirements. Through the development of an EDP, students will obtain an awareness of pathways that correlate with their interests and strengths. Recommended four year High School plans for each career pathway are available on the Waterford School District website at <http://www.waterford.k12.mi.us>, click on *Parents and Students*, then on *High School Course Catalog*. The four year plans are based on student year of graduation and post-secondary goals.

Lori Keebaugh, Supervisor
Career Preparation and Continuing Education

ACCESSING CAREER CRUISING

Career Cruising, a web-based EDP program, gives students and parents easy access to all of the career research and assessment results in the EDP. In addition, Career Cruising contains information on careers, colleges and financial aid. To access Career Cruising, type the internet address, www.careercruising.com and login using the appropriate building ID and password. Students are issued a personal ID and password for developing, accessing and modifying their individual EDP.

Building	Username	Password
Kettering	Kettering	Waterford
Mott	Mott	Waterford
WAHS	Crary	Waterford
KMS	Kingsley	Waterford

CAREER PREPARATION ACTIVITIES BY GRADE:

9th Grade Career Cruising EDP Activities

- Career Matchmaker
- Careers of Interest - Minimum 2
- Career Selector
- Education Plan: Grade 9
- Career and Life Goals
- Other Assessment

11th Grade Career Cruising EDP Activities

- Career Cluster/Pathway Selection
- Post Secondary Plan
- Career and Life Goals

10th Grade Career Cruising EDP Activities

- Careers of Interest - Minimum 2
- Career Selector
- Education Plan: Grade 10
- Career Cluster/Pathway Selection
- Post Secondary Plan
- Career and Life Goals
- Other Assessment

12th Grade Career Cruising EDP Activities

- Career Cluster/Pathway Selection
- Post Secondary Plan
- Career and Life Goals

Michigan Career Pathways



Arts and Communications: careers related to humanities and performing, visual, literary and media arts. These include architecture; graphic, interior, and fashion design; writing; film; fine arts; journalism; languages; media; advertising; and public relations.



Business, Management, Marketing and Technology: careers related to the business environment. These include entrepreneurship, sales, marketing, computer/information systems, finance, accounting, personnel, economics and management.



Engineering/Manufacturing and Industrial Technology: careers related to technologies necessary to design, develop, install and maintain physical systems. These include engineering, manufacturing, construction, service and related technologies.



Health Sciences: careers related to the promotion of health and treatment of disease. These include research, prevention, treatment and related health technologies.



Human Services: careers related to economic, political and social systems. These include education, government, law and law enforcement, leisure and recreation, military, religion, child care, social services and personal services.



Natural Resources and Agriscience: careers related to agriculture, the environment and natural resources. These include agricultural sciences, earth sciences, environmental sciences, fisheries, forestry, horticulture and wildlife.

GRADUATION REQUIREMENTS

To graduate from a high school in the Waterford School District, students must successfully complete the following requirements:

Requirements	
Total Credits Required to Graduate	24
Language Arts <i>*Required: LA I, LA II, LA III, LA IV (.5) & LA Elective (.5)</i>	4.0*
Mathematics <i>*Required: Algebra I, Geometry, Algebra II and a full year (1.0) of math or math related classes in the senior year.</i>	4.0*
Science <i>*Required: Geophysical Science, Biology, Chemistry &/or Physics</i>	3.0*
Social Studies <i>*Required: World Studies, United States History, American Civics</i>	3.0*
Physical Education <i>*Required: Personal Fitness (0.5) and Health (0.5)</i>	1.0*
Performing and Visual Arts (PAVA)	1.0*
Additional Requirements Additional PAVA or Career Technical Education (CTE) Seminar (1/4 credit each semester) Michigan Merit Exam (MME)	1.0 2.0 Valid score
Open Electives	5.0
Total	24
<i>*Michigan Merit Curriculum Requirement</i>	

GRADUATION REQUIREMENTS

English Language Arts Options

Option	9 th Grade	10 th Grade	11 th Grade	12 th Grade
Option 1	LAI	LA II	LA III	LA IV and elective
Option 2	LAI	Honors LA II	LA III	LA IV and elective
Option 3	LAI	Honors LA II	AP III	AP IV
Option 4	LAI	Honors LA II	AP III	LA IV and elective
Option 5	LAI	Honors LA II	LA III	AP IV

Social Studies Options

Option	9 th Grade	10 th Grade	11 th Grade	12 th Grade
Option 1	World Studies	United States History	American Civics	Electives or AP courses as desired
Option 2	World Studies	Honors U. S. History	American Civics or Honors American Civics	Electives or AP courses as desired
Option 3	World Studies	AP U.S. History	American Civics or Honors American Civics	Electives or AP courses as desired

Science Options

Option	9 th Grade	10 th Grade	11 th Grade	12 th Grade
Michigan Merit Curriculum and Minimum Requirements	Geophysical Science	Biology	Chemistry or Physics	
Biological or Medical Science Option	Geophysical Science	Honors Biology	AP Biology & Honors Chemistry	AP Chemistry & Honors Physics
Physical or Engineering Science Option	Option # 1	Geophysical Science	Honors Chemistry & Honors Physics	AP Chemistry & AP Physics
	Option # 2	Honors Geophysical Science	AP Chemistry & Honors Physics	AP Physics

Possible Math Path Options

Options	9 th Grade	10 th Grade	11 th Grade	12 th Grade
Option 1	Algebra I	Geometry	*Algebra II	Precalculus, Senior Mathematics or Math Elective or Math Related Class
Option 2	Algebra I	Geometry	Beginning Algebra II	Intermediate Algebra II
Option 3	Honors Geometry	*Honors Algebra II	Precalculus	AP Calculus or AP Statistics
Option 4	Geometry	*Algebra II	Precalculus	AP Calculus or AP Statistics or Math Elective or Math Related Credit

*Many OTC classes incorporate Algebra II credit.

Additional Mathematics Credits

All students earn Algebra I, Geometry and Algebra II credit. In addition to these required mathematics credits, an additional 1.0 credit must be earned in math in the senior year by taking a math course or math-related courses.

Students can earn math credit through the successful completion of courses in the mathematics department or the following courses:

- 1.0 Accounting I
- .5 Advanced Accounting
- .5 Building Wealth
- .5 Programming I
- .5 Programming II
- .5 Advanced Programming
- .5 After completion of both Webmasters I and Webmaster II
- .5 After completion of both Networking and Advanced Networking
- .5 Intro to Computer Aided Drafting & Design Technologies
- 1.0 Engineering Computer Aided Drafting & Design
- 1.0 Architectural Computer Aided Drafting & Design
- 1.0 CADD Occupations
- 1.0 Advanced Industrial Production Technology
- .5 Auto Tech I
- .5 Auto Tech II – Brake Systems
- .5 Auto Tech II – Suspension Systems
- 1.0 Auto Tech III
- Cosmetology (completion of entire program)
- 1.0 Health Care Careers
- 1.0 Career Connections
- 1.0 Physics, Honors Physics or AP Physics - if not used for science requirement
- 1.0 Chemistry, Honors Chemistry, or AP Chemistry – if not used for science requirement
- .5 Personal Financial Management

HIGH SCHOOL TIMETABLE

9th GRADE/FRESHMEN YEAR

- Use a planner
- Use seminar time wisely. Seminar does not allow a student enough time to complete all homework. It is offered for them to start working on the homework or visit teachers to make-up work, tests or get help on homework.
- NHS Tutors are available to help students
- Get off to a good start – get involved with sports, activities, clubs, and organizations
- Make new friends and wise decisions
- Discuss academic and social goals with your counselor or your family
- Meet with your counselor to review your 4-year EDP (Educational Development Plan)
- Ask your counselor about the NCAA core curriculum if you plan to play college sports

10th GRADE/SOPHOMORE YEAR

- PLAN test (practice ACT & career information)
- PSAT for practice. Sign up in the Bookstore.
- Attend local College Nights
- Oakland Technical Center (OTC) visitations are all-year, monthly (if interested, see counselor). Attend the open house if you are interested in any OTC programs.
- Discuss taking Advanced Placement or Dual Enrollment (classes at community college) classes with your teachers and counselor.
- Research Careers/Colleges/Scholarships Online or in the Counseling Office
- Volunteer in your community

11th GRADE/JUNIOR YEAR: A critical year for ACADEMIC SUCCESS!

- Attend local College Nights and visit colleges
- PSAT/NMSQT: Practice SAT, qualifying high scorers for the National Merit Scholarship Program.
- Schedule to meet with College Representatives when they visit the High School
- MME/ACT Testing in March (Offered once at school at no cost to the student)
- Practice tests for ACT/MME are at actonlineprep.com
- Take additional ACT tests by registering at actstudent.org
- SAT testing – Register online at collegeboard.com
- NCAA Clearinghouse - required for college sports. Sign up at eligibilitycenter.com
- Meet with counselor to discuss graduation requirements
- Meet with Career Center to discuss career and college options

12th GRADE/SENIOR YEAR

- PARENTS: Attend Financial Aid Night in January
- Attend local College Nights and visit colleges in October
- Retake ACT & SAT early fall in attempt to increase score - Register at actstudent.org
- Start completing college applications in the summer/fall, processed through your counselor
- Write Thank You notes to teachers that write letters of recommendation
- Check the Career Resource Room for important information and scholarship deadlines
- Scholarship Applications: go to fastweb.com to locate scholarship information
- Financial Aid forms are available in January. Please go to fafsa.com for all forms and information.
- Schedule to meet with College Representatives for on-site admissions/information
- Meet with your counselor on a regular basis to ensure you are on track for graduation

NCAA ELIGIBILITY – JUNIORS & SENIORS

If you are planning to enroll in college as a freshman and you wish to participate in Division I or II athletics, you must register and be certified by the NCAA Eligibility Center. Students may not practice or receive aid without being certified. To begin the registration process, students must register online at NCAA Eligibility Center to submit their application. It is strongly recommended that students register no later than the end of their junior year in high school. Please visit www.ncaaclearinghouse.net to register.

To be certified by the Eligibility Center, the student must graduate from high school and meet NCAA academic standards.

To obtain additional details regarding criteria for freshmen eligibility, please refer to the Interscholastic Athletic Code of Conduct on the District website or contact your counselor or the athletic department.

Information on NCAA Academic Eligibility Requirements can also be found on the following websites: www.ncaa.org.

You may also call the NCAA Initial-Eligibility Center toll free at 877-262-1492.

It is the parent/student responsibility to ensure that the courses taken in high school meet NCAA requirements for the chosen college/university.

TESTING PROGRAM

PLAN

PLAN is administered to all sophomores in the Spring. It is made up of these primary segments: career planning, study-skills assessment, course-planning, and a shortened version of the ACT exam. Students' scores earned on the ACT portion of PLAN will be used to qualify students for Dual Enrollment their junior and senior years.

Through PLAN, we can provide positive student exposure to the ACT and obtain performance feedback for administrators and teachers to better prepare for the Michigan Merit Exam (which will be using, in large part, the ACT exam).

PLAN involves three parts:

Part One: Career-assessment activity, core course analysis, study skills assessment, and scholarship-search demographics.

Part Two: English timed test (30 minutes) and Reading timed test (20 minutes).

Part Three: Math timed test (40 minutes) and Science timed test (25 minutes).

Michigan Merit Exam

The Michigan Merit Exam (MME) is made up of the national ACT and WorkKeys tests in mathematics and reading, plus additional tests created in Michigan in the areas of mathematics, science, and social studies.

MME testing is currently divided into three parts: the ACT, the WorkKeys and Michigan mathematics tests, and the Michigan science and social studies tests. Each new test will be based on the revised High School Content Expectations adopted by the State Board of Education. Every student must take the Michigan Merit Exam to be eligible for a Waterford School District diploma.

For additional information on the Michigan Merit Exam, visit www.michigan.gov/mme.

Preliminary Scholastic Aptitude Test (PSAT)

The Preliminary Scholastic Aptitude Test (PSAT) is the forerunner of the SAT, offering students the opportunity to see what the SAT is like. Students can use their PSAT scores to project corresponding SAT scores. Average or better-than-average scores show that students are probably developing the kinds of skills needed for academic success in college.

As with the SAT, the Writing, Critical Reading, and Mathematics aptitudes are tested on the PSAT. Through its voluntary Student Search Service, colleges mail information to students who meet certain criteria and who may be interested in the programs and majors they offer.

TESTING PROGRAM

It is recommended that all college-bound juniors take the PSAT. In September of the senior year, 55,000 seniors nationwide are recognized by the National Merit Scholarship Corporation on the basis of outstanding PSAT scores earned as juniors.

The PSAT is offered only once during the junior year – on a national testing date in October. Study guides are available when you register. Sophomores may also take the PSAT on the October test date, affording them two opportunities to score well on the PSAT.

The Scholastic Aptitude Test (SAT)

The Scholastic Aptitude Test (SAT) is administered by the College Board and is the preferred admission test for colleges in New England, New York, and the West Coast. The SAT scores are utilized in determining state financial aid for residents in these states. If the student's out-of-state college prefers the SAT, check first to see if the college will also accept ACT scores. Most colleges that use the SAT also use an equivalency system that shows comparable ACT-SAT scores.

The SAT includes three tests: Writing, Critical Reading, and Mathematics. The Writing Test includes these components: a 25-minute written essay section and two grammar and usage multiple-choice sections (35 minutes). The Critical Reading test is 70 minutes and involves sentence completions and passage-based reading, and measures extended reasoning, literal comprehension, and vocabulary in context. The Mathematics test is 70 minutes and involves multiple-choice items and student-produced responses. It measures number and operations, Algebra I, Algebra II, functions, geometry, statistics, probability, and data analysis.

A number of selective colleges require one or more SAT Subject Tests in addition to the entrance exam. Subject Tests help determine how well prepared you are for various college programs, and they serve as placement tests. Take the SAT on a date prior to the date you take your SAT Subject Tests. Pay strict attention to the deadline for taking your SAT Subject Tests. Colleges will not modify their due date.

Pick up your SAT registration packet in the counseling office, or go online to collegeboard.com for a calendar of testing dates and for further details.

Michigan Mathematics Prize Competition

The Michigan Math Prize Competition is offered by the Michigan Section of the Mathematical Association of America to encourage students to develop their interests and abilities in mathematics. Part I is open to all students in Michigan high schools. This exam consists of 40 multiple-choice questions involving topics from high school mathematics. From approximately 14,000 participants in Part I, the top 1,000 students are invited to take Part II. Each year, the students with the top 100 scores in the two parts are honored with scholarships ranging from \$500 to \$2,600.

Armed Services Vocational Aptitude Battery (ASVAB)

The ASVAB is a free career-exploration program that assists students in identifying aptitudes for a variety of careers. An aptitude is a capability that you have developed to become proficient in a certain type of activity, if given the opportunity. Students may discover that they are capable of learning a particular type of work and pursuing certain types of training.

Included in the program is an aptitude assessment test and Exploring Careers, the ASVAB workbook, which students may keep to continue their career investigation. The workbook contains Interest-Finder, a self-administered interest inventory, and information on more than 200 careers.

ASVAB scores do not affect school grades. ASVAB scores are not included on the high school transcript, and they are not sent to colleges. The ASVAB is administered by specially trained test administrators from the federal government, and it is offered on a specified day each fall. The test lasts three hours. Taking the ASVAB does not obligate students to the military in any way. ASVAB information is not made available to the Selective Service System.

ASSESSMENT FOR CREDIT

This opportunity to earn high school credit is available to students beginning with the graduating class of 2011. Students are eligible to request to take an Assessment for Credit beginning in May of the eighth grade year and each subsequent year. Students may earn high school Credit through Assessment for any course offered by the Waterford School District. The credit earned will count toward meeting graduation requirements. There is no maximum number of credits students may earn. Students may earn credit if they successfully complete subject area content expectations or guidelines for the credit with an assessment score of 80% or better. In addition to an examination, the assessment may include a portfolio, performance, paper, project or demonstration. The student must have a minimum score of 80% on each portion of the test to obtain credit.

Procedure for Assessment for Credit

1. The student will obtain a *Request to Take an Assessment for Credit* form from the counseling office or it can be obtained online through the Cyber Academy website in March.
2. Request forms are due back to the counselor no later than May 15 for the August assessment. The counselor will advise the student on the suitability of taking the assessment.
3. Students who have signed up to test may pick up the following from the bookkeeper at their high school at the end of the school year:
 - Course Syllabus
 - Assessment tasks the student will have to perform and to what standard
 - Resource List. Textbooks will be provided if they are available. Students must return materials prior to the exam.
4. Assessment for credit will take place once a year.
 - Written Assessments will be given the second or third week of August
 - Required Performance Demonstrations will be given by appointment by end of August.
5. All assessments will remain the property of the school district and will not be returned to the student.
6. Credits earned through Assessment for Credit may not be included in the computation of the grade point average. The grade will be noted on the transcript as Pass.
7. Students must follow the pre-requisite course sequence if one is required.
8. If a student fails to earn credit through traditional school enrollment, and then earns credit through the Assessment for Credit process, the initial grade remains on the student transcript.

DUAL ENROLLMENT PROCEDURES

Students can take college level courses that may count for both high school and/or college credit(s).

Seniors and juniors who meet the following criteria are eligible for tuition fees paid by Waterford Schools.

State law (Public Act 160, Post Secondary Enrollment Options Act and Public Act 258, Career and Technical Preparation Act) mandates that tuition, mandatory fees, and registration fees be paid only if the following criteria are met:

- The student must be an enrolled junior or senior during the time of Dual Enrollment.
- The student must be enrolled in the post secondary institution during the academic school year.
- Juniors and seniors would be eligible for courses in the subject area in which the student has met the State of Michigan eligibility requirements. See your counselor for more information.
- The post secondary course must not duplicate a course offered at the school.
- The student must be enrolled in at least one course at the high school and be carrying a combination of six (6) classes between the two institutions.
- Students, who withdraw from a college course(s) may not add replacement courses at the high school.
- Eligible college courses: 1) The course is not offered by WKHS or WMHS; 2) The course is offered by WKHS or WMHS but is determined by the Board of Education not to be available to the student because of scheduling conflicts beyond the student's control; 3) The college course cannot be a hobby, craft or recreational, physical education, theology, divinity or religion education.
- Credit toward high school graduation will be 0.5 credit per each college/university course taken.

DUAL ENROLLMENT PROCEDURES

School districts are required to pay the lesser of: (a) the actual charge for tuition, mandatory course fees, material fees and registration fees; or (b) the state portion of the student's foundation allowance, adjusted to the proportion of the school year they attend the post secondary institution. The portion of tuition and fees to be covered by the Waterford School District is determined by a formula developed by the Michigan Department of Education identified in Public Act 160. Student's payment will vary depending upon the college selected, courses selected, textbooks required, and material and lab fees required for the course(s) selected. The student is responsible for cost of textbooks and any portion of the tuition and fees not covered by the school district.

The State of Michigan School Code of 1976, as amended by 1993 Public Act 335, Section 1150 states that:

Any student not meeting the above standards may receive dual credit for course work at a community college or public university with no reimbursement of cost.

Please work with your counselor if you would like to consider dual enrollment.

LAWRENCE TECHNOLOGICAL UNIVERSITY OPTIONS

Waterford School District and Lawrence Technological University have partnered to offer hybrid/on-line courses for our students. This opportunity includes courses in the business management and information technology areas. Those courses include: INT 3023 IT Inaugural and MGT 1212 Business Issues. Students may be required to report to class on Lawrence Technological University's campus several times per semester. Students must provide their own transportation. Students may earn one high school credit and two Lawrence Technological University credits per course.

Students must be junior or senior status with a grade point average of 3.0 or higher to apply for this opportunity. Additional state guidelines must be met (see information regarding dual enrollment).

Enrollment in these courses is limited.

Interested students should contact their counselor.

ADVANCED PLACEMENT PROGRAMS

Students have a variety of advanced placement (AP) courses available to them. AP courses follow a syllabus developed by the College Board and aim to prepare students for the AP Exam in May. These courses are designed for highly motivated students who demonstrate strength in a particular curricular area. Students are responsible for the exam fee; however, they may receive college credit if they are able to demonstrate competency.

The AP College Board offers AP Exams in 19 subject areas. You are not required to take an AP class to sign up for an AP Exam. If you are interested in obtaining more information about advanced placement courses or an AP Exam for an area not listed here, please contact your counselor for more information.

The following courses are available to students depending upon student pre-enrollment:

Language Arts

AP English Language & Composition III
AP English Literature & Composition IV

Arts & Communication: Music

AP Music Theory
AP Studio Art and Portfolio

Mathematics

AP Calculus
AP Statistics

World

Languages
AP French
AP German
AP Spanish V

Social Studies

AP US History
AP Government
AP World History
AP Economics
AP Psychology

Science

AP Biology
AP Chemistry
AP Physics
AP Environmental Science

Advanced Placement courses are assigned a weighted grade.

VIRTUAL COURSES

Online courses are available to high school students through several organizations. Online programs that are accredited by North Central are accepted as elective credit. Students who elect to participate in online courses are expected to utilize their own computer hardware. If a student successfully completes an online course, official documentation must be mailed from the accrediting school to the counseling office in order for credit to be officially granted.

Students may receive credit in core subject areas through virtual courses developed and approved by the Waterford School District.

See your counselor for information about Online course availability.

TECH PREP PROGRAMS

Tech Prep is a combined secondary and post secondary program culminating in a post secondary degree or technical certificate. The Tech Prep curriculum is developed by secondary and community college teachers with input from business, industry, and labor partners. Tech Prep programs utilize academic and technological knowledge to prepare students for lifelong learning and careers. Students meeting the criteria can earn college credits while saving time and money.

The Tech Prep secondary student is one who:

- Has declared Tech Prep as his/her curriculum choice by completing the “letter of intent” with the counseling department.
- Has an EDP (Educational Development Plan) showing election of Tech Prep.
- Is following the consortium approved course sequence.
- Has completed Tech Prep courses.
- Has achieved secondary level Tech Prep competencies.

See “Articulation Programs with Post-Secondary Schools” for a list of courses.

ARTICULATION PROGRAMS WITH POST-SECONDARY SCHOOLS

The Waterford School District currently has articulation agreements with Baker College, Davenport University, Ferris University, Oakland Community College and University of Northwestern Ohio. An articulation program involves a post-secondary institution awarding advance placement credit(s) to students enrolled in specific courses. The post-secondary institution awards credit in the following classes in which the student meets all conditions and requirements. Students should contact their counselor for more information regarding the articulation program.

Baker College	
Accounting I	Advanced Word Processing (prior to 2009-2010)
Advanced Accounting	Desktop Publishing (prior to 2009-2010)
Introduction to Business (prior to 2011-12)	Intro to Computer Aided Drafting & Design (CADD)
Business Law (prior to 2011-12)	Technologies I
Business Management	Intro to Computer Aided Drafting & Design (CADD)
Computer Applications	Technologies II (prior to 2009-10)
Advanced Computer Applications	Engineering Computer Aided Drafting & Design
Applied Computer/Business Skills	Architectural Computer Aided Drafting & Design (CADD)
Sports and Entertainment Marketing	CADD Occupations
Marketing I (Foundations & Functions)	Auto Tech Training I
Programming II	Responding to Emergencies
Advanced Programming	Medical Language for Health Care Workers
Webmasters	Careers with Children
Advanced Networking	
Word Processing (prior to 2009-2010)	

ARTICULATION PROGRAMS WITH POST-SECONDARY SCHOOLS

<p><u>Davenport University</u></p> <p>CTE: Accounting I Advanced Accounting Introduction to Business (prior to 2011-12) Business Law (prior to 2011-12) Business Management Computer Applications Advanced Computer Applications Applied Computer/Business Skills Sports and Entertainment Marketing Marketing I (Foundations & Functions) Marketing II (Marketing Management) Programming II Advanced Programming</p>	<p>Webmasters Networking Aeronautics I Aeronautics II Responding to Emergencies Medical First Responder Health Care Careers Medical Language for Health Care Workers Career Connections Cosmetology</p> <p>Non-CTE: Journalism Yearbook</p>
<p><u>Ferris State University:</u></p> <p>Intro to Computer Aided Drafting & Design Engineering Computer Aided Drafting & Design Architectural Computer Aided Drafting & Design CADD Occupations Auto Technology Training classes</p>	<p>Responding to Emergencies Medical First Responder Health Care Careers Medical Language for Health Care Workers Career Connections</p>
<p><u>Oakland Community College:</u></p> <p>Business Management Computer Applications Advanced Computer Applications Applied Computer/Business Skills Webmasters Advanced Networking Word Processing (prior to 2009-2010) Advanced Word Processing (prior to 2009-2010) Intro to Computer Aided Drafting & Design (CADD) Technologies I Intro to Computer Aided Drafting & Design (CADD) Technologies II (prior to 2009-10)</p>	<p>Engineering Computer Aided Drafting & Design (CADD) Architectural Computer Aided Drafting & Design (CADD) CADD Occupations Advanced Industrial Production Technology Medical First Responder Medical Language for Health Care Workers Parenting/Child Development Careers with Children</p>
<p><u>University of Northwestern Ohio:</u></p> <p>Automotive Technician Training II – Brake Systems Automotive Technician Training II – Suspension Systems Auto III – Automotive Electricity, Engine Performance</p>	

WORK-BASED LEARNING OPPORTUNITIES

Work-Based Learning programs are planned programs of job training and experiences that utilize business and industrial sites for training as part of the school educational program. These programs use experience in successful work settings to achieve desired outcomes and are organized so that students acquire attitudes, skills and knowledge for work, a career, and other life roles. The programs include capstone experience (co-op), internships and work experiences.

Capstone Experience- (Formerly known as Co-op) Full Year - 1 or 2 credits

Capstone placements are available in business, health, child care, marketing and technology education. Capstone links the school's academic and occupational course of study with supervised on the job training. The experiences are relevant to the student's identified career goal and lead to the award of a skill certificate. Capstone students are released from school one or two hours per day for their paid job for which they must work a minimum of 10 hours per week. All jobs must be approved by the capstone coordinator prior to admittance to the program. Students must have permission from the Work-Based (capstone) Coordinator before changing or quitting jobs. Students must have daily transportation to and from Capstone placement.

Prerequisite: 16 years old, passed at least one semester of a related course, signature of Work-Based Learning (capstone) Coordinator, approved application, and taking a related class during the capstone experience.

Grades: 11, 12

Internship Semester - 1/2 credit

Students will be placed in business and/or professional positions and gain instruction in general workplace competencies connecting a student's career goal as identified by the EDP to work experience. Internships will be arranged in occupational areas that have traditionally been difficult to locate for capstone experience (co-op) placement. Class may be repeated once for a total of 1 credit.

Prerequisite: 16 years old and signature of Work-Based Learning Coordinator

Grades: 11, 12

0267 Work Experience Full Year - 1/2 credit

Work Experience provides credit for students who will be working during the school year. Students must complete two semesters of successful Work Experience to receive credit. Students need not take a related class or instruction. Students will not be released early from school, must have a work permit and adhere to all labor laws. Hours for school and work combined shall not exceed 48 hours per week. Students must work a minimum of 5 hours per week. May be repeated once for a total of one credit.

Prerequisite: An identified worksite with work permit on file and signature of Work-Based Learning Coordinator

Grades: 10, 11, 12

ARTS & COMMUNICATION: ART & TECHNOLOGY

0108 Art Foundation (AC, BMMT, E/M&IT, HSci, HSer, NR&A) Semester - 1/2 credit

This course would be good for the student who wants to discover what art is all about. Students will develop techniques in various two dimensional and three dimensional media while exploring art history, criticism and production. Students will also expand their study of the elements and principles of design. This is a beginning level course. Open to all grade levels.

Grades: 9, 10, 11, 12

PAVA Credit

This class replaces Introduction to Art and Design 2D/3D. Any student who has previously taken either Introduction to Art or Design 2D/3D would be able to use those as a prerequisite for Computer Art and/or Commercial Art.

0106 Ceramics I (AC, E/M&IT) Semester - 1/2 credit

Primitive to modern pottery will be produced in clay. Students will form clay into functional and decorative pottery. Surface designs on clay in stain and glaze will be explored. Evaluation is based on personal growth and applied skills.

Grades: 9, 10, 11, 12

PAVA Credit

0107 Ceramics II (AC, E/M&IT) Semester - 1/2 credit

Students will create clay sculpture and/or pottery. Glaze and non-glaze surface decoration techniques will be explored. Evaluation is based on personal growth and applied skills.

Prerequisite: *Ceramics I*

Grades: 10, 11, 12

PAVA Credit

0111 Drawing I (AC, E/M&IT) Semester - 1/2 credit

This course is for the student who enjoys drawing. Course work will include the study of basic drawing techniques with a focus on the study of shading, perspective and line. Drawing still-life objects is emphasized. Evaluation is based on individual progress and skill. This is the foundation class for additional art courses that teach students how to draw what they see.

Grades: 9, 10, 11, 12

PAVA Credit

0112 Drawing II (AC, E/M&IT) Semester - 1/2 credit

This course allows the student to study in-depth drawing techniques. The course emphasizes the study of the human face and portraiture. Mixed media art materials are used to develop work suitable for art scholarship portfolio competitions. It is also recommended for those students who enjoy drawing people.

Prerequisite: *Drawing I*

Grades: 9, 10, 11, 12

PAVA Credit

0114 Drawing III (AC, E/M&IT)

Semester - 1/2 credit

This course allows the student to further refine their skills in all drawing techniques with emphasis on the study of the human figure. The imaginative use of mixed media art materials is encouraged to develop large and small scale work. This is for the student who enjoys drawing. It is also recommended for those who are pursuing entrance to an art college.

Prerequisite: *Drawing I, Drawing II*

Grades: 10, 11, 12

PAVA Credit

0121 Painting I (AC)

Semester - 1/2 credit

This course provides experiences with a variety of painting techniques and media, including watercolor, acrylics, or oils. Subjects could include portraiture, still-life, or abstract painting. Development of creativity and individual expression is stressed. Evaluation is based on individual progress and skill. Work produced would be suitable for a college entrance portfolio.

Prerequisite: *Drawing I*

Grades: 9, 10, 11, 12

PAVA Credit

0122 Painting II (AC)

Semester - 1/2 credit

This course provides students with the opportunity to further develop their painting skills. Oil painting medium is the focus of this class with an emphasis on composition, color, and technique. This is for the student who enjoys painting. It is also recommended for students who are interested in art related fields.

Prerequisite: *Drawing I, Painting I*

Grades: 10, 11, 12

PAVA Credit

0131 Commercial Art I (AC, E/M&IT)

Semester - 1/2 credit

This is an introductory course in the basic commercial art skills that involve hands-on projects which may include designing logos, CD cases, T-shirts, stationery, posters, and other advertising products businesses may need. An introduction to computer graphic software will be given.

Prerequisite: *Drawing I and/or Art Foundation*

Grades: 9, 10, 11, 12

PAVA Credit

0133 Commercial Art II (AC, E/M&IT)

Semester - 1/2 credit

Students will explore advanced computer graphics programs as they relate to the hands-on production of advertising layouts for magazines, newspapers, CD cases, stamp design, menus, packaging, and fashion design. This class further develops computer skills necessary for art careers.

Prerequisite: *Commercial Art I*

Grades: 10, 11, 12

PAVA Credit

0140 Digital Photography (AC, E/M&IT)

Semester - 1/2 credit

This course will be divided into two areas. The first part of the class will concentrate on photo history, procedures, safety and techniques used in successful photography. The second part of the course will be production oriented. Students will shoot a series of photographic assignments using the knowledge learned in the first part of the course utilizing a variety of digital media. Completion of the class is a benefit to those students who wish to go on to the Yearbook staff or the high school newspaper.

Grades: 10, 11, 12
Kettering campus

PAVA Credit

ARTS & COMMUNICATION: ART & TECHNOLOGY

0150 Computer Art (AC, E/M&IT) Semester - 1/2 credit

This course is an introduction to the vast new field of electronically produced digital imaging. Computers will be used to explore and produce computer digital art. Projects may include poster design, drawing, and painting techniques on the computer. Students will create realistic and fantasy art. Recommended for students who are interested in computer art related fields.

Prerequisite: *Drawing I* and/or *Art Foundation*

Grades: 10, 11, 12

PAVA Credit

0151 Jewelry I (AC, E/M&IT) Semester - 1/2 credit

Jewelry techniques such as soldering and riveting are explored. Materials such as copper, brass, bronze, colored aluminum, Plexiglas, Formica, and fiber may be used. Evaluation is based on designing skill, problem solving, and technical skill. This course is for the student who wants to explore a three-dimensional art media and who enjoys soldering and constructing objects using tools and equipment. It is also recommended for students pursuing a career in industrial design, auto design, interior design, and architecture, as well as students interested in portfolio development.

Grades: 10, 11, 12

PAVA Credit

0152 Jewelry II (AC, E/M&IT) Semester - 1/2 credit

Students will be designing a soldered project where the focus will be on forming and shaping metal in a three dimensional fashion. Stone setting techniques will be introduced. Other projects may include the lost wax casting process. Rings, pins and pendants may be cast in precious metals. Students are informed about the possible career potential in the jewelry industry through guest speakers and information on possible apprenticeship programs. Evaluation based on designing skill, personal growth and technical skill.

Prerequisite: *Jewelry I*

Grades: 10, 11, 12

PAVA Credit

0166 Advanced Placement Studio Art and Portfolio (AC, E/M&IT, HSer) Full Year - 1 credit

This class is designed for students who are seriously interested in the practical experience of art and wish in-depth work in drawing, designing, crafts and painting. Development of a portfolio for an art career or college entrance is required.

College credit may be earned through Portfolio submission to the AP College Board, which is not based on a written examination; instead, students submit portfolios for evaluation at the end of the school year. The program offers three portfolios: Drawing, 2-D Design, and 3-D Design. The portfolios share a basic, three-section structure, which requires the student to show a fundamental competence and range of understanding in visual concerns and methods.

Prerequisite: Instructor's recommendation

Grades: 11, 12

PAVA Credit

0527 Journalism (AC, BMMT, E/M&IT, HSer, NR&A) Full Year - 1 credit

The main objective of this course is the publication of both a print and an on-line newspaper. The course is designed for the serious student of writing. Journalism is a hands-on class in which students will use various journalistic techniques to research stories for newspaper production. The newspaper is intended for both student and community reading. Some after-school time may be necessary to meet production deadlines.

Prerequisite: Application required with samples of writing.

Grades: 10, 11, 12
NCAA

PAVA or LA Senior Elective Credit

(AC, BMMT, E/M&IT, HSer, HSci, NR&A)

0565 Theatre Arts I – Introduction to Theatre **Semester - 1/2 credit**

This course is designed as an introductory course, covering the varied components of theatre. Students who take this class have an interest in theatre, and wish to explore both the acting and the technical sides of theatre. Students will study the history of theatre, chronological developments and explore potential careers in theatre. Students will also work on basic acting techniques such as voice and movement and improvisational acting. A writing component will have students journaling about their in-class experiences, writing and critiquing outside theatrical productions and completing a research project on theatre history. Successful completion of both Theatre Arts I and II can count for the required Language Arts senior elective credit.

Grades: 9, 10, 11, 12

PAVA or LA Senior Elective Credit

0566 Theatre Arts II – Acting (AC, BMMT, E/M&IT, HSer, HSci, NR&A) **Semester - 1/2 credit**

This course is designed for students who wish to hone their acting skills through a more detailed study of the acting craft. Student will learn how to prepare monologues for auditions, perform one or more regional dialects, compose a detailed character analysis, use movement and vocal techniques in character development, write a short dramatic or comedic play using elements of dramatic structure, use journaling for self-reflection and character study, conduct research on a topic related to course study, and perform 8-10 minute scenes with a partner. Students are required to attend at least two (2) WSD plays over the course of the semester. Successful completion of both Theatre Arts I and II can count for the required Language Arts senior elective credit.

Prerequisite: Successful completion of *Theatre Arts I*

Grades: 9, 10, 11, 12

PAVA or LA Senior Elective Credit

(AC, BMMT, E/M&IT, HSer, HSci, NR&A)

0567 Theatre Arts III – Advanced Acting & Directing **Semester - 1/2 credit**

This course is designed for students who have completed Theatre Arts I and Theatre Arts II. This is an advanced acting and directing class covering acting in period styles, as well as directing fellow students in scene work. Students will learn how to prepare headshots and resumes for practical auditioning purposes. Students will also complete a research project on a topic related to course study. Students will be required to attend at least two (2) WSD plays over the course of the semester. This class will count for the required Language Arts Senior Elective credit only after successfully completing *Theatre Arts I & II*.

Prerequisite: Successful completion of *Theatre I* and *Theatre II*

Grades: 10, 11, 12

PAVA or LA Senior Elective Credit

1652 Yearbook (AC, BMMT, E/M&IT, NR&A) **Full Year - 1 credit**

The main objective of the course is the publication of the yearbook. All students enrolled will be responsible for interviewing, copywriting, proofreading, picture cropping, graphic layout and design, taking 35mm and digital photos, and meeting all deadlines. In addition, students will be responsible for financing the book through advertising sales, book sales, and a variety of other fundraising activities. Students are also required to spend some time after school on production activities, especially at a deadline.

The opportunity to develop leadership skills will be another aspect for the student to consider. Interested students may assume positions as editors or managers under the supervision of a faculty advisor. This class serves as elective credit.

Prerequisite: Application and teacher recommendation is required.

Grades: 10, 11, 12

PAVA or LA Senior Elective Credit

ARTS & COMMUNICATION: ART & TECHNOLOGY

0171 Introduction to Technical Theatre (AC, E/M&IT) Semester - 1/2 credit

This course will provide an overview of all the technical aspects of theatrical production including scenery construction, stage lighting, sound, props, and costumes as well as introduce the design process. The students enrolled in this course will participate in the mounting of the theatrical productions presented during the semester of this course, and will be expected to participate in after-school work crews and rehearsals.

Grades: 10, 11, 12

PAVA or CTE Credit

0172 Technical Theatrical Production (AC, E/M&IT) Semester - 1/2 credit

This course will expand upon basic principles covered in Introduction to Technical Theatre. In-depth coverage of safe scenery construction practices, basic electrical principles, scenic rigging, interpreting drawings, sound and stage properties. The students enrolled in this course will participate in the mounting of the theatrical productions presented during the semester of this course, and will be expected to participate in after-school work crews and rehearsals.

Prerequisite: Successful completion of *Introduction to Technical Theatre*

Grades: 10, 11, 12

PAVA or CTE Credit

0173 Scenic, Lighting, and Costume Design (AC, E/M&IT) Semester - 1/2 credit

This course will provide students with the fundamentals of scenic and lighting design. The students will be exposed to script analysis and explore the collaborative process required for successful designs. Students will demonstrate design skills by participating in design competitions through the International Thespian Society and USITT.

Prerequisite: Successful completion of *Introduction to Technical Theatre* and concurrent enrollment in *Technical Theatrical Production*.

Grades: 10, 11, 12

PAVA or CTE Credit

0174 WKHS-TV Broadcast News (AC, BMMT, HSer, E/M&IT) Full Year - 1 credit

The main objective of the course is the production of a weekly news magazine show. It will be a hands-on course in which students will use various journalistic techniques in broadcast news. All students will be responsible for interviewing, writing, editing, appearing on camera, participating in the technical production of the broadcast, fundraising for the program and meeting all deadlines. In addition, students will be responsible for selecting and producing stories about newsworthy events around the school and the community. Students are also required to spend some time outside of regular class time on production related activities.

The opportunity to develop leadership skills will be another aspect for the student to consider. Interested students may assume positions such as Producers or Directors under the supervision of a faculty member.

Prerequisite: Application and teacher recommendation is required

Grades: 10, 11, 12
Kettering Campus

PAVA Credit

0175 The Art of Film (AC, BMMT, HSer, E/M&IT) Full Year - 1 credit

This year-long class is to be taken in conjunction with The Craft of Film, thus making a two-hour block.

Students will study the history of filmmaking, examining artistic choices involved in the making of a movie. These will include shot composition, genres, the vocabulary of film, expression of directors' vision and acting styles.

Grades: 10, 11, 12

PAVA Credit

0176 The Craft of Film (AC, BMMT, HSer, E/M&IT)

Full Year - 1 credit

This year-long class is to be taken in conjunction with The Art of Film, thus making a two-hour block.

Students will study the below-the-line aspects of filmmaking, examining the production process of crafting a movie from storyboard to final production. This process includes the study of various departments behind the scenes, including script preparation, casting, the art department, the electrical department, finance and marketing of the finished product.

Grades: 10, 11, 12

PAVA Credit

ARTS & COMMUNICATION:
MUSIC

1104 Beginning Instrumental Music (AC, BMMT, E/M&IT, HSer, HSci, NR&A)

Semester - 1/2 credit

A course designed to offer students an opportunity to study and learn to play a wind or brass instrument. Students who already play an instrument but wish to learn another instrument could take this course. Once a student completes this course, they could enroll in the present instrumental program or elect to continue in private study. Guitar or any other **non-wind** instruments will not be offered.

Grades: 9, 10, 11, 12

PAVA Credit

1108 Piano Keyboard I (AC, BMMT, HSer, HSci)

Semester - 1/2 credit

This course is a piano keyboard laboratory providing a basic understanding of piano playing technique, music reading, harmony, theory and performance. It is recommended that students have a practice keyboard at home. No prior knowledge of music or keyboard is necessary. Keyboard will be provided at school in the lab. Class size is limited to the lab size of 16.

Grades: 9, 10, 11, 12

PAVA Credit

1109 Piano Keyboard II (AC, BMMT, HSer, HSci)

Semester - 1/2 credit

This course is a group keyboard laboratory class, which continues study from Piano Keyboard I class. Course content will include playing scales and arpeggios, sight reading, chording techniques, theory, duet and solo performing. Class size limited to the lab size of 16.

Prerequisite: Prior knowledge from *Piano Keyboard I* class or previous piano keyboard study and permission of the instructor.

Grades: 9, 10, 11, 12

PAVA Credit

1128 Advanced Placement Music Theory (AC, HSer)

Full Year - 1 credit

This course is designed to prepare students for the Advanced Placement Test in Music Theory and for preliminary college/university entrance exams in music theory and aural perception. Topics covered include: melodic and harmonic dictation, four-part chorale writing and analysis, advanced aural perception, sight-singing, melody harmonization, form analysis, arranging, transcribing, orchestrating, elementary composition, error detection, modes and realization of figured bass or Roman numeral chord progressions. The ultimate goal of the AP Music Theory course is to develop a student's ability to recognize, understand and describe the basic materials and processes of music that are heard or presented in a score.

Prerequisite: Permission of instructor and successful completion of one semester of *Piano Keyboard II* and/or play a wind, string or percussion instrument.

Grades: 10, 11, 12

PAVA Credit

ARTS & COMMUNICATION: MUSIC

Semester - 1/2 credit
Full Year - 1 credit

1135 Harmonia (AC, BMMT, E/M&IT, HSci, HSer, NR&A)

Harmonia is a select ensemble made up of women from 9 – 12 grades. Emphasis will be on vocal skill and technique, note reading and musical development. Part singing materials will be emphasized. Performances outside the daily class schedule are required.

Prerequisite: Demonstrated ability and audition with choral teacher or recommendation from previous choral director.

Grades: 9, 10, 11, 12

PAVA Credit

Semester - 1/2 credit
Full Year - 1 credit

1140 Kettering/Mott Chorus (AC, BMMT, E/M&IT, HSci, HSer, NR&A)

Kettering or Mott Chorus is the Underclassmen Concert Choir. This choir will focus on vocal skills, note reading and general musical development. Proper breath support, tone and part singing will be emphasized. Performances outside the daily class schedule are required.

Prerequisite: Demonstrated ability and audition with choral teacher or recommendation from previous choir director

Grades: 9, 10, 11, 12

PAVA Credit

(AC, BMMT, E/M&IT, HSci, HSer, NR&A)

Semester - 1/2 credit
Full Year - 1 credit

1113 Chamber Singers (Madrigal Ensemble)

An advanced chorus using two, three, and four-part music materials for students with previous concert choir experience. Sight singing and vocal technique will be stressed. Performances outside the daily class schedule are required.

Prerequisite: Previous concert choir experience or membership in other music classes and teacher recommendation and/or audition

Grades: 10, 11, 12 (Ninth grade only by audition with teacher)

PAVA Credit

1125 Study of Jazz (AC, HSci)

Full Year - 1 credit

This music course will address the student's ability to improvise in a jazz context on their primary instrument by improving their understanding of jazz and by helping them develop a personal concept and style. This will be accomplished by working on three different aspects of music: individual technique, jazz history and concepts, and music theory and song mechanics. Approximately 4 to 6 hours of individual practice time per week will be expected from each student. All instruments accepted.

Prerequisite: Experience on your principal instrument and audition with director

Grades: 10, 11, 12 (possible exceptions for 9th grade)

PAVA Credit

(AC, BMMT, E/M&IT, HSci, HSer, NR&A)

1126 History of American Pop/Rock Music

Semester - 1/2 credit

This course will study styles of popular music related to the historical development of music in America. The focus of the course will concentrate on the music, artists, historical background and development of the styles of rock music, jazz and American musical theater.

This is an academic music class, which does not involve musical performance, and prior knowledge of musical styles is not necessary.

Grades: 9, 10, 11, 12

PAVA Credit

1129 Introduction to Music Technology I (AC, BMMT, HSer, E/M&IT)

Semester - 1/2 credit

This course is open to anyone who has an interest in Music Technology. This will fulfill requirements for Performing and Visual Arts credits required in the high school curriculum. The Introduction to Music Technology I class is an entry-level look at the study of music technology and music fundamentals. Students do not need previous knowledge of music or use of computer music software. The course will feature current developments including MIDI keyboards and music software.

Grades: 9, 10, 11, 12

PAVA Credit

Kettering Campus

1130 Introduction to Music Technology II (AC, BMMT, HSer, E/M&IT)

Semester - 1/2 credit

This course is a continuation of Introduction to Music Technology I and is open to any student who has completed and passed that course. In the second semester of study, more emphasis will be brought to music reading skills and students will refine their abilities at creating music arrangements, transcriptions and compositions.

Prerequisite: Introduction to *Music Technology I*

Grades: 9, 10, 11, 12

PAVA Credit

Kettering Campus

NOTE: Each member of all band ensembles is expected to practice the music individually in order to be prepared for performances. All students who are enrolled in any Concert Band are strongly encouraged (but not required) to be a part of the marching band. In addition to concerts and Festival, band members take an annual spring trip. Attendance at dress rehearsals and performances outside of class are mandatory for students to receive a passing grade. All students in marching band are required to enroll in a band class.

1150 Concert Band I (AC, BMMT, E/M&IT, HSci, HSer, NR&A)

Full Year - 1 credit

Concert Band I is an advanced-level ensemble that will study and perform a higher level of literature from the wind band repertory. Students who are selected for this group must be committed to practice and prepare music that will be more challenging than the music selected in *Concert Band II* and *Concert Band III*. Enrollment in this band is determined by audition and is at the discretion of the director. In addition to concert and festival performances, students in this group will study intermediate music theory and ear training.

Prerequisite: Audition with band director

Grades: 9, 10, 11, 12

PAVA Credit

1151 Concert Band II (AC, BMMT, E/M&IT, HSci, HSer, NR&A)

Full Year - 1 credit

Concert Band II is an intermediate ensemble that is comprised mainly of students in grades ten through twelve. In addition to concert and festival performances, students in this group will continue to address individual instrumental technique, full ensemble abilities, and general musicianship. This will occur via a higher level of difficulty in the selected music. Students in this course will continue to study basic music theory and will begin to study ear training.

Prerequisite: One semester participation in *Concert Band III*

Grades: 9, 10, 11, 12

PAVA Credit

ARTS & COMMUNICATION: MUSIC

1152 Concert Band III (AC, BMMT, E/M&IT, HSci, HSer, NR&A) Full Year - 1 credit

This band is intended primarily for ninth graders but may include students in higher grades. In addition to concert and festival performances, students in this group will continue to build and improve individual and group musical skills begun in middle school, including: technique, musicianship, intonation, balance and blend, sight reading, scales and rudiments, etc. Students will also be given some training in basic music theory. Ninth grade students interested in participating in the high school marching band are required to enroll in this class.

Prerequisite: Previous middle school band experience

Grades: 9, 10, 11, 12

PAVA Credit

1170 Jazz Band I (AC, BMMT, E/M&IT, HSci, HSer, NR&A) Full Year - 1 credit

Jazz Band I is a course designed to teach students improved musicianship through performance in a jazz context. This group is for students previously enrolled in *Jazz Band II* with a good grasp of the jazz style and performing in a jazz band. The group is open by audition only and is limited to a traditional big band instrumentation (2 alto saxophones, 2 tenor saxophones, 1 baritone saxophone, 4 trumpets, 4 trombones, piano, bass, drums, auxiliary percussion, and guitar). Students must have significant ability on the instrument to be a member of this ensemble.

Prerequisite: Audition with the band director; prior *Jazz Band II* enrollment; students in this class must also be enrolled in either *Concert Band I, II, or III* (exceptions may be made for students who play non-band instruments such as guitar and piano).

PAVA Credit

1171 Jazz Band II (AC, BMMT, E/M&IT, HSci, HSer, NR&A) Full Year - 1 credit

This ensemble is designed to introduce students to the jazz style of music performance and to facilitate improved musical skills. The group will explore jazz from different time periods and will perform music from many big band composers. This jazz band is designed for all students, regardless of any previous jazz experience. The group will not be limited to a strict instrumentation, but a traditional big band set-up will be the goal (2 alto saxophones, 2 tenor saxophones, 1 baritone saxophone, 4 trumpets, 4 trombones, piano, bass, drums, auxiliary percussion, and guitar).

Prerequisite: Audition with the band director; students in this class must also be enrolled in one of the Orchestras or Concert Bands (exceptions may be made for students who play non-band instruments such as guitar and piano).

PAVA Credit

1186 Philharmonic Orchestra (AC, BMMT, E/M&IT, HSci, HSer, NR&A) Full Year - 1 credit

This ensemble consists of students who have had previous string experience. Instrumental technique and group musicianship skills will be stressed. Audition or recommendation of the instructor is required. Some performances and rehearsals outside daily class schedules are required.

This class fulfills the requirement of a primary ensemble for *Jazz Band II* and *Contemporary String Ensemble*.

Grades: 9, 10, 11, 12

PAVA Credit

1187 Symphony Orchestra (AC, BMMT, E/M&IT, HSci, HSer, NR&A) Full Year - 1 credit

The symphony orchestra focuses on music literature for the symphony ensemble, which includes strings, winds, and percussion instruments. Audition or recommendation of the instructor is required. Several performances and rehearsals outside of daily class schedules are required.

This class fulfills the requirement of a primary ensemble for *Jazz Band II* and *Contemporary String Ensemble*.

Grades: 9, 10, 11, 12

PAVA Credit

1188 Chamber Orchestra (AC, BMMT, E/M&IT, HSci, HSer, NR&A) Full Year - 1 credit

The Chamber Orchestra focuses on music literature written for advanced string ensembles and small groups of mixed instruments. This orchestra is for serious string players with a high level of commitment to the group. Members of this group will be expected to perform with the Concert and/or Symphony Orchestras. Audition or recommendation of the instructor is required. Numerous performances and rehearsals outside of daily class schedules are required.

This class fulfills the requirement of a primary ensemble for *Jazz Band II* and *Contemporary String Ensemble*.

Grades: 9, 10, 11, 12

PAVA Credit

BUSINESS, MANAGEMENT, MARKETING & TECHNOLOGY:
FINANCE

0221 Accounting I (AC, BMMT, HSci, HSer) Full Year - 1 credit

This course is highly recommended for students who have an interest in our global economy, plan on majoring in business at the college level, or are thinking about owning their own company in the future. It is important to note that business majors on the college level are required to take accounting. This class also serves as a solid foundation for employment in many office jobs. This year-long course helps students develop the standard accounting skills of journaling, posting, financial reporting and payroll accounting. It also introduces students to the operational fundamentals of entrepreneurship and business ownership. This course meets the eligibility criteria toward the fourth credit in mathematics.

Successful completion of this course may qualify students for college credit through articulation programs with post-secondary schools. See page 11 for details.

Grades: 10, 11, 12

CTE or Math Credit

0222 Advanced Accounting (AC, BMMT, HSci, HSer) Semester - 1/2 credit

This advanced course is designed for students wishing to further their knowledge of accounting for the purpose of better preparing for college business programs or opening their own business, and/or to become an accounting clerk or assistant upon graduation from high school. Topics include cost accounting, inventory, uncollectibles and corporate accounting. This course meets the eligibility criteria toward the fourth credit in mathematics.

Successful completion of this course may qualify students for college credit through articulation programs with post-secondary schools. See page 11 for details.

Prerequisite: Successful completion of *Accounting I*

Grades: 11, 12

CTE or Math Credit

BUSINESS, MANAGEMENT, MARKETING & TECHNOLOGY:
BUSINESS, MANAGEMENT & ADMINISTRATION

0234 Building Wealth (BMMT, HSci, HSer) Semester - 1/2 credit

Learning how saving and investing money while you are young can lead to financial wealth. Building Wealth focuses on direct investment in the stock market along with a broad discussion of investment opportunities such as real estate and bonds. Students will come away from the course with enough basic investment knowledge to understand the need for investments, the value of investing regularly and for the long run, and the importance of beginning to invest now. Ethical and legal issues will also be addressed as they apply to building your wealth. Students will create and track a "mock" stock portfolio and have the opportunity to compete in the Stock Market Game. This course meets the eligibility criteria toward the fourth credit in mathematics.

Grades: 9, 10, 11, 12

CTE or Math Credit

BUSINESS, MANAGEMENT, MARKETING & TECHNOLOGY:

BUSINESS, MANAGEMENT & ADMINISTRATION

0233 Business Management (BMMT, HSer) Semester - 1/2 credit

This business course concentrates on managerial and entrepreneurial skills used in business. It introduces the principles of business management and will assist the student who will eventually operate, own or manage a business enterprise. Management provides a critical understanding of how business organizations work and are managed—their goals, strategies, structures, technologies, environments and the motivations and interests of people involved. In addition, students will have the opportunity to participate in BPA and/or DECA clubs. Successful completion of this course may qualify students for college credit through articulation programs with postsecondary schools. See page 11 for details.

Grades: 10, 11, 12

CTE Credit

1001 Computer Applications (AC, BMMT, E/M&IT, HSci, HSer, NR&A) Semester - 1/2 credit

Students will learn about computers, their use, and their impact on society. Students will use the Microsoft Office program for applications in word processing, spreadsheets, and presentations. Other topics covered may include email, accessing and using the Internet, and using a scanner and/or digital camera to capture images to be used in a project or multimedia presentation. Grades will be based on completion of worksheets, computer assignments, projects, and tests.

Successful completion of this course may qualify students for college credit through articulation programs with post-secondary schools. See page 11 for details.

Grades: 9, 10, 11, 12

CTE Credit

1004 Advanced Computer Applications (AC, BMMT, E/M&IT, HSer, HSci, NR&A) Semester - 1/2 credit

This class is a continuing look at computer applications for the student who wishes to learn more advanced uses of the computer. The Microsoft Office program will be used for applications in databases, word processing, spreadsheets and multimedia presentations. Students will learn how to exchange and combine information from the various Office applications while preparing a variety of documents. The Internet, digital cameras and scanners will be used during the development of multimedia presentations and projects.

Successful completion of this course may qualify students for college credit through articulation programs with post-secondary schools. See page 11 for details.

Prerequisite: Successful completion of *Computer Applications*

Grades: 9, 10, 11, 12

CTE Credit

0251 Business Capstone Experience (Co-op) Full Year - 1 credit

0253 Business Capstone Experience (Co-op) Full Year - 2 credits

0268 Business Internship Semester - 1/2 credit

See Work-Based Learning.

(AC, BMMT, E/M&IT, HSci, HSer, NR&A)

0276 Applied Computer/Business Skills Semester - 1/2 credit

A variety of software programs are used to introduce students to the basics in document processing, as well as strengthening their speed, accuracy, and techniques mastery. Major emphasis is placed on the proper formatting of personal and business correspondence, reports, and tables. Woven throughout the course are activities related to employability skills, language/writing skills, and proofreading. Students will also do further exploration into Career Pathways. Authentic application is provided through the completion of a simulation at the end of the semester. Students enrolled will receive certificates documenting levels of proficiency in areas addressed in this class. Course is part of the Tech Prep Program.

Successful completion of this course may qualify students for college credit through articulation programs with post-secondary schools. See page 11 for details.

Grades: 9, 10, 11, 12

CTE Credit

0267 Work Experience (BMMT) Full Year - 1/2 credit

See Work-Based Learning.

BUSINESS, MANAGEMENT, MARKETING & TECHNOLOGY: MARKETING

0277 Sports and Entertainment Marketing (AC, BMMT, HSer) Full Year - 1 credit

This course is designed to introduce students to the growing service industry of Sports and Entertainment. Real life examples and problems are presented in the areas of marketing foundations, economics, selling, promotion, channel management and career development. Students will produce sponsorship and marketing plans for actual sports and entertainment events. These topics are reinforced through hands-on experiences in either Waterford Mott's Shipyard or Kettering's Captains' Corner. Students are also encouraged to participate in DECA (a high school association of marketing students) and a fundraising sales project to reinforce marketing skills. *Sports and Entertainment Marketing* prepares students to study business at the college level, as all business degree programs require one or more courses in marketing. It also prepares students for a wide variety of entry level marketing jobs. This class should not be taken in conjunction with *Marketing I*.

Successful completion of this course may qualify students for college credit through articulation programs with post-secondary schools. See page 11 for details.

Grades: 10, 11, 12

CTE Credit

0271 Marketing I (Foundations and Functions) (AC, BMMT, HSci, HSer) Full Year - 1 credit

Marketing I students develop an understanding of the marketing concept as it applies to business. Real life examples and problems are presented in the areas of: Marketing foundations, economics, selling, promotion, channel management, and career development. These topics are reinforced through hands-on experiences in either Waterford Mott's Shipyard or Kettering's Captains' Corner. Students are also encouraged to participate in DECA (a high school association of marketing students) and a fundraising sales project to reinforce marketing skills. *Marketing I* prepares students to study business at the college level, as all business degree programs require one or more courses in marketing. It also prepares students for a wide variety of entry level marketing jobs. This class should not be taken in conjunction with *Sports and Entertainment Marketing*.

Successful completion of this course may qualify students for college credit through articulation programs with post-secondary schools. See page 11 for details.

Grades: 9, 10, 11, 12

CTE Credit

0272 Marketing II (Marketing Management) (AC, BMMT, HSci, HSer) Full Year - 1 credit

The *Marketing II* curriculum expands on the business concepts presented in *Marketing I* or *Sports and Entertainment Marketing* and includes practical application through the operation of Mott's Shipyard or Kettering's Captains' Corner. Areas of work and management include: customer relations, marketing information management, human resource management, product service planning, financial analysis and entrepreneurship. Students are also encouraged to participate in DECA (a high school association of marketing students) and a fundraising sales project to reinforce marketing skills. *Marketing II* prepares students to study business at the college level as all business degree programs require one or more courses in marketing. It also prepares students for a wide variety of entry level marketing jobs.

Prerequisite: Successful completion of *Marketing I* or *Sports and Entertainment Marketing*

Grades: 10, 11, 12

CTE Credit

0281 Marketing Capstone Experience (Co-op) (HSer) Full Year - 1 credit

0283 Marketing Capstone Experience (Co-op) Full Year - 2 credits

0285 Marketing Internship Semester - 1/2 credit

See Work-Based Learning.

BUSINESS, MANAGEMENT, MARKETING & TECHNOLOGY: INFORMATION TECHNOLOGY

1010 Programming I (BMMT, E/M&IT, HSer, NR&A) Semester - 1/2 credit

Students will begin to learn the basics of programming. In this course students will improve their problem solving and logical thinking skills. They will also see some of the capabilities and limitations of the computer. Students will learn to write programs which use variables, make decisions, perform computer arithmetic, and make use of color and graphics. Emphasis will be on structured, top-down design as accepted in the computer industry today. This course meets the eligibility criteria toward the fourth credit in mathematics.

Prerequisite: Successful completion *Algebra 1*

Grades: 9, 10, 11, 12

CTE or Math Credit

1011 Programming II (BMMT, E/M&IT, HSer, NR&A) Semester - 1/2 credit

Students will continue their exploration of a computer programming environment by learning nested loops, arrays, string functions and data files. Emphasis will continue to be on top-down, structured design. This course is recommended for students interested in computer careers. This course meets the eligibility criteria toward the fourth credit in mathematics.

Successful completion of this course may qualify students for college credit through articulation programs with post-secondary schools. See page 11 for details.

Prerequisite: Successful completion of *Programming I*

Grades: 9, 10, 11, 12

CTE or Math Credit

1015 Advanced Programming (BMMT, E/M&IT, HSer, NR&A) Semester - 1/2 credit

For the student interested in a career in computer science or related fields, this class may be elected for up to three semesters (1½ credits). Students will begin by learning a Windows-based programming language in a whole group situation. In the following semesters students will study advanced programming concepts in preparation for the advanced placement test. Emphasis will be on individualized learning in which the student and teacher create a plan for learning and goals based on the student's ability and previous experience. This course meets the eligibility criteria toward the fourth credit in mathematics.

Successful completion of this course may qualify students for college credit through articulation programs with post-secondary schools. See page 11 for details.

Prerequisite: Successful completion of *Programming I* or approval of instructor

Grades: 10, 11, 12

CTE or Math Credit

1016 Webmasters I (BMMT, E/M&IT, HSer) Semester - 1/2 credit

Students in this course will learn the basics of designing professional looking web pages using HTML (Hypertext Markup Language), XHTML (Extensible Hyper Text Markup Language), and CSS (Cascading Style Sheets). Students will also learn Internet standards, web browser functions, and the use of multimedia on the web. A variety of technologies will be available to enhance the pages created for school projects and/or members of the community. Completion of both Webmaster I and II meets the eligibility criteria toward .5 of the fourth credit in mathematics.

Successful completion of this course may qualify students for college credit through articulation programs with postsecondary schools. See page 11 for details.

Grades: 9 (with completion of algebra with "B" or better), 10, 11, 12

CTE or Math Credit

BUSINESS, MANAGEMENT, MARKETING & TECHNOLOGY: INFORMATION TECHNOLOGY

1017 Webmasters II (BMMT, E/M&IT, HSer)

Semester - 1/2 credit

Students in this course will continue to explore web design using HTML, XHTML, and CSS. Students will utilize a variety of software to aid and enhance web pages that may include: FrontPage, Dreamweaver, Photoshop, and Flash. Other topics covered in this course will include Web security, search engines, Web 2.0 technologies, and ethical and legal issues. Completion of both Webmaster I and II meets the eligibility criteria toward .5 of the fourth credit in mathematics.

Successful completion of this course may qualify students for college credit through articulation programs with postsecondary schools. See page 11 for details.

Prerequisite: Successful completion of *Webmasters I*

Grades: 9, 10, 11, 12

CTE or Math Credit

1018 Networking (BMMT, E/M&IT)

Semester - 1/2 credit

In this introductory course, students will gain a solid understanding of how networks function so they will have the knowledge and skills to succeed in a career in networking. Hands-on labs will give students a chance to install a network card, configure a wireless router for home network sharing, create Ethernet cable, create a peer-to-peer and client server network, set up a Local Area Network, and research industry certifications. Students will be expected to access outside sources such as the school/community library, the internet, and other information sources. Completion of both Networking and Advanced Networking meets the eligibility criteria toward .5 of the fourth credit in mathematics.

Prerequisite: Successful completion of Algebra I ("C" or better) or instructor approval.

Grades: 10, 11, 12

CTE or Math Credit

1019 Advanced Networking (BMMT, E/M&IT)

Semester - 1/2 credit

Students further their understanding of how networks function so they will have the knowledge and skills to succeed in a career in networking. The content is more specialized and technical, preparing motivated students with the basic understanding and equipment knowledge to pursue an industry-recognized credential. Students gain hands-on experience with a Nortel Networks ARN router and set up user accounts, shared drives and many other server services. Students will be expected to access outside sources such as the school/community library, the internet, and other information sources. Completion of both Networking and Advanced Networking meets the eligibility criteria toward .5 of the fourth credit in mathematics.

Successful completion of this course may qualify students for college credit through articulation programs with post-secondary schools. See page 11 for details.

Prerequisite: Successful completion of *Networking*

Grades: 10, 11, 12

CTE or Math Credit

ENGINEERING/MANUFACTURING & INDUSTRIAL TECHNOLOGY: DRAFTING AND DESIGN

1400 Intro to Computer Aided Drafting & Design (CADD) Technologies (AC, BMMT, E/M&IT, NR&A)

Semester – 1/2 credit

Students will be introduced to the basics of drafting and design techniques as dictated by the Manufacturing, Engineering, Architectural and Construction Industries. Students will be exposed to both Architectural and Engineering basics such as industry standards, lettering, sketching and small hands-on projects related to the software being taught. Students will investigate and report the findings on the particular industry focused upon, such as residential and commercial architectural, mechanical, civil and industrial engineering. This course meets the eligibility criteria toward the fourth credit in mathematics.

Successful completion of this course may qualify students for college credit through articulation programs with post-secondary schools. See page 11 for details.

Grades: 9, 10, 11, 12

CTE or Math Credit

1402 Engineering Computer Aided Drafting & Design (CADD) (E/M&IT, N&A) Full Year - 1 credit

Students will learn basic Engineering standards and codes. Students will demonstrate these basics through short and in-depth 2D and 3D projects. Mechanical, Civil and Industrial projects will be taught to further student's knowledge within the Engineering industry. Due to the depth of study, this course may be repeated for credit. This course meets the eligibility criteria toward the fourth credit in mathematics.

Successful completion of this course may qualify students for college credit through articulation programs with post-secondary schools. See page 11 for details.

Prerequisite: Approval by the instructor

Grades: 10, 11, 12

CTE or Math Credit

1403 Architectural Computer Aided Drafting & Design (CADD) (E/M&IT, NR&A)

Full Year - 1 credit

Students will learn basic Architectural standards and codes. Students will demonstrate these basics through short and in-depth 2D and 3D projects. Residential and Commercial projects will be taught to further student's knowledge within the Architectural industry. Due to the depth of study, this course may be repeated for credit. This course meets the eligibility criteria toward the fourth credit in mathematics.

Successful completion of this course may qualify students for college credit through articulation programs with post-secondary schools. See page 11 for details.

Prerequisite: Approval by the instructor

Grades: 10, 11, 12

CTE or Math Credit

1404 CADD Occupations (E/M&IT, NR&A)

Full Year - 1 or 2 credits*

Students will further their knowledge taught in 1402 and 1403, previously taken, through real world experiences. Students will learn employability skills, by researching a job posting, writing a cover letter, resume, follow-up letter and keeping a portfolio of their personal work. Students will also complete a job and/or college application so that it is familiar when they need to complete one. Students will have the opportunity to go on field trips, job shadowing, compete in competitions (regional/state/national) and possibly experience an internship. Students will learn how to present CADD drawings according to common industry practices. Students will demonstrate what is being taught through various methods such as power point presentations, poster boards, CADD projects and 3D models.

Students will learn how to animate objects for a 3D conceptual model for mock clients. This course meets the eligibility criteria toward the fourth credit in mathematics.

Successful completion of this course may qualify students for college credit through articulation programs with post-secondary schools. See page 11 for details.

*Prerequisite: This course can be a 1 or 2 credit class. Students would attend either one or two blocks throughout the school year and must have approval by the instructor.

Grades: 11, 12

CTE or Math Credit

ENGINEERING/MANUFACTURING & INDUSTRIAL TECHNOLOGY: INDUSTRIAL PRODUCTION TECHNOLOGY

1412 Industrial Production Technology I (BMMT, E/M&IT, HSci) Semester - 1/2 credit

Would you enjoy learning how things are made and have the opportunity to make them yourself? If so, Manufacturing Technology is the class for you. Units of study include product design, materials, manufacturing processes, precision measurement, computerized drawing and machining. You will learn to use a variety of hand tools, portable electric tools, and machines to build individual and group projects. This is a hands-on class where you will be able to showcase your skills and talent in both traditional and computerized manufacturing.

Grades: 9, 10, 11, 12
Mott Campus

CTE Credit

1413 Industrial Production Technology II (BMMT, E/M&IT, HSci) Semester - 1/2 credit

If you enjoyed Manufacturing I and have basic knowledge and skills in both traditional and computerized manufacturing, you are ready for the next level of learning. The focus of this course is on product design, manufacturing processes, material selection, measurement and machining. Emphasis is on advanced skill development, knowledge, and craftsmanship.

Prerequisite: Successful completion of *Industrial Production Technology I*

Grades: 9, 10, 11, 12
Mott Campus

CTE Credit

1414 Advanced Industrial Production Technology (BMMT, E/M&IT, HSci) Full Year - 2 credits

After finishing IPT I and II, you can take this class to further enhance your skills in Industrial Processes. With this course you can expect more time working on projects, team building skills, and engineering experiences. Manufacturing Engineering experiences include process planning and development of new "Green Technology" for use in the real world. This course meets the eligibility criteria toward the fourth credit in mathematics. Successful completion of this course may qualify students for college credit through articulation programs with post-secondary schools. See page 11 for details.

Prerequisite: Successful completion of Industrial Production Technology II

Grades: 10, 11, 12
Mott Campus

CTE or Math Credit

ENGINEERING/MANUFACTURING & INDUSTRIAL TECHNOLOGY: AUTO TECHNOLOGY

1450 Automotive Technician Training I (AC, BMMT, E/M&IT, HSci, HSer) Semester - 1/2 credit

This course is designed to provide a basic understanding of the modern automobile, the systems and how they interact with each other. Auto I includes units in Shop Safety, Automobile Maintenance, Hand Tools, Automotive Measurement and Math, Brake System Fundamentals, Basic Electricity, and Suspension Components. Students will learn theory through lecture, video, text assignments, quizzes and tests, and lab demonstrations with limited lab experience. This course meets the eligibility criteria toward the fourth credit in mathematics.

Grades: 10, 11, 12
Mott Campus

CTE or Math Credit

(AC, BMMT, E/M&IT, HSci, HSer)

1448 Automotive Technician Training II – Brake Systems Semester - 1/2 credit

This course is designed to help students prepare for the State Certification/ASE National Certification exam in Brakes. Students will learn Brake System Theory through lecture, video, textbook assignments, quizzes and tests, and lab demonstrations with documented labs required. This course meets the eligibility criteria toward the fourth credit in mathematics.

Successful completion of this course may qualify students for college credit through articulation programs with post-secondary schools. See page 11 for details.

Prerequisite: *Automotive Technician Training I* and instructor approval

Grades: 10, 11, 12
Mott Campus

CTE or Math Credit

(AC, BMMT, E/M&IT, HSci, HSer)

1449 Automotive Technician Training II – Suspension Systems Semester - 1/2 credit

This course is designed to help students prepare for the State Certification/ASE National Certification exam in Steering and Suspension. Students will learn Steering and Suspension Theory through lecture, video, textbook assignments, quizzes and tests, and lab demonstrations with documented labs required. This course meets the eligibility criteria toward the fourth credit in mathematics.

Successful completion of this course may qualify students for college credit through articulation programs with post-secondary schools. See page 11 for details.

Prerequisite: *Automotive Technician Training I* and instructor approval

Grades: 10, 11, 12
Mott Campus

CTE or Math Credit

(AC, BMMT, E/M&IT, HSci, HSer)

1452 Auto III – Automotive Electricity, Engine Performance Full Year - 2 credits

This course is designed to help students prepare for the State Certification/ASE National Certification in Auto Electrical and Engine Performance. Students will learn Auto Electrical and Engine Performance Theory through lecture, video, textbook assignments, quizzes and tests, and lab demonstrations with documented labs required. This course meets the eligibility criteria toward the fourth credit in mathematics.

Successful completion of this course may qualify students for college credit through articulation programs with post-secondary schools. See page 11 for details.

Prerequisite: *Automotive Technician Training II Brake Systems & Suspension Systems* and instructor approval

Grades: 11, 12
Mott Campus

CTE or Math Credit

1481 Technology Capstone Experience (Co-op) Full Year - 1 credit

1482 Technology Capstone Experience (Co-op) Full Year - 2 credits

1483 Technology Education Internship Semester - 1/2 credit

See Work-Based Learning.

ENGINEERING/MANUFACTURING & INDUSTRIAL TECHNOLOGY: AERONAUTICS/AVIATION

1460 Aeronautics I (BMMT, E/M&IT, HSer, NR&A)

Full Year - 1 credit

This course will provide students with a foundation to prepare them for activities, post-secondary study and careers related to air transportation. Students will participate in career exploration and ground school instruction. This course is aligned to standards defined by the U. S. Transportation Federal Aviation Administration. Students must meet all criteria defined in the program application.

Prerequisite: Application process, limited availability, evidence of a recent (within past 6 months) Federal Aviation Administration physical indicating no medical issues that would prevent a student from full program participation

Grades: 11

CTE Credit

Location: Flight 101 (students must provide their own transportation)

1461 Aeronautics II (BMMT, E/M&IT, HSer, NR&A)

Full Year - 1 credit

This course builds upon the skills addressed in Aeronautics I, with a focus on ground school and flight instruction. U. S. Transportation Federal Aviation Administration standards covered include aircraft performance, navigation, and flight maneuvers.

Prerequisite: Successful completion of Aeronautics I, evidence of a recent (within the past 6 months) Federal Aviation Administration physical indicating no medical issues that would prevent a student from full program participation

Grades: 12

CTE Credit

Location: Flight 101 (students must provide their own transportation)

HEALTH SCIENCES: THERAPEUTIC SERVICES

0405 Responding to Emergencies (E/M&IT, HSci, HSer)

Semester - 1/2 credit

This course covers material from the American Red Cross (ARC), in adult, child and pediatric CPR, foreign body obstruction, Automated External Defibrillation (AED) and First Aid (using mannequins). First aid teaches how to manage illness and injuries in an emergency situation before professionals arrive. This is a one semester class in which the student can earn an ARC certificate in CPR/AED and FA. Skills must be passed at 100% and the final written exam at 80%.

Successful completion of this course may qualify students for college credit through articulation programs with post-secondary schools. See page 11 for details.

Grades: 9, 10, 11, 12
Mott Campus

CTE Credit

HEALTH SCIENCES: THERAPEUTIC SERVICES

0406 Medical First Responder (HSci, HSer)

Semester - 1/2 credit

This course will provide the knowledge and skills necessary in an emergency to help sustain life, reduce pain, and minimize the consequences of injury or sudden illness until more advanced medical help can arrive. The course content and activities will prepare participants to make appropriate decisions about the care to provide in an emergency. This course teaches the skills a first responder needs to act as a crucial link in the Emergency Medical Services (EMS) system. Students will have the opportunity to earn certification from the American Red Cross or the American Heart Association in professional CPR and emergency response.

Successful completion of this course may qualify students for college credit through articulation programs with post-secondary schools. See page 11 for details.

Prerequisite: *Responding to Emergencies* or current CPR card

Grades: 11, 12
Mott Campus

CTE Credit

0410 Health Care Careers (E/M&IT, HSci, HSer)

Full Year - 1 credit

This is a class in which students will use mannequins, training models and other students to learn skills such as: vital signs, height and weight, bed making, personal care, sterile techniques, first aid, basic physical therapy skills, office skills, business and accounting skills and many other health skills. Medical Math and Medical Terminology are incorporated into the Diversified Health Occupations Textbook/Workbook. Students may have to opportunity to participate in off-site health promotion activities. This full year course may prepare the students for the National Health Exam. It is highly recommended that students join HOSA (Health Occupation Students of America).

Successful completion of this course may qualify students for college credit through articulation programs with post-secondary schools. See page 11 for details. This course meets the eligibility criteria toward the fourth credit in mathematics if not used for other credit requirement.

Prerequisite: *Responding to Emergencies*

Grades: 10, 11, 12
Mott Campus

CTE or Math Credit

0412 Medical Language for Health Care Workers (E/M&IT, HSci, HSer)

Full Year - 1 credit

Students planning on pursuing a health care career will benefit from learning the language of medicine before entering the field or going on to college. This full year, one-hour course presents a study of the basic structure of medical terms including prefixes, suffixes, word roots, combining forms, as well as plural and singular endings. Pronouncing, spelling, building and defining medical terms and abbreviations will be emphasized.

Successful completion of this course may qualify students for college credit through articulation programs with post-secondary schools. See page 11 for details.

Grades: 11, 12
Mott Campus

CTE Credit

(E/M&IT, HSci, HSer)

0441 Human Service Occupations Capstone Experience (Co-op) (1 hr) Full Year - 1 credit

0443 Human Service Occupations Capstone Experience (Co-op) (2 hr) Full Year - 2 credits

See Work-Based Learning.

0445 Career Connections (BMMT, E/M&IT, HSci, HSer)

Full Year - 2 credits

This course is designed for students to explore health careers and prepare them for the National Health Exam. This is a full year course. Several weeks will be spent in the classroom preparing for the hospital rotations to various departments at St. Joseph Mercy Oakland, Oakland Physicians Medical Center and Pontiac Osteopathic Hospital. Preparations include 8 (eight) safety modules which must be passed with a minimum of 80% before going to the hospitals. Failure to successfully pass these modules may result in removal from the program. Also failure to follow Hospital Policies and Regulations along with inappropriate behavior could result in removal from the program.

Students will have the opportunity to spend time in many phases of corporate operations, from finance and budget, to security, nursing, pathology, public relations, radiology, surgery, emergency and many more areas. This class has a strong academic foundation with application in a real world setting and is recommended for both college and non-college bound students. Emphasis is placed on oral and written communication and team skills as students develop a professional demeanor.

Admission to the class REQUIRES submission of an application with recommendations from your counselor, a teacher, parents and an interview with the Therapeutic Services Teacher with signature approval. Applications may be obtained from the counseling office. An application and interview is mandatory for acceptance into this program. Purchase of the Career Connections' uniform will be required. Transportation between the high schools and the hospitals will be provided by the school district. In some cases, students may have to provide their own transportation to outside businesses. Students must be 16 years of age for enrollment in this course. It is highly recommended that students join HOSA (Health Occupation Students of America).

Successful completion of this course may qualify students for college credit through articulation programs with post-secondary schools. See page 11 for details. Upon completion of this class, students will earn 1 science credit, 1/2 English credit and 1/2 elective credit. This class may be repeated for credit. This course also meets the eligibility criteria toward the fourth credit in mathematics if not used for science or other credit requirement.

Grades: 11, 12
Mott Campus

CTE, Math or Science Credit

HUMAN SERVICES:
FAMILY AND CONSUMER SCIENCE

0301 Nutrition for You (AC, BMMT, E/M&IT, HSci, HSer)

Semester - 1/2 credit

This course is designed for students who want to become more knowledgeable about the food choices available to them and how these choices can affect their health. Students in this course will analyze their diet, study the role of nutrients and learn how to select and prepare healthy foods.

Grades: 9, 10, 11, 12

CTE Credit

0302 Parenting/Child Development (AC, BMMT, E/M&IT, HSci, HSer)

Semester - 1/2 credit

This course covers the roles of families, tasks of parenthood, and the issues involved in teen pregnancy. Included are factors to consider in parenting, such as cost, birth defects, parenting techniques and emotional maturity levels. Comprehensive coverage of pregnancy and prenatal development is included along with health precautions and risks associated with prenatal development. Preparing for a baby, labor and delivery, and welcoming home a new baby are topics discussed, along with growth and development of children up to age two. **A class requirement is that students will "parent" an infant simulator for 4 days.**

Successful completion of this course may qualify students for college credit through articulation programs with post-secondary schools. See page 11 for details.

Grades: 9, 10, 11, 12

CTE Credit

HUMAN SERVICES: FAMILY AND CONSUMER SCIENCE

0306 Housing and Design (AC, BMMT, E/M&IT)

Semester - 1/2 credit

This class deals with the basic elements and principles of design including: color, balance, scale, proportion, fabric coordination, architecture, selection of housing, floor plans and style of furniture. Planning of rooms include floor covering, window treatments, furniture arrangements and color design while matching the students' tastes with the elements of good design. This is a project based class.

Grades: 9, 10, 11, 12

CTE Credit

0307 Human Relationships (AC, BMMT, E/M&IT, HSci, HSer)

Semester - 1/2 credit

This class provides practical, realistic ways for teens to deal with peers and adults in all types of relationships. Topics include positive communication, handling anger, dealing with stress, and how to be successful at getting along in the real world. Students will see how their own personality, strengths and talents influence their happiness and relationships throughout their lives. Discussions regarding dating, romantic and realistic love, marriage, and how to understand all types of relationships make this class interesting and fun.

Grades: 9, 10, 11, 12

CTE Credit

0308 Single Survival (AC, BMMT, E/M&IT, HSci, HSer)

Semester - 1/2 credit

This course is designed for students who are interested in learning skills necessary for living away from home. This course will include "basics" in finding and applying to colleges, applying for a job, finding and furnishing a place to live, clothing care and repair, car care and insurance, meal planning and food preparation and banking.

Grades: 10, 11, 12

CTE Credit

0305 Personal Financial Management (AC, BMMT, E/M&IT, HSci, HSer)

Semester - 1/2 credit

Will address the real world topics of income, money management, spending and credit, saving and investing, budget design, finance, debt and credit management, insurance and taxes. Students will demonstrate components of a financial planning process that reflect the distinction between needs, wants, values, goals and economic resources. This course will provide a foundational understanding for making informed personal and financial decisions. This course meets the eligibility credit toward the fourth credit in mathematics.

Grades: 11, 12

CTE or Math Credit

The following course was developed through the joint efforts of staff and community members. It has been carefully evaluated and found to be exceptionally worthwhile and informative.

0328 Sexuality Education (AC, BMMT, HSci, HSer)

Semester - 1/2 credit

The issues of sexuality for the upper level high school student are addressed in this valuable and informative class. Decisions, recognizing sexual rights and responsibility, the emotions of relationships and love, how relationships are positive or seeing when they are negative, sex in society and sexual health (birth, sexually transmitted diseases and how to avoid them, birth control, infertility, and reproduction) are discussed. This class addresses the questions students have, helps them to gain skills and accurate knowledge needed in life in a non-threatening and positive atmosphere. Classes will use discussion, video, reading materials and games designed for all students to learn in a wide variety of ways. Parents may choose to have their child rescheduled after reviewing district objectives and class content.

Prerequisite: Parent permission required.

Grades: 11, 12

CTE Credit

HUMAN SERVICES:
CHILD AND CUSTODIAL CARE SERVICES

0401 Careers With Children (HSer) Full Year

This full year course provides occupational preparation for employment in childcare or child related occupations. For anyone considering a career in teaching, social work, children's health care, or psychology, this would be an ideal class. Instruction will cover developmental and behavioral expectations for various age groups, preparation of developmentally appropriate materials and activities, health and safety, facility standards and policies, appropriate toys and environments, professionalism, suitable snacks for children, and effective guidance. Students will participate in an off-site licensed childcare program for infants, toddlers, and preschoolers. Arrangements can also be made for placement with other age groups as well as children with special needs. Taking this class will prepare students for an internship or capstone experience (co-op) placement in the childcare field. This class may be taken for a second year for credit where extensive out-of-classroom experiences will be arranged. Successful completion of this course may qualify students for college credit through articulation programs with post-secondary schools. See page 11 for details.

Prerequisite: Successful completion of the *Parenting/Child Development* course recommended but not required. Students must have complete immunizations, TB test, FIA clearance (State I.D. or driver's license required). An off-site childcare uniform is also required. Incoming 10th grade students must have an approval form signed by *Parenting/Child Development* instructor to enroll in this course.

Grades: 10, 11, 12 CTE Credit

Kettering Campus

Option A – 2 credits: Taken as a two-hour block, students go off-site twice weekly.

Option B – 1 credit: Taken as a one-hour block, students go off-site once a week, utilizing seminar on Tuesday as part of the class.

(HSci, HSer)

0441 Human Service Occupations Capstone Experience (Co-op) (1 hr) Full Year - 1 credit

0443 Human Service Occupations Capstone Experience (Co-op) (2 hr) Full Year - 2 credits

See Work-Based Learning.

HUMAN SERVICES:
COSMETOLOGY

1641 Cosmetology (HSer) 3 Semesters - 6 credits

This course is designed to provide the student with the basic knowledge, principles and practical experience for taking the Michigan State Board of Cosmetology Examination. Interested seniors will attend classes at the high school in the morning, followed by instruction at a private cosmetology school until 1500 hours of instruction have been completed. Successful completion of this course may qualify students for college credit through articulation programs with post-secondary schools. See page 11 for details. Completion of the entire program meets the eligibility criteria toward the fourth credit in mathematics.

Credit is based on hours of attendance. Completion of 1,500 hours prior to graduation is required to earn six credit hours.

Prerequisite: Signature of coordinator

Grade: 12 CTE or Math Credit

1660 Manicuring - (Second Semester Only) (HSer) 1 Semester - 2 credits

Learn the art of applying artificial nails - gel and acrylic. You will receive your own student textbook and kit. During your 450 hours of training you will learn theory and have practical training. The theory will cover sanitation, laws and rules, chemistry, diseases and disorders, techniques, anatomy, physiology and special effects. The practical training will consist of applying artificial nails, nail repairs, regular and hot oil manicures and nail art. These processes will be done on clientele, each other and on artificial hands. Students will attend American College of Beauty Tuesday through Saturday. The completion of this course will prepare students for the State Board examination for certification.

Prerequisite: Signature of Coordinator

Grades: 12 CTE Credit

LANGUAGE ARTS

0552 Language Arts I (AC, BMMT, E/M&IT, HSci, HSer, NR&A) Full Year - 1 credit

Language Arts I is a skill-based course which focuses on grammar, poetry, fiction and non-fiction text analysis, research skills, speech, and writing. Students will use a variety of texts to practice and master skills necessary for future LA courses, the MME exam, and for possible AP coursework. LA I is a full year course and a requirement for all freshmen.

NCAA

0570 Language Arts II (AC, BMMT, E/M&IT, HSci, HSer, NR&A) Full Year - 1 credit

Language Arts II is a skill-based course which focuses on grammar, poetry, fiction and non-fiction text analysis, research skills, speech, and writing. Students will use a variety of American Literature as well as other texts to practice and master skills necessary for future LA courses, for the MME exam, and for possible AP coursework. LA II is a full year course and a requirement for all sophomores.

NCAA

0572 Language Arts Honors II (AC, BMMT, E/M&IT, HSci, HSer, NR&A) Full Year - 1 credit

This course is designed for students who excelled in Language Arts I. Language Arts Honors II students will conduct in-depth analysis of numerous literary classics and will hone their research skills. Additionally, students will move their academic writing from intermediate to advanced levels. This course is recommended for students who wish to take AP Language and/or AP Literature in their junior and senior years.

NCAA

0581 Language Arts III (AC, BMMT, E/M&IT, HSci, HSer, NR&A) Full Year - 1 credit

Language Arts III is a skill-based course which focuses on grammar, poetry, fiction and non-fiction text analysis, research skills, speech, and writing. Students will use a variety of British Literature as well as other texts to practice and master skills necessary for future LA courses, for the MME exam, and for possible AP coursework. LA III is a full year course and a requirement for all juniors.

NCAA

0592 Language Arts IV (AC, BMMT, E/M&IT, HSci, HSer, NR&A) Semester - 1/2 credit

Language Arts IV is a skill-based course which focuses on grammar, poetry, fiction and non-fiction text analysis, research skills, speech, and writing. Students will use a variety of World Literature as well as other texts to prepare them for both college coursework and communicating in a work setting. LA IV is a one semester course and a requirement for all seniors.

(Students will complete the four credit language arts requirement with an elective choice for one semester – ½ credit.)

NCAA

(AC, BMMT, E/M&IT, HSci, HSer, NR&A)

0584 Advanced Placement English Language & Composition III Full Year - 1 credit

Students will study rhetorical devices and modes using classical and contemporary nonfiction. They should have successfully completed LA Honors II or have a strong background in language arts as the course is comparable to freshman composition in college. It is recommended but not required that students take the AP Language & Composition test in the spring of the school year.

NCAA

(AC, BMMT, E/M&IT, HSci, HSer, NR&A)

0596 Advanced Placement English Literature & Composition IV Full Year - 1 credit

Students will study literary classics and research writing techniques. They should have successfully completed AP English Language & Composition or have a strong background in language arts as this course is comparable to freshman English in college. This course is recommended for, but not limited to, students who will take the AP Literature & Composition exam.

NCAA

0511 Writing and Film (AC, BMMT, E/M&IT, HSer, NR&A) Semester - 1/2 credit

In this one semester class, students will learn the history of film making, the terminology of film making, the genres, and the process of film production, as well as study the works of various directors. The course includes a research component.

Grades: 11, 12
NCAA

0521 Reading and Writing (AC, BMMT, E/M&IT, HSer, NR&A) Semester - 1/2 credit

This course is designed for students who want to improve their reading and writing skills so that they are better prepared to communicate effectively at a post-secondary level. Students will write a variety of multiple paragraph papers which are based on the reading of both fiction and non-fiction texts. The course includes a research component.

Grades: 11, 12
NCAA

0522 Humanities (AC, BMMT, E/M&IT, HSer, NR&A) Semester - 1/2 credit

The Humanities is a study of the arts: literature, philosophy, music and the visual arts. Students will read classical literature and write frequent essays in response to their readings. Students will be responsible for doing research on an artist or classical composer, which will be presented to the class. This course is designed for the college bound student.

Grade: 11, 12
NCAA

0523 Creative Writing (AC, BMMT, E/M&IT, HSer, NR&A) Semester - 1/2 credit

This course is designed for the student who is interested in creating his/her own portfolio of poetry, prose, and drama. In addition to experimenting with various forms of poetry and narrative techniques, students will learn how to submit their works for publication by revising in small and large peer groups. Work done in and for the class will be shared with the entire class. The course includes a research component. This class is for those students who are serious about writing complex, thought-provoking poems, plays, and short stories.

Grade: 11, 12
NCAA

0526 College Prep Composition (AC, BMMT, E/M&IT, HSer, NR&A) Semester - 1/2 credit

This course is designed for college-bound seniors who have a mastery of basic writing skills and want the experience of completing the kinds of assignments that will be given at the college level. Students will write a variety of literary and expository papers as well as a research paper. In addition, the class will cover note taking techniques, vocabulary building, logical thinking, non-fiction reading, research and presentation skills.

Grade: 11, 12
NCAA

LANGUAGE ARTS

0527 Journalism (AC, BMMT, E/M&IT, HSer, NR&A)

Full Year - 1 credit

The main objective of this course is the publication of both a print and an on-line newspaper. The course is designed for the serious student of writing. Journalism is a hands-on class in which students will use various journalistic techniques to research stories for newspaper production. The newspaper is intended for both student and community reading. Some after-school time may be necessary to meet production deadlines.

Prerequisite: Application required with samples of writing.

Grades: 10, 11, 12
NCAA

LA Senior Elective or PAVA Credit

(AC, BMMT, E/M&IT, HSer, HSci, NR&A)

0565 Theatre Arts I – Introduction to Theatre

Semester - 1/2 credit

This course is designed as an introductory course, covering the varied components of theatre. Students who take this class have an interest in theatre, and wish to explore both the acting and the technical sides of theatre. Students will study the history of theatre, chronological developments and explore potential careers in theatre. Students will also work on basic acting techniques such as voice and movement and improvisational acting. A writing component will have students journaling about their in-class experiences, writing and critiquing outside theatrical productions and completing a research project on theatre history. Successful completion of both Theatre Arts I and II can count for the required Language Arts senior elective credit.

Grades: 9, 10, 11, 12

LA Senior Elective or PAVA Credit

0566 Theatre Arts II – Acting (AC, BMMT, E/M&IT, HSer, HSci, NR&A)

Semester - 1/2 credit

This course is designed for students who wish to hone their acting skills through a more detailed study of the acting craft. Student will learn how to prepare monologues for auditions, perform one or more regional dialects, compose a detailed character analysis, use movement and vocal techniques in character development, write a short dramatic or comedic play using elements of dramatic structure, use journaling for self-reflection and character study, conduct research on a topic related to course study, and perform 8-10 minute scenes with a partner. Students are required to attend at least two (2) WSD plays over the course of the semester. Successful completion of both Theatre Arts I and II can count for the required Language Arts senior elective credit.

Prerequisite: Successful completion of *Theatre Arts I*

Grades: 9, 10, 11, 12

LA Senior Elective or PAVA Credit

(AC, BMMT, E/M&IT, HSer, HSci, NR&A)

0567 Theatre Arts III – Advanced Acting & Directing

Semester - 1/2 credit

This course is designed for students who have completed Theatre Arts I and Theatre Arts II. This is an advanced acting and directing class covering acting in period styles, as well as directing fellow students in scene work. Students will learn how to prepare headshots and resumes for practical auditioning purposes. Students will also complete a research project on a topic related to course study. Students will be required to attend at least two (2) WSD plays over the course of the semester. This class will count for the required Language Arts Senior Elective credit only after successfully completing *Theatre Arts I & II*.

Prerequisite: Successful completion of *Theatre I* and *Theatre II*

Grades: 10, 11, 12

LA Senior Elective or PAVA Credit

0569 Debate (AC, BMMT, E/M&IT, HSer, NR&A)

Semester - 1/2 credit

Students will learn the fundamentals of a researched argument which include speech, persuasion, reasoning and debate. They will practice these skills through writing, giving speeches and participating in actual debates. Proper methods and uses of research will be covered. Students will develop self-confidence and critical thinking skills.

Grades: 9, 10, 11, 12
NCAA

0580 Myths and Legends (AC, BMMT, E/M&IT, HSci, HSer, NR&A)

Semester - 1/2 credit

Myths and Legends is a one-semester course that expands on the knowledge of Mythology introduced in the core Language Arts courses. Students will do an in-depth study of myths and legends from various regions of the world. The course includes a research project. Students will understand the various qualities of myths and legends, gain appreciation for different cultures, and examine universal themes.

Prerequisite: Successful completion of *Language Arts I* and *Language Arts II*

Grades: 11, 12
NCAA

1652 Yearbook (AC, BMMT, E/M&IT, NR&A)

Full Year - 1 credit

The main objective of the course is the publication of the yearbook. All students enrolled will be responsible for interviewing, copywriting, proofreading, picture cropping, graphic layout and design, taking 35mm and digital photos, and meeting all deadlines. In addition, students will be responsible for financing the book through advertising sales, book sales, and a variety of other fundraising activities. Students are also required to spend some time after school on production activities, especially at a deadline.

The opportunity to develop leadership skills will be another aspect for the student to consider. Interested students may assume positions as editors or managers under the supervision of a faculty advisor. This class serves as elective credit.

Prerequisite: Application and teacher recommendation is required.

Grades: 10, 11, 12

LA Senior Elective or PAVA Credit

1680 ESOL Academic Assistance (AC, BMMT, E/M&IT, HSci, HSer, NR&A)

Semester - 1/2 credit

Students who speak a language other than English will work with the classroom teacher to achieve higher levels of academic English proficiency and access to information from core academic courses. Students will work on academic skills, performances, presentations and other activities aligned with meeting the outcomes of their other core academic courses in preparation for independent academic success. May be repeated for credit.

Prerequisite: Students are eligible for this course as determined by English Language Proficiency Assessment.

Grades: 9, 10, 11, 12

1687 ESOL English (AC, BMMT, E/M&IT, HSci, HSer, NR&A)

Full Year - 1 credit

Students who speak a language other than English will work to increase fluency in all areas of English Language Arts including listening, speaking, reading and writing. Instruction will integrate all areas of communication. Students will gain proficiency in Basic Interpersonal Communication Skills in English preparing them to enter mainstream English literacy and composition classes. May be repeated for credit.

Prerequisite: Students are eligible for this course as determined by English Language Proficiency Assessment.

Grades: 9, 10, 11, 12

MATHEMATICS

0814 Algebra I (AC, BMMT, E/M&IT, HSci, HSer, NR&A)

Full Year - 1 credit

This course will consist of eight sections of traditional algebraic concepts including: operations of the real number system, linear equations and inequalities, linear systems and inequalities, exponents and exponential functions, quadratics, polynomials, rational expressions, radicals and connections to Geometry. Many algebraic applications will be enhanced through the use of graphing calculators. Problem solving strategies will be included throughout all sections of the course to help students learn to think critically, work cooperatively and communicate ideas to their peers and teachers.

Grades: 9, 10, 11, 12
NCAA

0816 Geometry (AC, BMMT, E/M&IT, HSci, HSer, NR&A)

Full Year - 1 credit

Geometry is a full year course that is a logical extension for students who have completed *Algebra I*. It is the study of shape, its structure and measure. Students will learn in depth descriptions, characteristics, relationships and computations related to geometric figures. Geometry will be the platform for learning about reasoning and proof. Techniques of algebra will be used in geometric applications.

Grades: 9, 10, 11, 12
NCAA

0815 Honors Geometry (AC, BMMT, E/M&IT, HSci, HSer, NR&A)

Full Year - 1 credit

Honors Geometry is a full year course that is a logical progression for students who have completed *Algebra I*. This course is for students who are prepared for the academic rigor of an honors class. Geometric shape, structure and measure will be studied. Students will learn in depth descriptions, characteristics, relationships and computations related to geometric figures. Geometry will be the platform for learning about reasoning and proof. Techniques of algebra will be used in geometric applications. Increased depth and breadth will be emphasized with all concepts of study through technology applications and projects.

Prerequisite: Successful completion of *Algebra I*

Grades: 9, 10
NCAA

0817 Algebra II (AC, BMMT, E/M&IT, HSci, HSer, NR&A)

Full Year - 1 credit

Algebra II is a full year advanced algebra course which includes quadratics, radicals, rationals, logarithms, exponentials and trigonometry. It is an extension of topics in *Algebra I* with an in-depth study of higher order functions. Additional concepts include complex numbers, sequences and series, data analysis and statistics.

Prerequisite: Successful completion of *Algebra I* and *Geometry*

Grades: 10, 11, 12
NCAA

0829 Beginning Algebra II Year 1 (AC, BMMT, E/M&IT, HSci, HSer, NR&A)

Full Year - 1 credit

0830 Intermediate Algebra II Year 2 (AC, BMMT, E/M&IT, HSci, HSer, NR&A)

Full Year - 1 credit

Beginning Algebra II/Intermediate Algebra II is a two year course that is a logical progression for students who have completed *Algebra I* and *Geometry*. It is an extension of topics in *Algebra I* with a study of higher order functions. Additional concepts include trigonometry, complex numbers, sequences and series, data analysis and statistics. Problem solving is an important part of *Algebra II*. This is a course designed for students who need *Algebra II* credit for graduation. Note: Credit for *Algebra II* will not be given until student successfully completes both years.

Prerequisite: Successful completion of *Algebra I*

Grades: 11, 12

0827 Honors Algebra II (AC, BMMT, E/M&IT, HSci, HSer, NR&A) Full Year - 1 credit

Honors Algebra II is a full year advanced algebra course that is a logical progression for students who have completed *Algebra I* and *Geometry*. This course is for students who are prepared for the academic rigor of an honors class. This course is an extension of topics in *Algebra I* with an in-depth study of higher order functions which include quadratic, radical, rational, logarithmic, exponential, and trigonometric. Additional topics will include complex numbers, sequences and series, data analysis and statistics. Increased depth and breadth will be emphasized with all concepts of study.

Prerequisite: Successful completion of *Honors Geometry*

Grades: 10, 11
NCAA

0820 Statistical Topics in Mathematics (AC, BMMT, E/M&IT, HSci, HSer, NR&A) Semester - 1/2 credit

This class is for college bound students who have completed *Algebra II* and wish to explore further topics in mathematics but are not necessarily interested in the pre-calculus curriculum. Statistics is the study of how to collect, organize, analyze and interpret numerical information. Topics include averages and variations, probability and distributions.

Prerequisite: Successful completion of *Algebra II/Honors Algebra II*; or concurrently enrolled in *Algebra II/Honors Algebra II*

Grades: 11, 12
NCAA

(AC, BMMT, E/M&IT, HSci, HSer, NR&A)

0821 Discrete and Finite Topics in Mathematics Semester - 1/2 credit

This class is for college bound students who have completed *Algebra II* or will be enrolled in *Algebra II* concurrently. These students wish to explore further topics in mathematics but are not necessarily interested in the pre-calculus curriculum. The topics are in the areas of linear data analysis, finance, linear programming, combinations, matrices, fair division and graph theory.

Prerequisite: Successful completion of *Algebra II/Honors Algebra II* or concurrently enrolled in *Algebra II*

Grades: 11, 12
NCAA

(AC, BMMT, E/M&IT, HSci, HSer, NR&A)

0831 Senior Mathematics Full Year - 1 credit

This course is intended for seniors who have successfully completed *Algebra I*, *Geometry*, and *Algebra II* and are interested in exploring nontraditional topics while preparing for mathematics beyond high school. In the first semester, this course will cover problem solving, logic, set theory, number theory, and graph theory. The second semester will review previous math topics in greater depth that are essential for college placement such as Algebra, Geometry, Trigonometry, Probability and Statistics.

Prerequisite: Successful completion of *Algebra I*, *Geometry* and *Algebra II*

Grades: 12
NCAA

MATHEMATICS

0822 Advanced Placement Statistics (AC, BMMT, E/M&IT, HSci, HSer, NR&A) Full Year - 1 credit

The purpose of the AP course in statistics is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: Exploring Data, Sampling and Experimentation, Anticipating Patterns, and Statistical Inference.

Students who successfully complete the course and exam may receive credit, advanced placement, or both for a one-semester introductory college statistics course.

Prerequisite: Successful completion of *Algebra II/Honors Algebra II*; or concurrently enrolled in *Algebra II/Honors Algebra II*

Grades: 11, 12
NCAA

0832 Precalculus (AC, BMMT, E/M&IT, HSci, HSer, NR&A) Full Year - 1 credit

This is a Calculus preparation course that is recommended for students interested in pursuing careers in math, science, technology, engineering or business. The first semester will focus on trigonometry and the study of right and oblique triangles. Other topics include the unit circle, verifying and solving trigonometric functions, conic sections, parametric functions, polar coordinates and sequences and series. Second semester will consist of the study of algebraic and graphical in-depth analysis of families of functions including: Polynomial, power, rational, exponential and logarithmic; matrices and vectors will also be studied.

Prerequisite: Successful completion of *Algebra I*, *Geometry*, and *Algebra II* AND teacher recommendation

Grades: 11, 12
NCAA

0819 Advanced Placement Calculus (AC, BMMT, E/M&IT, HSci, HSer, NR&A) Full Year - 1 credit

This course is the equivalent of first semester college Calculus. It includes derivatives of algebraic functions, integrals and differential equations. Students are prepared for the advanced placement exam.

Prerequisite: Successful completion of *Math Analysis*

Grade: 12
NCAA

PHYSICAL EDUCATION

1201 Personal Fitness (AC, BMMT, E/M&IT, HSci, HSer, NR&A) Semester - 1/2 credit

This is a required course. All students must enroll in at least two semesters of Physical Education. Students will gain knowledge, skills and attitudes necessary to improve or maintain cardiovascular efficiency, flexibility, muscular strength, muscular endurance, body composition, speed, power, agility and balance, as well as swimming and water safety. Students will also engage in weekly classroom experiences that emphasize personal lifestyle decisions related to designing and implementing a personal fitness program, reducing cardiovascular risk factors, stress management, nutrition and establishing a high-quality lifestyle.

This required course may not be repeated for credit.

Grades: 9, 10, 11, 12

1234 Health (AC, BMMT, E/M&IT, HSci, HSer, NR&A)

Semester - 1/2 credit

This is a required course. This course offers an opportunity for students to better understand the dynamics of good health. This course may include mental, physical and social aspects of good health such as safety, stress management, physical fitness, drugs, alcohol, tobacco, nutrition and diseases of the human body.

This required course may not be repeated for credit.

Grades: 9, 10, 11, 12

1209 Strength Fitness (AC, BMMT, E/M&IT, HSci, HSer, NR&A)

Semester - 1/2 credit

This course is designed to emphasize further knowledge and development of muscular strength, and endurance in major muscle groups along with flexibility and cardiovascular fitness. Students will learn and apply principles and techniques of weight training, resistance training, plyometrics and cardiovascular training to design a personal fitness program to achieve desired results.

Prerequisite: *Personal Fitness*

Grades: 9, 10, 11, 12

1210 Individual Lifetime Sports (AC, BMMT, E/M&IT, HSci, HSer, NR&A)

Semester - 1/2 credit

This course is designed for the student who would like to acquire or improve their individual lifetime skills. Emphasis will be placed on badminton, bowling, distance running, pickle ball, roller-skating, wrestling, yoga, tennis, and table tennis. Special field trips may be made to bowling alleys, and racquetball courts.

Prerequisite: *Personal Fitness*

Grades: 9, 10, 11, 12

1214 Team Sports (AC, BMMT, E/M&IT, HSci, HSer, NR&A)

Semester - 1/2 credit

This course will allow the student the opportunity to gain knowledge, skills, strategies and attitudes necessary to participate in lifelong team sports activities. Students will improve or maintain a health-related level of fitness in units of airforce/flag football, soccer, basketball, softball, and volleyball.

Prerequisite: *Personal Fitness*

Grades: 9, 10, 11, 12

1216 Advanced Weight Training (AC, BMMT, E/M&IT, HSci, HSer, NR&A)

Semester - 1/2 credit

The instructor and student collaborate to design and implement a strength training program according to the student's fitness goals. The instructor and student will evaluate the program as a constant process toward obtaining the desired outcomes.

Prerequisite: *Personal Fitness and Strength Fitness*

Grades: 10, 11, 12

PHYSICAL EDUCATION

1217 Beginning Contemporary Dance (AC, BMMT, E/M&IT, HSci, HSer, NR&A) Semester - 1/2 credit

This course is an introduction to contemporary dance and includes creative movement exercise and dance techniques all geared to the possibility of performance.

Prerequisite: *Personal Fitness*

Grades: 9, 10, 11, 12

1218 Sports Officiating (AC, BMMT, E/M&IT, HSci, HSer, NR&A) Semester - 1/2 credit

This course is for the student that has interest in officiating as a part-time or full-time vocation. There are an extremely large number of employment opportunities for students in our local recreation programs, middle schools and high schools. Students will gain the knowledge of the rules and its proper application as it relates to the following sports: basketball, football, soccer, softball, baseball, and volleyball.

Prerequisite: *Personal Fitness* and *Team Sports*.

Grades: 10, 11, 12

(AC, BMMT, E/M&IT, HSci, HSer, NR&A)

1219 Independent Study in Physical Education Semester - 1/2 credit

Only those students who have an interest in pursuing a career in physical education, teaching K-12, and/or working with children. Each student will be assigned to a elementary, middle school and/or high school teacher as their mentor for the semester. On the day that their class would meet, the student will travel to that location and perform the duties and responsibilities assigned to them by their mentor.

Prerequisite: *Personal Fitness* plus one of the electives. One full credit. Also, must have recommendation from high school Physical Education Department. Students must have own transportation.

Grades: 10, 11, 12

1233 Aerobics and Strength Training (AC, BMMT, E/M&IT, HSci, HSer, NR&A) Semester - 1/2 credit

This class is for the student who would like to improve or maintain fitness and body appearance through body movement with music and muscle toning through light weight training. The class will help students reach and maintain a target heart rate, get new people interested in exercising and make exercise fun in a non-competitive way.

Prerequisite: *Personal Fitness*

Grades: 9, 10, 11, 12

(AC, BMMT, E/M&IT, HSci, HSer, NR&A)

1230 Advanced Conditioning for the Varsity Athlete Semester - 1/2 credit

This challenging course is designed strictly for those varsity male and/or female student-athletes who would like to enhance the many components that are desired for optimal athletic performance. Emphasis will be placed on addressing or improving the basic to advanced techniques/skills necessary for overall athletic performances, prevention of injuries, promoting a positive self-image, developing confidence and mental toughness. A discipline and structured atmosphere will enable student-athletes to reach their athletic potential.

Prerequisite: *Personal Fitness* and recommendation from student's head coach

Grades: 9, 10, 11, 12

1308 Geophysical Science (AC, BMMT, E/M&IT, HSci, HSer, NR&A) Full Year - 1 credit

This course fulfills the course requirements for ninth grade students. The concepts studied will include: astronomy, fluid earth, geology, and energy.

Grade: 9
NCAA

1309 Honors Geophysical Science (AC, BMMT, E/M&IT, HSci, HSer, NR&A) Full Year - 1 credit

This course fulfills the course requirements for ninth grade students. The concepts studied will include: astronomy, fluid earth, geology, and energy. An honors course is designed for the student that would like to pursue a deeper understanding of the required course content at a more rigorous pace.

Grade: 9
NCAA

1313 Biology (AC, BMMT, E/M&IT, HSci, HSer, NR&A) Full Year - 1 credit

This course fulfills the course requirements for tenth grade students. The concepts studied will include: heredity, evolution, cell structure and reproduction, and the organization of living things, genetics, ecosystems, biogeochemical cycles, human ecology and our impact on the planet.

Grades: 10
NCAA

1320 Honors Biology (AC, BMMT, E/M&IT, HSci, HSer, NR&A) Full Year - 1 credit

This course fulfills the course requirements for tenth grade students. The concepts studied will include: heredity, evolution, cell structure and reproduction, and the organization of living things, genetics, ecosystems, biogeochemical cycles, human ecology and our impact on the planet. An honors course is designed for the student that would like to pursue a deeper understanding of the required course content at a more rigorous pace. Successful completion of this class will prepare students for the rigor of both AP and collegiate levels biology.

Grades: 10
NCAA

1319 Advanced Placement Biology (AC, BMMT, E/M&IT, HSci, HSer, NR&A) Full Year - 1 credit

This class is designed for science students willing to do advanced work and to prepare for the Advanced Placement Test. The level of material and instruction is equivalent to a first year Biology course in college.

Prerequisite: Successful completion of *Biology* or *Honors Biology*

Grades: 11, 12
NCAA

1314 Anatomy/Physiology (AC, BMMT, E/M&IT, HSci, HSer, NR&A) Full Year - 1 credit

This is a laboratory-oriented course that has a major emphasis on anatomy, physiology, and cell structure of plants and animals.

Prerequisite: Successful completion of *Geophysical Science* and *Biology*

Grades: 10, 11, 12
NCAA

SCIENCE

(AC, BMMT, E/M&IT, HSci, HSer, NR&A)

1315 Crime Scene Investigation (Forensic Science)

Semester - 1/2 credit

This course will focus on the topics and techniques used by crime scene investigators. Topics such as observing and documenting a crime scene will be covered as well as fingerprinting, handwriting analysis, and hair and fiber analysis. Biology, chemistry and physics subject areas, such as DNA analysis, toxicology and ballistics, will be combined and applied to realistic crime scenes. The course is designed for students who have passed both *Physical Science and Biology* and are interested in several areas of science. Students should be prepared for extensive hands on activities and group work.

Prerequisite: Successful completion of *Geophysical Science and Biology*

Grades: 12
Kettering Campus
NCAA

1323 Chemistry (AC, BMMT, E/M&IT, HSci, HSer, NR&A)

Full Year - 1 credit

Students in this course will study topics in scientific inquiry, forms of energy, energy transfer, properties of matter, and changes in matter. Credit in *Physics* or *Chemistry (Honors Physics or Honors Chemistry)* is a State science requirement and is mandatory for graduation. This course meets the eligibility criteria toward the fourth credit in mathematics if not used for the science requirement.

Prerequisite: Credit or concurrent enrollment in *Algebra II*

Grades: 10, 11, 12
NCAA

Science or Math Credit

1325 Honors Chemistry (AC, BMMT, E/M&IT, HSci, HSer, NR&A)

Full Year - 1 credit

Students in this course will study topics in scientific inquiry, forms of energy, energy transfer, properties of matter, and changes in matter. An honors course is designed for the student that would like to pursue a deeper understanding of the required course content at a more advanced level. Credit in *Physics* or *Chemistry (Honors Physics or Honors Chemistry)* is a State science requirement and is mandatory for graduation. This course is recommended for college bound students. Successful completion of this class will prepare students for the rigors of both AP and collegiate level chemistry. This course meets the eligibility criteria toward the fourth credit in mathematics if not used for the science requirement.

Prerequisite: Credit or concurrent enrollment in *Algebra II*.

Grades: 10, 11, 12
NCAA

Science or Math Credit

1324 Advanced Placement Chemistry (AC, BMMT, E/M&IT, HSci, HSer, NR&A)

Full Year - 1 credit

This course is designed to let science students do rigorous work and prepare for the Advanced Placement Examination in Chemistry. The level of material and instruction is equivalent to first year chemistry in college. This course meets the eligibility criteria toward the fourth credit in mathematics if not used for the science requirement.

Prerequisite: Successful completion of *Chemistry* and concurrent enrollment in *Math Analysis* or *Calculus*

Grades: 11, 12
NCAA

Science or Math Credit

1335 Physics (AC, BMMT, E/M&IT, HSci, HSer, NR&A) Full Year - 1 credit

Students study and learn fundamental concepts in motion, forces, energy, electric charge, waves, optics, and nuclear physics. Credit in *Physics* or *Chemistry (Honors Physics or Honors Chemistry)* is a State science requirement and is mandatory for graduation. This course meets the eligibility criteria toward the fourth credit in mathematics if not used for the science requirement.

Prerequisite: Credit or concurrent enrollment in *Algebra II*

Grades: 10, 11, 12
NCAA

Science or Math Credit

1337 Honors Physics (AC, BMMT, E/M&IT, HSci, HSer, NR&A) Full Year - 1 credit

Students study and learn fundamental concepts in motion, forces, energy, electric charge, waves, optics, and nuclear physics. An honors course is designed for the student that would like to pursue a deeper understanding of the required course content at a more advanced level. Credit in *Physics* or *Chemistry (Honors Physics or Honors Chemistry)* is a State science requirement and is mandatory for graduation. Recommended for college bound students. Successful completion of this class will prepare students for the rigors of both AP and collegiate level physics. This course meets the eligibility criteria toward the fourth credit in mathematics if not used for the science requirement.

Prerequisite: Credit or concurrent enrollment in *Algebra II*.

Grades: 10, 11, 12
NCAA

1336 Advanced Placement Physics (AC, BMMT, E/M&IT, HSci, HSer, NR&A) Full Year - 1 credit

This course is designed to let science students do rigorous work and prepare for the Advanced Placement examination in Physics. The level of material and instruction is equivalent to first year college Physics. This course meets the eligibility criteria toward the fourth credit in mathematics if not used for the science requirement.

Prerequisite: Successful completion of *Physics* and concurrent enrollment in *Math Analysis* or *Calculus* (recommended)

Grade: 11, 12
NCAA

(AC, BMMT, E/M&IT, HSci, HSer, NR&A)

1310 Advanced Placement Environmental Science Full Year - 1 credit

This course is designed for students willing to do advanced work to prepare for the Advanced Placement Examination in Environmental Science. The goal of the *AP Environmental Science* course is to provide students with the scientific principles and concepts to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. The level of material and instruction is equivalent to a first year environmental science course in college

Prerequisite: One year of *Biology* and one year of *Chemistry* or *Physics*. This course can be taken concurrently with *Chemistry* or *Physics*.

Grades: 11, 12
NCAA

SOCIAL STUDIES

0913 World Studies (9th Grade) (AC, BMMT, E/M&IT, HSci, HSer, NR&A) Full Year - 1 credit

World Studies is a full year required course that focuses on basic events in human political, economic, and social development. The course will examine the different peoples and cultures that have appeared in history and how they interact with and influence each other.

Grade: 9
NCAA

0910 United States History (10th Grade) (AC, BMMT, E/M&IT, HSci, HSer, NR&A) Full Year - 1 credit

The purpose of this required course is to increase students' knowledge of historical events, sharpen their skills at rational discourse about American social problems, and deepen their understanding of the American heritage. This course is not confined to a survey of historical events. Persisting problems in American history are raised to stimulate critical thinking skills by students. The course will consist of a basic examination of the chronological history of the United States from the 1870's Industrial Revolution to the present. Emphasis is placed on the economic, political and social developments in the United States.

Grade: 10
NCAA

0911 Honors United States History (AC, BMMT, E/M&IT, HSci, HSer, NR&A) Full Year - 1 credit

The purpose of this required course is to increase students' knowledge of historical events, sharpen their skills at rational discourse about American social problems, and deepen their understanding of the American heritage. This course is not confined to a survey of historical events. Persisting problems in American history are raised to stimulate critical thinking skills by students. The course will consist of a basic examination of the chronological history of the United States from the 1870's Industrial Revolution to the present. Emphasis is placed on the economic, political and social developments in the United States. An honors course is designed for the student that would like to pursue a deeper understanding of the required course content at a more advanced level. This course is intended for students to become prepared in skills and content for Advanced Placement or similar college level work.

Grade: 10
NCAA

0926 American Civics: Our Systems of Government and Economics (11th Grade) (AC, BMMT, E/M&IT, HSci, HSer, NR&A) Full Year - 1 credit

In this required two semester course students will learn the content and skills of American Civics. In the first semester, the course examines the Constitution with its basic terms and principles. This includes an analysis of governmental power and of the corresponding individual rights and responsibilities, with an emphasis on the structure, function and operation of the federal government. The second semester concerns students' development of an understanding of the American mixed economic system, including its structure, function and operation. The course addresses microeconomic decision-making in the analysis of markets, including market participants' decisions regarding production, consumption and government regulation. On the macroeconomic level, students will study the behavior of the national economy: its economic indicators, business cycle, participants, as well as the role of the government both domestically and internationally.

Grade: 11
NCAA

0927 Honors American Civics: Our Systems of Government and Economics
(11th Grade) (AC, BMMT, E/M&IT, HSci, HSer, NR&A) Full Year - 1 credit

In this required two semester course students will learn the content and skills of American Civics. In the first semester, the course examines the Constitution with its basic terms and principles. This includes an analysis of governmental power and of the corresponding individual rights and responsibilities, with an emphasis on the structure, function and operation of the federal government. The second semester concerns students' development of an understanding of the American mixed economic system, including its structure, function and operation. The course addresses microeconomic decision-making in the analysis of markets, including market participants' decisions regarding production, consumption and government regulation. On the macroeconomic level, students will study the behavior of the national economy: its economic indicators, business cycle, participants, as well as the role of the government both domestically and internationally. An honors course is designed for the student that would like to pursue a deeper understanding of the required course content at a more advanced level. This course is intended for students to become prepared in skills and content for Advanced Placement or similar college level work.

Grade: 11

0904 Current Issues (AC, BMMT, E/M&IT, HSci, HSer, NR&A) Semester - 1/2 credit

The purpose of this course is to broaden the world perspective of the high school student. Students will examine the major regions of the world and identify major issues that demonstrate the dynamics of international relationships, such as the use of resources and environmental concerns. Examples of the topics covered in this class are: genocide, the conflicts in the Middle East, the U.S. role in a changing world, religious tensions and terrorism.

Grades: 10, 11, 12
 NCAA

0939 Street Law (AC, BMMT, E/M&IT, HSci, HSer, NR&A) Semester - 1/2 credit

Street Law comprehensively examines the basic principles and concepts in the law and the legal process, primarily through a study of criminal and juvenile justice. In addition, students will explore issues related to criminal law and law enforcement, including individual rights, alternative remedies and civil vs. criminal law and procedure. Students will learn about the structure, function and operation of the legal system. Throughout the semester, students will receive practical and timely legal information, which they may apply to real life situations. Course activities include mock trials, class discussions, guest speakers, case studies, and courtroom observations.

Grades: 10, 11, 12
 NCAA

0921 Anthropology (AC) Semester - 1/2 credit

The focus of Anthropology is the study of those characteristics that make the human species distinct. What is the survival value or logic behind some of the seemingly bizarre behaviors exhibited by traditional peoples around the world? Through this study, students will gain an understanding and appreciation of the achievements of historical and traditional cultures of diverse groups of people.

Grades: 10, 11, 12
 NCAA

0922 Sociology (AC, BMMT, E/M&IT, HSci, HSer, NR&A) Semester - 1/2 credit

Sociology is the study of human relationships. The course will present a comprehensive examination of the basic concepts, principles, and methods central to the scientific study of sociology. The goal of the class is to help students to view their own lives within a larger social and historical context. Students will be able to appreciate the rich diversity that is possible in social life by exposing them to data from a wide variety of cross-cultural and historical sources.

Grades: 10, 11, 12
 NCAA

SOCIAL STUDIES

**Full Year - 1 Credit or
Semester - 1/2 credit**

0924 Psychology (AC, BMMT, E/M&IT, HSci, HSer, NR&A)

Psychology is the study of the mind and behavior. This introductory course begins with an examination of the basic principles and methods of psychology, followed by a survey of the branches of psychology: behavioral, developmental, personality, cognitive, social and behavior disorders. Students will focus on the terminology, theories, studies and people important to psychology.

Grades: 10, 11, 12
NCAA

0925 Advanced Placement Psychology (AC, BMMT, E/M&IT, HSci, HSer, NR&A) Full Year - 1 credit

The AP Psychology course is designed to introduce students to the systematic and scientific study of behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice.

Grades: 11, 12
NCAA

(AC, BMMT, E/M&IT, HSci, HSer, NR&A)

0930 Advanced Placement Government

Full Year - 1 credit

Advanced Government is an elective Social Studies course designed to provide students with a foundation in government that will prepare them for a major in the field of political science or in pre-law. Information in this course may be beneficial for students preparing for the A.P. exam.

Prerequisite: Successful completion of *American Civics*

Grade: 12
NCAA

0931 Advanced Placement World History (AC, BMMT, E/M&IT, HSci, HSer, NR&A) Full Year - 1 credit

While preparing to take the Advanced Placement Examination in world history, students in this full year course will develop greater understanding of the evolution of global processes and contacts, in interaction with different types of human societies. This course will thus advance this understanding through a combination of selective factual knowledge and appropriate analytical skills. This course highlights the nature of changes in international frameworks, and their causes and consequences, as well as comparisons among major societies. It emphasizes relevant factual knowledge deployed in conjunction with leading interpretive issues and types of historical evidence.

Grades: 10, 11, 12
NCAA

(AC, BMMT, E/M&IT, HSci, HSer, NR&A)

0932 Advanced Placement United States History

Full Year - 1 credit

This course is designed to prepare students for the Advanced Placement Examination in American History. Students who select this course should have a strong interest and background in American history, coupled with strong analytical and writing skills. The level of material and instruction is equivalent to college freshman American History.

Grades: 10 (with minimum criteria), 11, 12
NCAA

(AC, BMMT, E/M&IT, HSci, HSer, NR&A)

0935 Advanced Placement Economics**Full Year - 1 credit**

While preparing students to take the Advanced Placement Examinations in both microeconomics and macroeconomics, this full-year course will give students a thorough understanding of the principles of economics that apply to the functions of individual decision makers within the economic system as well as the economic system as a whole. It emphasizes the study of product markets, national income and price-level determination, and includes the study of factor markets and of the role of government in promoting greater efficiency and equity in the economy. It will develop students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics.

Prerequisite: Successful completion of U.S. History

Grades: 11, 12

NCAA

0940 Student Leadership**Semester - 1/2 credit**

This course teaches students the advanced skills of leadership. As students organize and implement a variety of school and community service projects, they learn communication skills, teamwork, organization, and time-management. Student grades are based on completion of 30 hours of community service and active participation in ongoing activity committees. Interested students must see the Student Leadership teacher for an application and teacher recommendation forms. This course may be taken for a semester or full year.

Prerequisite: Application and teacher recommendation is required

Grades: 9, 10, 11, 12

WORLD LANGUAGES

0701 French I (AC, BMMT, E/M&IT, HSci, HSer, NR&A)**Full Year - 1 credit**

This course introduces the students to French, the language as well as the culture of those who speak it. From the first day, students will communicate in simple French, developing conversational skills in real-life situations. Through the course, students will increase their language abilities while deepening their understanding of French culture.

Grades: 9, 10, 11, 12

NCAA

0702 French II (AC, BMMT, E/M&IT, HSci, HSer, NR&A)**Full Year - 1 credit**

In second year French, a complete review of first-year ideas is followed by a more intermediate level development of language skills and cultural knowledge. The students will become better at expressing their thoughts by enlarging their vocabulary and learning new verb tenses. They will continue to explore the French-speaking world and to sample French culture.

Prerequisite: Successful completion of *French I*

Grades: 10, 11, 12

NCAA

0703 French III (AC, BMMT, E/M&IT, HSci, HSer, NR&A)**Full Year - 1 credit**

In the third year of French, students will review second year skills and learn to express themselves in French, developing listening, speaking, reading and writing skills. Most of the topics are presented and practiced in the target language. The students will apply their growing knowledge of other cultures in relationship to a variety of authentic texts.

Prerequisite: Successful completion of *French II*

Grades: 10, 11, 12

NCAA

WORLD LANGUAGES

0704 French IV (AC, BMMT, E/M&IT, HSci, HSer, NR&A) Full Year - 1 credit

The fourth year level is an advanced exploration of the French language and culture. With a focus on increased fluency, students will be asked to read, write and communicate orally in the taught language. Using French exclusively, the class will study the history, literature and culture of francophonic regions worldwide.

Prerequisite: Successful completion of *French III*

Grade: 12
NCAA

0705 Advanced Placement French (AC, BMMT, E/M&IT, HSci, HSer, NR&A) Full Year - 1 credit

This course reviews, develops and enriches existing communication skills. Through selected readings, varied writing applications and challenging conversational activities, the student will be able to achieve levels of proficiency necessary to take the Advanced Placement French Exam.

Prerequisite: Successful completion of *French III*

Grade: 12
NCAA

0711 Spanish I (AC, BMMT, E/M&IT, HSci, HSer, NR&A) Full Year - 1 credit

This course introduces the student to the sound and structure of the Spanish language. The student learns the language by developing listening, speaking, reading and writing skills. The lifestyles and traditions of Spanish speaking people are presented throughout the course to encourage an appreciation of cultural diversity.

Grades: 9, 10, 11, 12
NCAA

0712 Spanish II (AC, BMMT, E/M&IT, HSci, HSer, NR&A) Full Year - 1 credit

In addition to continuing those skills learned in Spanish I, the teacher places increasing emphasis on the spoken word. Fluency and knowledge of the language increase. It is recommended that students take this course immediately after Spanish I.

Prerequisite: Successful completion of *Spanish I*

Grades: 9, 10, 11, 12
NCAA

0713 Spanish III (AC, BMMT, E/M&IT, HSci, HSer, NR&A) Full Year - 1 credit

The teacher conducts the majority of the class in Spanish. The student continues to master Spanish sound and structure and demonstrates increased confidence in his speaking, reading, writing and listening ability. Students communicate in the language. The teacher continues to present cultural material. It is recommended that the student take this course immediately after Spanish II.

Prerequisite: Successful completion of Spanish II

Grades: 10, 11, 12 or permission of instructor
NCAA

0714 Spanish IV (AC, BMMT, E/M&IT, HSci, HSer, NR&A) Full Year - 1 credit

The teacher conducts this course in Spanish. The student continues to develop skills in listening, speaking, reading, and writing. Cultural and literary exposure are incorporated.

Prerequisite: Successful completion of *Spanish III*

Grades: 11, 12 or permission of instructor
NCAA

0715 Advanced Placement Spanish V (AC, BMMT, E/M&IT, HSci, HSer, NR&A) Full Year - 1 credit

This Advanced Placement course, conducted entirely in Spanish, will prepare students for the Advanced Placement Exam. Classroom focus will include advanced writing, reading, speaking and listening skills.

Prerequisite: Successful completion of *Spanish IV*

Grades: 12
Kettering Campus
NCAA

0730 Japanese I (AC, BMMT, E/M&IT, HSci, HSer, NR&A) Full Year - 1 credit

Students will explore the complex language of Japanese through listening, speaking, reading and writing. Students will learn the sound system and learn to write the Japanese syllabaries. A major emphasis of the first year will be to read, write, and pronounce Hiragana, Katakana and some basic Kanji (the three different sets of Japanese characters). The use of romanized Japanese will be limited and students should expect to see and write only Japanese characters from the start of the course. Students will be expected to use vocabulary and structures in a variety of ways. Cultural topics will be interwoven as they pertain to the vocabulary and structures presented. This course will challenge the serious language student.

Grades: 9, 10, 11, 12
Mott Campus
NCAA

0731 Japanese II (AC, BMMT, E/M&IT, HSci, HSer, NR&A) Full Year - 1 credit

In this course, students will continue to learn the grammar of Japanese and further explore the culture of the Japanese people. A major component of this course will be to learn to read and write basic Kanji, while combining Kanji with the Hiragana and Katakana learned in Japanese I. The plain level of discourse will be introduced this year. Students will continue to improve their speaking and listening skills.

Prerequisite: Successful completion of *Japanese I*

Grades: 10, 11, 12
Mott Campus
NCAA

0732 Japanese III (AC, BMMT, E/M&IT, HSci, HSer, NR&A) Full Year - 1 credit

In the third year, students will continue to learn Kanji, as well as learn advanced grammatical structures. There will be a continuation of use of plain and polite level discourse in reading, writing, listening and speaking. Students will have a secure background for college-level Japanese study upon completion of this course.

Prerequisite: Successful completion of *Japanese II*

Grades: 11, 12
Mott Campus
NCAA

0792 German I (AC, BMMT, E/M&IT, HSci, HSer, NR&A) Full Year - 1 credit

This course is an introduction to German. The primary goal is developing proficiency in the four language skills: listening, speaking, reading, and writing, with an emphasis on communication. The students will also increase their awareness, knowledge, appreciation, and respect of the diverse cultures of the countries whose language they are trying to learn. This class incorporates music, song, art, and projects to help meet course objectives. It is strongly recommended that German I students continue through the third level.

Grades: 9, 10, 11, 12
Kettering Campus
NCAA

WORLD LANGUAGES

0793 German II (AC, BMMT, E/M&IT, HSci, HSer, NR&A) Full Year - 1 credit

Second year German reviews, develops and refines existing skills and knowledge. Increased proficiency in the four language skills and cultural diversity will be the focus of this year. At this intermediate level, the student shall become more adept at manipulating structures and vocabulary in order to exchange ideas. Students will continue to enhance their cultural knowledge, as they become more familiar with German speaking countries.

Prerequisite: Successful completion of *German I*

Grades: 10, 11, 12
Kettering Campus
NCAA

0794 German III (AC, BMMT, E/M&IT, HSci, HSer, NR&A) Full Year - 1 credit

The student continues to master German and their previously learned skills of communication. They will demonstrate increased confidence in his or her speaking ability. The student will also increase their mastery of German language and culture through literature. In this year, students will be introduced to German Folklore and Fairy Tales. Students communicate in the language. It is recommended that the student take this course immediately after *German II*.

Prerequisite: Successful completion of German II

Grades: 11, 12
Kettering Campus
NCAA

0795 German IV (AC, BMMT, E/M&IT, HSci, HSer, NR&A) Full Year - 1 credit

The student will be focused on syntax and fine communication skills. Students will be expected to read and analyze material and provide written and oral feedback in German. It is recommended that the student take this course immediately after *German III*.

Prerequisite: Successful completion of German III

Grades: 11, 12
Kettering Campus
NCAA

0796 Advanced Placement German (AC, BMMT, E/M&IT, HSci, HSer, NR&A) Full Year - 1 credit

This course is designed to prepare students for the Advanced Placement German exam. The content of this course will reflect both student and teacher interests that create strong command of vocabulary and structures. Students will be expected to speak and understand German in various situations. Students will also read non-technical writings such as contemporary fiction, newspapers and magazines. Students will also be expected to express ideas fluently and accurately in writing.

Prerequisite: Successful completion of *German III*

Grade: 12
Kettering Campus
NCAA

1618 Student Mentor (out of the building)

Semester - 1/2 credit

The Teacher Mentor Program is an elective, alternative program for students who are interested in working as a tutor or coach with elementary school students. The goal is to improve the learning of both the mentor and the student. Through the mentoring experience, the social skills, communication skills and instructional skills of both the mentor and the younger student will increase. Mentors provide a positive role model for younger students. Students interested in the program should contact their counselor or the Teacher Mentor Coordinator for more information.

Grades: 11, 12

1640 Independent Studies/World Travel

Semester - 1/2 credit

Students will visit a country outside America for approximately 10 days. Prior to the trip, students will study the history of the area from textbooks and handouts. They will be required to complete readings, quizzes, tests, essays, etc. Before leaving, students will submit plans for a project, approved by the instructor, to be completed within one month of their return.

Prerequisite: Application and approval of instructor

Grades: 11, 12

1652 Yearbook

Full Year - 1 credit

The main objective of the course is the publication of the yearbook. All students enrolled will be responsible for interviewing, copywriting, proofreading, picture cropping, graphic layout and design, and meeting all deadlines. In addition, students will be responsible for financing the book through advertising sales, book sales, and a variety of other fundraising activities. Students are also required to spend some time after school on production activities, especially at a deadline.

The opportunity to develop leadership skills will be another aspect for the student to consider. Interested students may assume positions as editors or managers under the supervision of a faculty advisor. This class serves as elective credit.

Prerequisite: Application and teacher recommendation is required

Grades: 10, 11, 12

PAVA or L/A Senior Elective Credit

1670 Video Production I (AC)

Semester - 1/2 credit

Students will learn various aspects of videography ranging from camera techniques to script writing and editing. They will collaborate to produce video programs focusing on school related activities.

Grades: 10, 11, 12

1671 Video Production II (AC)

Semester - 1/2 credit

Video Production II is an independent study with students serving as team leaders for Video Production I students. Students electing this course will be expected to assist on school district video production and to assist teachers wishing to utilize video equipment.

Prerequisite: Successful completion of *Video Production I*

Grades: 11, 12

ALTERNATIVE PROGRAMS

1675 Community Service

Semester - 1/2 credit

The Community Service is an elective open to any student. Community Service is service without pay to a non-profit organization or an individual or group in need of assistance. The student must complete 100 hours of volunteer work for 1/2 credit. Several small group meetings and a brief paper detailing the student's experiences will be required.

5000 Seminar (AC, BMMT, E/M&IT, HSci, HSer, NR&A)

Full Year - 1/2 credit

Seminar is required of each student each semester enrolled at Mott and Kettering. It is designed to provide students with the opportunity to receive additional academic support. Seminar will meet two instructional blocks per week. It is expected that students will use Seminar time to receive assistance, prepare for tests, complete projects, finish assignments or complete a variety of academic requirements. Periodically, Seminar time will be reserved for students to attend class meetings, assemblies, or other school related activities. Students who fail to meet the previously described expectations of Seminar, will be obligated to complete community service in order to receive credit. Successful completion of Seminar or community service obligations must be completed before graduation.

Grades: 9, 10, 11, 12

Learning Resource Center courses are for LRC students who have been certified by an IEPT.

LANGUAGE ARTS COURSES

2552 Language Arts (AC, BMMT, E/M&IT, HSer, NR&A) Full Year - 1 credit

This course is designed to improve skills in reading comprehension and written expression. Students will employ active learning strategies using graphic organizers with a variety of expository texts. Emphasis will be placed on varied genre selections with a focus on phonology, vocabulary (attributes, multiple meanings, idiomatic expressions), morphology (plural/possessive nouns, noun/verb agreement, present/past tense verbs) grammatical forms and functions, capitalization and punctuation, the writing process (graphic organizer scaffolding, topic/detail paragraphs) and oral communication skills.

Prerequisite: Placement will be determined by the individualized educational plan and student performance on baseline assessments. Teacher recommendation is required.

2570 Language Arts (AC, BMMT, E/M&IT, HSer, NR&A) Full Year - 1 credit

This course is designed to improve skills in reading comprehension and written expression. Students will employ active learning strategies using graphic organizers with a variety of expository texts. Emphasis will be placed on varied genre selections with a focus on phonology, vocabulary (homophones, idiomatic expressions, and definition development), morphology (irregular past tense verbs and progressive verbs) grammatical forms and functions (conjunctions, complete subject, and complete predicate), capitalization and punctuation, the writing process (graphic organizer scaffolding, classification and time-sequence paragraphs) and oral communication skills.

Prerequisite: Placement will be determined by the individualized educational plan and student performance on baseline assessments. Teacher recommendation is required.

2581 Language Arts (AC, BMMT, E/M&IT, HSer, NR&A) Full Year - 1 credit

This course is designed to improve skills in reading comprehension and written expression. Students will employ active learning strategies using graphic organizers with a variety of expository texts. Emphasis will be placed on varied genre selections with a focus on phonology, vocabulary (homophones, idiomatic expressions, and analogies), morphology (irregular plural nouns, common prefixes, comparative/superlative adjectives), grammatical forms and functions (adverbs, prepositional phrases, compound sentences), capitalization and punctuation, the writing process (graphic organizer scaffolding; classification; time-sequence paragraphs; summary paragraphs; multi-paragraph classification essays) and oral presentation skills.

Prerequisite: Placement will be determined by the individualized educational plan and student performance on baseline assessments. Teacher recommendation is required.

2592 Language Arts (AC, BMMT, E/M&IT, HSer, NR&A) Full Year - 1 credit

This course is designed to improve skills in reading comprehension and written expression. Students will employ active learning strategies using graphic organizers with a variety of expository texts. Emphasis will be placed on varied genre selections with a focus on phonology, vocabulary (idiomatic expressions and analogies), morphology (Latin roots, prefixes, suffixes, and irregular plural nouns), grammatical forms and functions (linking verbs, phrasal verbs and participles and subject/verb agreement), capitalization and punctuation, the writing process (graphic organizer; judge and evaluate information in varied genre selections; reasons and persuasion text structures; literary terms and devices), and oral presentation skills.

Prerequisite: Placement will be determined by the individualized educational plan and student performance on baseline assessments. Teacher recommendation is required.

MATHEMATICS COURSES

2810 Consumer's Math I (AC, BMMT, E/M&IT, HSci, HSer, NR&A) Full Year - 1 credit

This math class reinforces basic computation and functional math application by having students learn how to use mathematics effectively as a tool in their personal and business lives. Emphasis is placed on the translation of mathematics into meaningful applications. Students will be able to understand terminology relating to personal and business mathematics applications, apply basic math skills to the solution of both personal and business applications, and use common formulas to solve a variety of personal and business mathematics problems.

Prerequisite: Placement will be determined by the Individualized Educational Planning Team (IEPT) and student performance on baseline assessments. Teacher recommendation is required.

Grades: 9, 10, 11, 12

2811 Consumer's Math II (AC, BMMT, E/M&IT, HSci, HSer, NR&A) Full Year - 1 credit

This course is a continuation of the curriculum introduced in *Consumer's Math I*. Students learn to evaluate goods and services, and to manage budgets and finances.

Prerequisite: Placement will be determined by the Individualized Educational Planning Team (IEPT) and student performance on baseline assessments. Teacher recommendation is required.

Grades: 9, 10, 11, 12

2814 Algebra I (AC, BMMT, E/M&IT, HSci, HSer, NR&A) Full Year - 1 credit

This course will consist of eight sections of traditional algebraic concepts including: operations of the real number system, linear equations and inequalities, linear systems and inequalities, exponents and exponential functions, quadratics, polynomials, rational expressions, radicals and connections to Geometry. Many algebraic applications will be enhanced through the use of graphing calculators. Problem solving strategies will be included throughout all sections of the course to help students learn to think critically, work cooperatively and communicate ideas to their peers and teachers.

Prerequisite: Successful completion of Math 8: Introductory Algebra. Placement will be determined by the Individualized Educational Planning Team (IEPT) and student performance on baseline assessments. Teacher recommendation is required.

Grades: 9, 10, 11, 12

NCAA

2816 Geometry (AC, BMMT, E/M&IT, HSci, HSer, NR&A) Full Year - 1 credit

Geometry is a full year course that is a logical extension for students who have completed *Algebra 1*. It is the study of shape, its structure, and measure. Students will learn in-depth descriptions, characteristics relationship and computations related to geometric figures. Geometry will be the platform for learning about reasoning and proof. Techniques of algebra will be used in geometric applications.

Prerequisite: Successful completion of Semesters 1 and 2 of *Algebra 1*. Placement will be determined by the Individualized Educational Planning Team (IEPT) and student performance on baseline assessments. Teacher recommendation is required.

Grades: 9, 10, 11, 12

NCAA

SOCIAL STUDIES COURSES**2913 World Studies (AC, BMMT, E/M&IT, HSci, HSer, NR&A) Full Year - 1 credit**

This course is designed to expose students to different peoples and cultures that have appeared in history and how they interact with each other. It focuses on basic events in human political, economic and social development. Geography skills such as map reading will also be included.

Grade: 9
NCAA

2910 United States History (AC, BMMT, E/M&IT, HSci, HSer, NR&A) Full Year - 1 credit

The purpose of this course is to increase students' knowledge of historical events and deepen their understanding of the American heritage. The course will consist of a basic examination of the chronological history of the United States from Reconstruction to the present.

Grade: 10
NCAA

(AC, BMMT, E/M&IT, HSci, HSer, NR&A)

2926 American Civics: Our Systems of Government and Economics Full Year - 1 credit

In this two semester course, students will learn the content and skills of American Civics. In the first semester, the course examines the Constitution, governmental power and individual rights and responsibilities. An emphasis is placed on the structure, function, and operation of the federal government. In the second semester, the course examines the structure, function and operation of the American mixed economic system. The course addresses individual economic decision-making as well as the behavior of the national economy.

Grade: 11
NCAA

SCIENCE COURSES**2308 Geophysical Science (AC, BMMT, E/M&IT, HSci, HSer, NR&A) Full Year - 1 credit**

This is a required course for ninth grade students. The concepts will include astronomy, weather, geology, and energy.

Prerequisite: Placement will be determined by the Individualized Educational Planning Team (IEPT). Teacher recommendation is required.

Grade: 9
NCAA

2313 Biology (AC, BMMT, E/M&IT, HSci, HSer, NR&A) Full Year - 1 credit

This course will focus on the study of many different content areas, which includes some of the following: heredity, cell structure and reproduction, the organization of living things, genetics, ecosystems, human ecology, and our impact on the planet.

Prerequisite: Placement will be determined by the Individualized Educational Planning Team (IEPT). Teacher recommendation is required.

Grade: 10, 11, 12
NCAA

2224 Personal Achievement

Full Year - 1 credit

Personal Achievement is a course designed to increase/improve emotional intelligence (EQ) allowing students to develop their intrapersonal and interpersonal skills to be better prepared for interacting with others in their families, schools, work places and social circles. Through this course students will acquire skills in areas of emotional management, communication, problem-solving, and goal setting. Students will learn through a variety of learning modes, including standard lessons, PowerPoint presentations, games, art projects, movies, written assignments and group discussions.

Prerequisite: Placement will be determined by the Individualized Educational Planning Team (IEPT). Teacher recommendation is required.

Grade: 9, 10, 11, 12

VOCATIONAL COURSES

2402 Vocational Options

Semester - 1.5 credits

The purpose of the Vocational Options program is to prepare students with the skills, knowledge, and behaviors needed for the "working world". The program provides supervised, instructional, non-paid work experiences. Each student has the opportunity to participate in a variety of job sites, such as childcare, automotive, animal care, and food service entry level positions. The students' experiences are planned so that the training will enhance their employability and career pathway goals. This class meets daily, either the first or the last two (2) scheduled blocks of the day.

Prerequisite: Placement will be determined by the Individualized Educational Planning Team (IEPT). Teacher recommendation is required.

Grades: 11, 12

2403 Employability Skills (AC, BMMT, E/M&IT, HSci, HSer, NR&A)

Semester - 1/2 credit

This class is designed to give students hands-on job experience while working in both group and individual situations. The students will create and deliver products throughout the high school campus. Through this process the students learn how to complete time cards and billing statements, and to finish work on a deadline.

Prerequisite: Caseload teacher recommendation

Grades: 9, 10, 11, 12

2405 Work-Site Based Education

Semester - 1/2 credit

Work Based Education students receive on-the-job work experience and credit. A minimum of 5-15 hours per week is required (depending on credit received) as well as a successful evaluation by the student, employer/supervisor. Areas of evaluation include: attendance, attitude, personal appearance, and work performance, etc. Students must work the entire semester in order to receive credit. The work site must be approved by the vocational consultant and credit received is predetermined according to work training agreements.

Grades: 11, 12

**Waterford Alternative High School
Crary Campus**

Monica Lee, Principal
501 N. Cass Lake Road
Waterford, MI 48328
248-674-3145

Waterford Alternative High School is an educational program for students who prefer a small high school setting or who have not been successful in the regular classroom environment. Two hundred twenty-five students are attending our school for the 2010-2011 school year. Alternative High School students who fulfill Waterford School District graduation requirements earn a high school diploma. This is not an adult education program. Students are between the ages of 15 and 19 and are in at least their second year of high school.

The Alternative High School promotes student success through small class sizes. Teachers identify individual student strengths and weaknesses and the teaching methods they use are often modified to meet individual student needs. Waterford Alternative High School teachers provide a supportive and positive environment through one on one instruction and frequent reinforcement. In addition to academic learning, we strive to instill in students a positive attitude and the interpersonal skills needed to become productive citizens.

Waterford Alternative High School - Crary Campus offers the following opportunities:


- Smaller class size
- Smaller school population
- Dedicated and caring staff
- Four ten week terms in each school year. Credit is awarded at the end of each term.
- Students register for four classes each term. Each class meets every day at the same time. We do not rotate classes. Students may earn up to two credits each ten week term.
- Hands-on learning activities
- Career preparation and goal setting
- Technical Education and career preparation at the Oakland Technical Center
- Classes in business, management, marketing, student leadership and technology
- Bus transportation to and from school

Waterford Alternative High School will:

- Emphasize dignity and respect for all persons
- Encourage students to do their best
- Value the basic virtues of honesty and integrity
- Extend privileges based on student success


Students who graduate from our high school enter the work force, join the military or continue their education at colleges and technical schools. The Waterford Rotary Club sponsors five of our students for college scholarships each year. We also award several other scholarships through local colleges and associations.

Students register for the Alternative High School by calling and making an appointment to meet with our counselor. Our school is open to Waterford School District residents only.



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Tomorrow's Careers!**

**HIGH SCHOOL
JUNIORS AND SENIORS**

- Find your purpose
- Prepare for college and beyond
- Acquire hands-on learning
- Create new friendships

EMERGING SECTOR CLUSTERS

Experience a college-type environment at OSTC's Northwest Campus!

Northwest Campus welcomes students from Brandon, Clarkston, Holly, and Waterford schools. Participate in one of the following NW campus clusters!

Business, Management, Marketing, and Technology:

Attend this nationally-recognized cluster to prepare for different career opportunities in the following areas:

- Business Management and Ownership
- Database Administration and Programming
- Network Administration, PC Support
- Software Development
- Web Development and Design



Acquire business and industry certifications as well as advanced placement and direct college credits! Participate in Microsoft IT Academy, Certified Internet Webmasters partnership, and earn master certificate in Microsoft Office! Develop oral and written communications, problem-solving and critical thinking skills, career preparation, leadership and teamwork skills.

Biotechnology and Environmental Science:

This program is designed to prepare students with the skills necessary to successfully enter one or more of the following career areas:

- Animal Systems
- Environmental Systems
- Natural Resources Systems
- Plant Systems

Agribusiness and marketing skills, customer service, and biotechnology are provided as a significant portion of all curriculum areas. Technology is an important component of the curriculum in the areas of aquaculture, hydroponics, tissue culture, and data transmission networking (meteorology, commodities and futures trading).



The curriculum also includes greenhouse, organic garden, landscape management, schoolyard wildlife habitat, rain forest, animal laboratory, floristry, poultry habitat, and small business management.

Engineering/Emerging Technologies:

Successfully enter engineering and engineering technology careers:

- Automated Material Handling (Robotics)
- Computer Numeric Controls (CNC)
- Design and Engineering
- Design Processes (CAD)
- Electricity/Electronics
- Fluid Power (Hydraulics/Pneumatics)
- Manufacturing Processes (Machining)
- Quality Assurance/Testing
- Welding/Fabrication



Acquire intensive, hands-on preparation, develop engineering skills, and experience competency-based, computerized modules! Discover advanced technologies such as: Virtual Stimulation, Computerized Control Systems, CNC Machining, Metrology, and Electronic Controls!



OaklandSchools
TECHNICAL CAMPUS NORTHWEST

OTHER POPULAR CLUSTERS



Construction Technology:

Learn how to work in all areas of construction! Develop a career in:

- Air Conditioning
- Cabinet Maker
- Carpentry (Rough and Finish)
- Concrete Specialist
- Electrical
- Heating
- Interior Trim
- Masonry
- Paint Specialist
- Plumbing
- Professional Services
- Refrigeration
- Residential Home Repair
- Ventilation

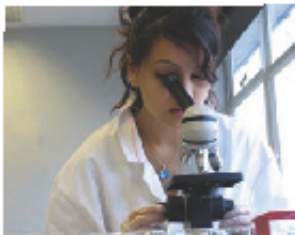
Opportunities to earn math credit, develop effective interpersonal skills in problem-solving, communication, and team building!



Culinary Arts/Hospitality:

Prepare for a broad background of skills and knowledge in culinary arts/hospitality, using industry quality tools, equipment and technology! Learn to be productive, effective and professional in a modern commercial kitchen by learning:

- Catering Services
- Cooking Processes
- Financial Management
- Food and Beverage Preparation
- Industry Application
- Lodging
- Maintaining Inventory
- Menu Design
- Placing Orders
- Restaurant Operations
- Scheduling
- Staffing
- Travel/Tourism



Health Sciences:

Prepare for exciting health careers! Develop skills towards becoming a(n):

- Dental Assistant
- Dietary Assistant
- EKG Technician
- Medical Assistant
- Medical Records Assistant
- Nursing Assistant
- Occupational Therapy Aide
- Pharmacy Technician
- Phlebotomist
- Physical Therapy Aide
- Registered Nurse
- Respiratory Therapy Aide
- Sports Medicine Trainer
- Veterinary Aide

Attain core and foundation skills, including safety, anatomy and physiology, asepsis, ethics, medical terminology, and office management! Opportunity to earn math and/or science credit!



Transportation Technology:

Participate in an intensive, hands-on program that will prepare you to enter various transportation careers:

- Auto Collision Repair and Refinishing
- Gas and Diesel Engine Theory
- Basic Mechanical Principles
- Use of Computerized Diagnostic Tools/Equipment

Gain competency in two-stroke and four-stroke engine theory; diagnosis and troubleshooting; engine performance; electricity and electronics; collision repair and refinishing; power equipment operation; laboratory orientation; marine/motorcycle service and repair; precision measuring; and use of pneumatic and hydraulic tools and equipment. Learn within a National Automotive Technicians Education Foundation (NATEF) certified facility and be taught by nationally recognized International Conference of Automotive Repair (I-CAR) and Automotive Service Excellence (ASE) certified instructors.

Visual Imaging Technology:

Acquire advanced instruction and intensive, hands-on learning in visual imaging technology through academics, technical and workplace skills! Learn:

- Advertising Design
- Audio/Video
- Customer Service
- Design Communications
- Graphic Communication
- Graphic Layout
- Interactive Media Design
- Leadership
- Multi-Media/Animation
- Press Operating and Bindery
- Press Operations
- Screen Printing
- Teamwork

Train for careers that communicate ideas and information to the public.



Want to learn more about OSTC?
Visit www.OSTCOnline.com!

Call your Northwest
OSTC counselor
at 248.922.5800!

Get Academic Credits!

Will OSTC Fit Into My Schedule?

Yes, get math and science academic credit! OSTC courses utilize collaborative teaching by highly-qualified instructors. Contact your high school counselor to find out more about acquiring academic credits through OSTC.

Oakland Schools Technical Campuses (OSTC)

are where technology-based learning connects your dreams and goals with career success. Multi-million dollar facilities bring you cutting-edge technology and a comprehensive curriculum. Dedicated staff offer customized learning based on your career goals:

- Find your direction and flourish
- Fulfill high school graduation requirements
- Earn college credits
- Transition smoothly into your future
- Make new friends

By the way, OSTC's free to you and your school!

Select from up to nine Career Clusters at four different Technical Campuses, preparing you for emerging industries and other popular fields. Attend half-day classes during your junior and senior years, and learn skills that help you get ready for a successful future.

Prepare for a competitive, global marketplace In this ever-changing world and economy, proactive high school students in Oakland County attend OSTC to prepare for a successful future:

- Actively engage and feel empowered
- Experience self-directed and small group learning
- Explore exciting careers reflecting your interests
- Learn with the latest software, equipment, processes and teachings

"Visual imaging gives me the chance to be who I want to be. Through OSTC, I learn what may be expected of me as a designer, while helping me develop into one. I access software used by real designers and get to use a variety of supplies and acquire advice and support from my teachers. If you love art and design and wish to learn more, attending this program is one of the best moves you can make."

Samantha Papuga
Holly High School
Visual Imaging



Want more information on OSTC?
Visit www.OSTCOnline.com, and call your
Northwest OSTC counselor at 248.922-5800!

Oakland Schools Technical Campus Northwest is located at
8211 Big Lake Road, Clarkston, MI 48346. Call OSTC Northwest at 248.922.5800.

OSTC
Discover your passion
Create your dream



Students can be bused from their high school to the technical campus.

Other OSTC campuses include most of the same clusters as Northwest, in addition to Cosmetology at the Northeast campus.

Northeast Campus welcomes students from Avondale, Lake Orion, Oxford, Pontiac, and Rochester schools. Call 248.451.2700. 1371 North Perry Street, Pontiac, MI 48340.

Southeast Campus welcomes students from Berkley, Birmingham, Bloomfield Hills, Clawson, Ferndale, Hazel Park, Lamphere, Madison Heights, Oak Park, Royal Oak, Southfield and Troy schools! Call 248.288.4020 5055 Delemere Street, Royal Oak, MI 48073.

Southwest Campus welcomes students from Clarenceville, Farmington, Huron Valley, Northville, Novi, South Lyon, Walled Lake and West Bloomfield schools! Call 248.668.5600, 1000 Beck Road, Wixom, MI 48393



Oakland Schools does not discriminate on the basis of sex, race, color, national origin, religion, height, weight, marital status, sexual orientation (subject to the limits of applicable law), age, genetic information or disability in its programs, services, activities or employment opportunities. Inquiries related to employment discrimination should be directed to the Director of Human Resources at 248.209.2059, 2111 Pontiac Lake Road, Waterford, MI 48328-2736. For all other inquiries related to discrimination, contact the Director of Legal Affairs at 248.209.2062, 2111 Pontiac Lake Road, Waterford, MI 48328-2736.

Oakland Schools Technical Campus Northeast
1371 N. Perry, Pontiac, MI 48340
Cosmetology Programs

- Cosmetology
 - 2-year, 1500-hour program
 - Summer School **before** Junior Year (summer school tuition charged)
 - Traditional 2 ½ hour session Junior Year
 - Summer School **between** Junior and Senior Year (summer school tuition charged)
 - Extended Session (5 hours per day, 11:20 – 4:20) during Senior Year
 - Completion of 1500 hours before June 30 of graduating year

- Nail Technology
 - 1-Year Program
 - 400 Hours Required
 - Eligible to Test for State Licensure
 - Offered During the Traditional 2 ½ hour OSTC Session (AM or PM)

- Esthetics / Skin Care
 - 1-Year Program
 - 400 Hours Required
 - Eligible to Test for State Licensure
 - Offered During the Traditional 2 ½ hour OSTC Session (AM or PM)

EXPLANATION OF CREDITS OAKLAND SCHOOLS TECHNICAL CAMPUS

Program	Embedded Credit (earned as a part of the program)	Additional Optional Credits that can be earned while attending OTC
Biotech	All 1 st year students in the program earn 1.0 credit in the Science of Biotech (a science credit, but it does not fulfill a science graduation requirement)	*Can earn a credit in Algebra II, English 12 or Geometry (in the AM session at OTC only) Can earn a 4 th year math credit (in the AM or PM session) The math credit CAN be used as the 4 th year math credit required for graduation.
BMMT	All seniors will earn a math credit called Business Math, which CAN be used as the 4 th year of math credit needed as a senior toward graduation.	*Can earn a credit in Algebra II, English 12 or Geometry (in the AM session at OTC only)
Construction	Not Applicable	* Can earn a credit in Algebra II, English 12 or Geometry (in the AM session at OTC only) If a student elects the Building Maintenance part of the Construction program or 2 nd year Carpentry students that choose to work off-site are NOT eligible for the credit in Algebra II, English 12 or Geometry. 4 th year math is available to ALL Seniors if they are on or off-site during either AM or PM sessions.
Cosmetology	Students can earn up to 32 college articulation credits if they attend Oakland Community College if they get their license and pass state boards. Students must start the program in the summer between the 10 th and 11 th grade in order to complete the entire program by the end of the Senior year. If they don't complete the program or start later than the summer, they will have to transfer the credits and hours they have completed to another private cosmetology school in order to receive a license. Students can earn a credit in Chemistry which can be used toward their graduation requirements.	
Culinary		*Can earn a credit in Algebra II, English 12 or Geometry (in the AM session at OTC only) Can earn a 4 th year math credit (in the AM or PM session) The math credit CAN be used as the 4 th year math credit required for graduation.
Engineering	Juniors can earn 3 rd year of science credit called Technical Physics, which can be used as the Physics credit for Graduation. Seniors can earn a 4 th year math called Math for Engineering. If a 1 st year senior needs the 3 rd science instead of the 4 th year of math, OTC will accommodate it but they CAN NOT earn both credits at the SAME time.	*Can earn a credit in Algebra II, English 12 or Geometry (in the AM session at OTC only)
Health Sciences	All 1 st year students in the program, regardless of grade, will earn a science credit for 1 full year of Anatomy and Physiology, which can be used toward the graduation requirement. This class can also be used as the ½ credit of health required for graduation.	*Can earn a credit in Algebra II, English 12 or Geometry (in the AM session at OTC only) 4 th year math requirement for Seniors can be completed in this program during the AM or PM sessions.

EXPLANATION OF CREDITS OAKLAND SCHOOLS TECHNICAL CAMPUS

Nails and Skin Care	This is a 1 year program and students do not earn any additional credits as part of the program.	
Transportation		*Can earn a credit in Algebra II, English 12 or Geometry (in the AM session at OTC only) 4 th year math requirement for Seniors can be completed in this program during the AM or PM sessions.
Visual Imaging		Can earn a credit in Algebra II, English 12 or Geometry (in the AM session at OTC only) 4 th year math requirement for Seniors can be completed in this program during the AM or PM sessions.

*These classes are offered as a “pull-out” which means that the student is taken out of the actual time in their elected program to work with a highly-qualified and certified teacher for 40 minutes, 4 days per week for Math and 5 days per week for English 12.

The Algebra II, English 12 or Geometry credit earned at OTC CAN be used toward the graduation requirement in math.

As part of the OTC program, all students earn 1.5 credits. If they are pulled out for a separate academic credit or if they earn an embedded credit, it is all part of the 1.5 credits earned.

Example: Engineering Program; ½ credit of Engineering, ½ credit of Physics and ½ credit of a pull-out Math or English OR 1.0 credit of Engineering and ½ credit of Physics PER SEMESTER. Please ask your Counselor how the credits you elect will apply to the program that you choose.

You must inform your school counselor at Mott or Kettering during pre-enrollment, if you want to earn any of the “additional” credits at OTC and they will inform OTC of this request.

**WATERFORD SCHOOL DISTRICT
NONDISCRIMINATION ASSURANCE**

The Waterford Board of Education will comply with all federal laws and regulations prohibiting discrimination and with all requirements and regulations of the U. S. Department of Education. No person on the basis of race, color, religion, national origin or ancestry, age, sex, disability, height and weight, or marital status shall be discriminated against, excluded from participation in, denied the benefits of, or otherwise be subjected to discrimination in any program, activity, or event.

Inquiries related to Title VI of the Civil Rights Act of 1964, Section 504 of the Rehabilitation Act of 1973, Title II of the Americans with Disabilities Act, and Title IX of the Education Amendments of 1973 should be directed to the appropriate compliance officer.

Title IX of the Education Amendments of 1973

Inquiries Regarding Personnel:
Human Resources

Waterford School District
501 N. Cass Lake Road
Waterford, Michigan 48328
Phone (248) 682-7800

Title VI of the Civil Rights Act of 1964

Human Resources
Waterford School District
501 N. Cass Lake Road
Waterford, Michigan 48328
Phone (248) 682-7800

Inquiries Regarding Programs/Courses/Students-
Elementary:

Supervisor of Elementary Education
Waterford School District
501 N. Cass Lake Road
Waterford, Michigan 48328
Phone (248) 682-7800

Title II of Americans with Disabilities Act &
Section 504 of the Rehabilitation Act of 1973

Executive Director of Student Support Services
Waterford School District
501 N. Cass Lake Road
Waterford, Michigan 48328
Phone (248) 682-3242

Inquiries Regarding Programs/Courses/Students –
Middle/High School:

Supervisor of Secondary Education
Waterford School District
501 N. Cass Lake Road
Waterford, Michigan 48328
Phone (248) 682-7800

GRIEVANCE PROCEDURES FOR NONDISCRIMINATION:

Section I

Any person who believes that s/he has been discriminated against or denied equal opportunity or access to programs or services may file a complaint, which shall be referred to as a grievance, with the District's Civil Rights Coordinator:

Assistant Superintendent of Business and Human Resources
Waterford School District
501 N. Cass Lake Road
Waterford, MI 48328
248-682-7800

The individual may also, at any time, contact the U. S. Department of Education, Office of Civil Rights, 600 Superior Avenue, Room 750, Cleveland, Ohio 44114-2611.

Section II

The person who believes s/he has a valid basis for grievance shall discuss the grievance informally and on a verbal basis with the District's Civil Rights Coordinator, who shall in turn investigate the complaint and reply with an answer to the complainant. S/He may initiate formal procedures according to the following steps:

Step 1

A written statement of the grievance signed by the complainant shall be submitted to the District's Civil Rights Coordinator within five (5) business days of receipt of answers to the informal complaint. The Coordinator shall further investigate the matters of grievance and reply in writing to the complainant within five (5) business days.

Step 2

If the complainant wishes to appeal the decision of the District's Civil Rights Coordinator, s/he may submit a signed statement of appeal to the Superintendent of Schools within five (5) business days after receipt of the Coordinator's response. The Superintendent shall meet with all parties involved, formulate a conclusion and respond in writing to the complainant within ten (10) business days.

Step 3

If the complainant remains unsatisfied, s/he may appeal through a signed written statement to the Board of Education within five (5) business days of his/her receipt of the Superintendent's response in step two. In an attempt to resolve the grievance, the Board of Education shall meet with the concerned parties and their representative within twenty (20) business days of the receipt of such an appeal. A copy of the Board's disposition of the appeal shall be sent to each concerned party within ten (10) business days.