TCAPS High School Course Offerings

TCAPS
Traverse City Area Public Schools
Great Community, Great Schools

2023-2024 COURSE SELECTION GUIDE



Courses offered at Traverse City High School can also be located within this course guide.

Traverse City Area Public Schools

Mission

TCAPS educates, inspires, and supports all learners to maximize individual excellence and success.

Vision

TCAPS is an educational community providing opportunities and resources to relentless support all learners in achieveing their full potential.

Prohibition of Discriminatory Practices

The Board of Education is committed to a policy of non-discrimination in the Traverse City Area Public Schools District. Such policy shall be consistent with state and federal statutes, which apply to public schools. Traverse City Area Public Schools does not discriminate on the basis of race, color, national origin, sex (including sexual orientation and transgender identity), disability, age (except as authorized by law), religion, military status, ancestry, (collectively, "protected classes"), in its educational programs or activities.

It is the policy of the Traverse City Area Public Schools District to comply with Title IX of the Education Act Amendment of 1972, Section #504, of the Rehabilitation Act of 1973, Title VI of the Civil Rights Act of 1964, and Michigan law. The Board shall strive to accommodate the handicapped by making buildings accessible in regard to public meetings, voting precincts, and educational programs. Further, the Board designates individuals in the following positions as compliance officers for the aforementioned regulations: Title IX (discrimination based on sex) and Title VI (discrimination based on race, color, national origin, religion, age, height, weight, arrest record, or marital status): Coni Taylor, Associate Superintendent of Labor Relations and Legal Services.

Table of Contents

General Information

Course Scheduling

The courses in this catalog will be scheduled only if registration figures indicate a sufficient enrollment demand for the course. While every attempt is made to make the printed version of these course guide books as accurate as possible, some changes may be made between the time of printing and the time that a student registers for classes. Any changes made will be reflected on the electronic version of this book, which will always be available on our school's website.

Before planning the high school program, students are to review graduation requirements with their parents. During the second semester of each school year, students meet with their counselors to discuss and finalize their course selections for the following year. At this time, counselors urge students to examine their 4-year high school plan, taking into consideration their personalities, interests, abilities, and post-secondary education and career plans.

Schedule Change Request and Withdrawal

Every effort is made to determine the most appropriate courses for students commensurate with their needs, interests, and abilities. Course assignments are arranged to accommodate courses selected by students. Therefore, any request for a schedule change will be considered only for the most compelling of reasons. Such reasons are: (1) Your schedule does not include the courses and alternate courses previously approved by parents and counselor. (2) Your schedule does not include a required class, which must be made this year. If your schedule contains such an error or omission, see your counselor before regular classes begin in the fall. During the year, withdrawals from courses and schedule changes are quite rare, but may be justifiable under certain circumstances.

The following guideline applies:

Any decisions regarding withdrawals from scheduled courses must adhere to the student handbook guidelines. The principal has the final authority to drop or add a student's class(es).

The intent of this policy is to arrive at decisions in the best interest of the student based on the involvement of both the student and parents, and the judgment of the professional staff. The process also seeks to prevent students from sampling subjects without providing sufficient effort required for successful achievement.

Secondary Programs

Test Out

High school students may request the opportunity to "test out" of any high school class they select that they have taken before. A student who successfully tests out of a course will receive credit toward graduation for the course. The test out grade will simply be a "pass" and will not be included in the calculation of a student's grade point average. The option to test out will be offered in the spring of each year. Students interested in pursuing "test out" opportunities are encouraged to discuss the option with their counselors. To test out, students are expected to produce the same quality of work as students who attend the class and score a 78% or higher on the test out exam. More information at www.tcaps.net/testout.

Traverse City High School

TCAPS is proud to offer an alternative high school for area-wide students whose needs may be best met in a non-traditional school setting. Traverse City High School (TCHS) focuses on students' needs and abilities, while offering a flexible individualized approach for the successful completion of high school and entry into the workforce. Additional programs at Traverse City High School include the Infant Toddler Child Care Program for student parents, Indian Education Program, Students in Transition Empowerment Program (STEP), and Drug Free Schools and Prevention Services. When a student enrolls at Traverse City High School, the student will work with school staff to develop their learning plan. All courses offered at Traverse City High School can also be located within this course guide, however, the duration of the courses will vary at TCHS. More information at www.tcaps.net/tchs.

Virtual Courses

In light of the COVID-19 pandemic, in the summer of 2020, TCAPS greatly increased its capacity for students to take virtual courses. The demand for virtual programming was such that TCAPS was able to offer the UpNorth Virtual program. Virtual offerings may continue to be available through this program, pending student interest and enrollment.

UpNorth Virtual has both on demand and live learning options. In UpNorth Virtual, pending enrollment, live classes are offered that follow our normal school schedule. Students commit to attending live classes and attendance is taken.

For the purposes of scheduling and staffing, we ask that families commit to virtual programming as soon as possible. After students have selected courses, counselors will meet with them on an individual basis to determine their interest in virtual programming for the 2023-2024 school year. We also recognize circumstances may change, and will work within the best interest of each student should the need arise to move from one platform to another at the end of the first semester.

For a complete list of virtual courses, both live and on demand through the Edgenuity platform, an electronic course guide may be found at https://www.tcaps.net/programs/upnorthvirtual/.

Please note virtual learning is not always an appropriate educational option. TCAPS will make placement decisions for the UpNorth Virtual Learning program based on the individual learning needs of each student. Students who previously struggled with online learning or require more intensive assistance than currently available through the UpNorth Virtual platform will be reviewed on a case-by-case basis for enrollment.

Work Experience Program

The Work Experience Program is a work-based learning program coordinated by the school with an employer providing an educational experience related to the school instruction. Students can earn up to a full credit in this course depending upon the hours worked. Students must be concurrently or previously enrolled in a job-related academic course during the same academic year to gain credit for work experience. To enroll in this course students and employers must fill out the Work-Based Education Programs Training Agreement. See your counselor for more details.

Northwest Education Career Tech

Northwest Education Career Tech programs (grades 11-12) offer an educational block of time designed to assist students in pre-vocational training, reading, writing, and mathematics skills, in addition to on-site career exploration. For further information, contact the Career-Tech Center at 231-922-6320.

Special Education

Special Education courses are designed for students certified as physically or otherwise health impaired, mentally impaired, learning disabled, hearing impaired, emotionally impaired, or speech and language impaired. Support is offered in language arts, science, math, social studies and basic learning skills, improving social behavior, and communication skills. The high schools provide a continuum of Special Education programs to meet the individual needs of students in the least restrictive setting. All programs operate according to state and federal mandates.

TCAPS Graduation Requirements

Language Arts

Grade	Credits	Class
9th	1 credit	English Language Arts-9 or (Honors) Required
10th	1 credit	English Language Arts-10 or (Honors) Required
11th	1 credit	Choose from the following courses: English Language Arts-11 AP Language & Composition AP Literature & Composition
12th	1 credit	Choose from the following courses: English Language Arts-12 AP Language & Composition AP Literature & Composition
Total	4 credits	Required 9th-12th

Mathematics

Grade	Credits	Class
9th	1 credit	Algebra I or Geometry
10th	1 credit	Geometry or Algebra II
11th-12th	1 credit each year (total of 2 credits)	Choose from the following courses: Algebra II or (Honors) Trig/Pre-Calc or (Honors) AP Calc AB AP Calc BC AP Statistics Math College Placement Prep Intro to Statistics (Acct. I, Acct. II, Personal Economics and Finance, and/or AP Comp Science may satisfy the MMC requirement for the one math course taken in the final year of high school.)
Total	4 credits	Required 9th-12th must include Algebra I, Geometry, and Algebra II

Science

Grade	Credits	Class
9th	1 credit	Biology or (Honors)
10th	1 credit	Choose from the following courses: Environmental Science Chemistry or (Honors) Physics or (Honors)
11th-12th	1 credit	Choose from the following courses: Environmental Science AP Environmental Science Forensic Science Nutrition Science Anatomy & Physiology Physics AP Biology AP Chemistry
Total	3 credits	Required 9th-12th (must include Biology, Chemistry, or Physics as well as a third year of science)

Social Studies

Grade	Credits	Class
9th	1 credit	U.S. History & Geography or (Honors)
10th	1 credit	Choose from the following courses: World History & Geography AP World History
11th-12th	.5 credit	Choose from the following courses: Economics Personal Economics and Finance
	.5 credit	Choose from the following courses: Civics AP U.S. Gov't & Politics
Total	3 credits	Required 9th-12th

*If a student chooses to increase the academic rigor of his/her schedule by taking more than the required math, science, English language arts, and/or world language credits, he/she may modify the following requirements with those extra academic credits:

1 Health and Physical Education Credit
1 Social Studies Credit (.5 Civics would still be required)
1 Visual, Performing and Applied Arts Credit

If a Personal Curriculum is required, please contact your school counselor for more information.

TCAPS Graduation Requirements

World Languages

Grade	Credits	Class
6th-12th	2 credits	Same World Language during 9th-12th grade or equivalent learning experience K-12th.

(Students may substitute additional VPAA courses or a CTE program for the 2nd world language credit.)

Visual, Performing, and Applied Arts (VPAA)

Grade	Credits	Class
9th-12th	1 credit	VPAA Course

Health & Physical Education

9th-12th	.5 credit	Health & Physical Education (HPE)
9th-12th	.5 credit	Any other PE Elective
Total	1 credit	Required 9th-12th

College Credit Opportunities

Dual Enrollment

The Dual Enrollment program offers students, who qualify, an opportunity to enroll in college level courses. Qualifying students are eligible to earn tuition-free college credit in approved courses while completing their high school education. This guide includes some college courses available to students on their high school campus. Dual enrolled students must complete the dual enrolled application process on the student services page by the published deadlines.

In addition, TCAPS' Advanced Placement (AP) courses earn NMC college credit when AP Exam results meet specified scores. Not all colleges and universities recognize dual enrollment credit. Meet with your high school counselor for more details. For a complete list of approved courses, visit NMC's website at https://bit.ly/37gfJT9

Northwest Education Services Career Tech Early College Program

Students who enroll in select programs at Northwest Education Career Tech are eligible to apply for admission into the Early College Program in the spring of their sophomore year. Students will be selected for participation in accordance with Northwestern Michigan College and Ferris State University admission requirements. Early college students who qualify will work with advisory personnel to select a sequence of high school and college courses leading to completion of the Michigan Merit Curriculum requirements, as well as Associates Degree or technical certificate and/or a minimum of 32 transferable college credits upon successful completion of the program. Interested students should can get more information from their high school counselors.

TCAPS Early College Program with NMC

Join the TCAPS Early College Program!

Early College provides students with a defined "pathway" of courses through high school and college that, if completed successfully, results in the student earning both a high school diploma and an associate degree from NMC. Early College students receive their high school diploma after their 5th year.

How does it work?

- Set up a meeting with your high school counselor.
- Fill out an online application form at www.nmc.edu/apply.
- Send your school transcript to NMC through www.parchment.com.
- Submit an essay to Jason Smith (two paragraphs long) on why you want to enroll in the Early College Program.

Jason Smith
NMC-International/Domestic Recruiter and Advisor
Phone: (231) 995-1082
Email: jasmith@nmc.edu
Office: Tanis Building ML

Learn more at www.tcaps.net/earlycollege.

Dual Enrollment	Early College
Choose pre-approved classes from NMC with counselor	"Pathway" of high school and college classes defined for you
High school pays for pre-approved classes	High school pays for classes
Earn up to 30 college credits before graduation	Graduate with an associate degree from NMC and a high school diploma (5th year)

Note: Early College/Dual Enrollmemt may still not exceed 1.0 FTE courses. See your counselor to determine the exact number of credits you can take.

College Credit Opportunities

Advanced Placement (AP)
(Program of the College Board)

This rigorous program exposes high school students to college-level material through involvement in an AP course and gives students the opportunity to show they have mastered the material by taking an optional exam. All AP students are strongly encouraged to take the AP exam(s). Scholarships for the exam(s) are available through the counseling office. Colleges and universities may then grant credit, placement, or both, to students (based on qualifying scores). Although the AP exam is an assessment for college credit, it is only one component. The AP program allows students to learn a subject in greater depth, practice higher-level thinking skills, lay the groundwork for future challenges, and acquire the self-discipline necessary for high academic achievement. AP classes offered at the high school this year include (See course description in each department section. Offerings are based on student demand.):

- AP Biology
- AP Calculus/AB
- AP Calculus/BC
- AP Chemistry
- AP Computer Science
- AP English Language and Composition
- AP English Literature and Composition
- AP Environmental Science
- AP European History
- AP History - United States
- AP Human Geography
- AP Music Theory
- AP Psychology
- AP Statistics
- AP Studio Art-Drawing
- AP Studio Art-2-D Design
- AP Studio Art-3-D Design
- AP Studio Art-Photography
- AP United States Government & Politics
- AP World History

Advanced Placement classes will be weighted on a 5.0 GPA scale and posted after each semester in a student's TCAPS Scholarship GPA (for external use only).

Business Enthusiasts
Earn Free College Credit While in High School

The TCAPS Business Education Department is excited to offer the opportunity for college credit (articulation) at NMC or Davenport University for students who receive a B+ or higher in the selected high school business courses:

(Articulation is a method of granting university-level course credit for learning and skills accomplished as part of secondary school instruction.)

Traverse City West & Central High Schools	Northwestern Michigan College (NMC)	Davenport University
Accounting I and II	ACC 121 Accounting Principles (4 credits)	ACCT 201 Accounting Foundations (4 credits)
Business Technology A and B	CIT 100 Computers in Business (3 credits)	CISP 100 Introduction to Computers (3 credits)
Marketing-How to Start a Business and Marketing-Advertising		MKTG 211 Marketing Foundations (3 credits)

MICHIGAN CAREER DEVELOPMENT ZONES/PATHWAYS/CLUSTERS

Marketing
- Merchandising
- Marketing Management
- Marketing Communications
- Marketing Research
- Professional Sales

Business, Management, & Administration
- Administrative Support
- Operations Management
- Business Information Management
- Human Resources Management
- General Management

Hospitality and Tourism
- Lodging
- Recreation, Amusements and Attractions
- Restaurants and Food/Beverage Services
- Travel and Tourism

Finance
- Banking Services
- Business Finance
- Securities and Investment
- Accounting
- Insurance

Information Technology
- Information Support & Services
- Network Systems
- Programming & Software Development
- Web & Digital Communications

Health Science
- Biotechnology Research and Development
- Diagnostic Services
- Support Services
- Health Informatics
- Therapeutic Services

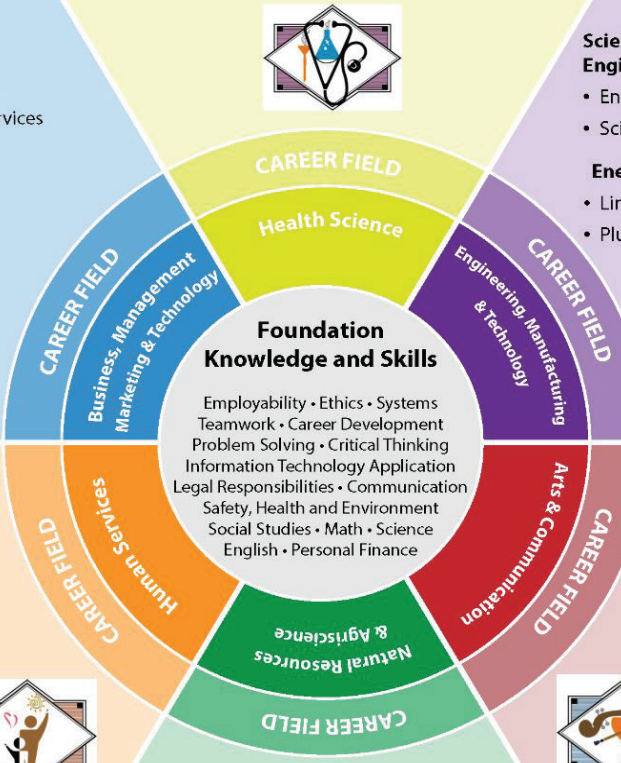
Architecture and Construction
- Construction
- Design/ Pre-construction
- Maintenance/ Operations
- Construction Management

Manufacturing
- Production
- Manufacturing Production Process Development
- Maintenance, Installation, and Repair
- Quality Assurance
- Logistics and Inventory Control
- Health, Safety, and Environmental Assurance

Science, Technology, Engineering, and Mathematics (STEM)
- Engineering and Technology
- Science and Mathematics

Energy
- Line Worker
- Plumbing - Pipefitter

Transportation, Distribution, and Logistics
- Facility and Mobile Equipment Maintenance
- Health, Safety, and Environmental Management
- Logistics Planning and Management Services
- Sales and Services
- Transportation Operations
- Transportation Systems/Infrastructure Planning, Management, and Regulation
- Warehousing and Distribution Center Operations



Law, Public Safety, Corrections, and Security
- Correction Services
- Emergency and Fire Management Services
- Law Enforcement Services
- Legal Services
- Security and Protective Servicess

Government and Public Administration
- Revenue and Taxation
- Foreign Service
- Governance
- National Security
- Planning
- Public Management and Administration
- Regulations

Human Services
- Consumer Services
- Counseling and Mental Health Services
- Early Childhood Development and Services
- Family and Community Services
- Personal Care Services

Education and Training
- Administration and Administrative Support
- Professional Support Services
- Teaching/Training

Agriculture, Food, and Natural Resources
- Animal Systems
- Agribusiness Systems
- Environmental Service Systems
- Food Products and Processing Systems
- Natural Resources Systems
- Plant Systems
- Power, Structural, and Technical Systems

Arts, Audio/Video Technology, and Communications
- Audio/Video Technology and Film
- Journalism and Broadcasting
- Performing Arts
- Printing Technology
- Telecommunications
- Visual Arts

TCAPS
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Great Community, Great Schools

MICHIGAN'S HOT 50
JOB OUTLOOK THROUGH 2028

"Choose a job you love, and you will never have to work a day in your life." - Confucius

ARTS & COMMUNICATION
Art, Audio/Video Technology and Communications

Careers in this path are related to the humanities and performing, visual, literary, and media arts. These include architecture; graphic, interior, and fashion design; writing; film; fine arts; journalism; languages; media; adver sing; and public rela ons.

Are you a creative thinker? Are you imaginative, innovative, and original? Do you like to communicate ideas? Do you like making crafts, drawing, playing a musical instrument, taking photos, or writing stories? This may be the Career Path for you!

MICHIGAN'S HOT 50
JOB OUTLOOK THROUGH 2028

Career Pathway Electives

Applied Visual Arts	History of Sports & Social Issues Honors	Public Speaking
Architectural Drawing	Debate	School Newspaper
Bel Canto	Intro to Statistics	Sculpture
Broadcast Comm II	Introduction to Engineering and	Stagecraft
Cantate	Architectural Design	Statistics (AP)
Ceramics	Jazz Band	Student Senate (elected)
Choral-Aires	Library/Media Center Course	Studio Art (AP)
Chorale	Metals/Jewelry	Symphony Band
Computer Art	Model United Nations Honors	Symphony Orchestra
Computer Science Principles (AP)	Music Theory (AP)	Theatre Arts I-III
Con Brio	Painting	Video (Television) Production
Concert Band	Percussion Ensemble	Wind Ensemble
Creative Writing	Philharmonic Orchestra	World Languages
Drawing	Photography	Writing Studio
		Yearbook

Potential Careers

High School Diploma	Community/Technical College	College/University
Vocational Background or On-The-Job Training	Certificate, Apprenticeship, or Associate Degree	Undergraduate, Graduate or Post-Graduate Degree
Actor	Copywriter	Art/Music Teacher
Artist	Florist	Art/Music Therapist
Choreographer	Graphic Designer	Book Publisher
Craftsperson	Interior Designer	Commercial Artist
Dancer	Jeweler	Graphic Artist
Floral Designer	Landscape Architect	Journalist/Photojournalist
Illustrator	Makeup Artist	Language Interpreter
Musician	Photographer	Literary Agent
Ornamental Metal Worker	Recording/Sound Engineer	TV News Anchor
Set Designer	Script Writer	Web Developer
Sign Painter	TV & Film Production	Writer
Visual Merchandiser	Web Developer	

Career Preparation & School & Community Activities

College Application Support	(EDP)/Talent Portfolio	Resume Skills/Mock Interviews
Career Internship	Job Shadowing	Site Visits
College Fair & Visits	Mentoring	Volunteer in career related areas
Educational Development Plan	MiCareer Quest Northwest	Work Experience

BUSINESS MANAGEMENT, MARKETING AND TECHNOLOGY

Business, Management & Administration - Finance - Hospitality & Tourism
Information Technology - Marketing

Careers in this path are related to the business environment. These include entrepreneur, sales, marketing, computer/information systems, finance, accounting, personnel, economics, and management.

Do you enjoy being a leader, organizing people, planning activities, and talking? Do you like to work with numbers or ideas? Do you enjoy carrying through with an idea and seeing the end product? Do you like things neat and orderly? Would you enjoy balancing a checkbook, following the stock market, holding an office in a club, or surfing the Internet? This could be your Career Path.

Career Course Electives

Accounting I & II	Computer Science Principles (AP)	Public Speaking
Business Technology (B.T.) A & B	Interior and Fashion Design	SMT Trig/Pre-Calc
Calculus/A.B. (AP)	Intro to Statistics	Statistics (AP)
Calculus/B.C. (AP)	Marketing: Advertising	Student Senate (elected)
Career Internship - Student Tech	Marketing: How to Start a Business	Trigonometry / Pre-Calculus
	Personal Economics and Finance	Trigonometry Pre-Calculus-(Honors)

Potential Careers

High School Diploma	Community/Technical College	College/University
Vocational Background or On-The-Job Training	Certificate, Apprenticeship, or Associate Degree	Undergraduate, Graduate or Post-Graduate Degree
Administrative Assistant	Accounting Clerk	Accountant and Auditor
Bank Teller	Administrative Assistant	Computer and Info Sys Manager
Bookkeeper	Business Sales	Database Administrator
Computer Data Entry	Computer Network Support Specialists	Financial Analyst/Manager
Computer Support	Computer User Support Specialist	General and Operations Manager
Customer Service Representative	Court Reporter	Human Resources Manager
Food Service	Entrepreneur	Loan Officer
Payroll Clerk	Fashion Merchandising	Management Analyst
Postal Clerk	Hotel Management	Market Research Analyst
Retail Sales	Insurance Sales	Marketing Manager/Specialist
Tour Guide	Agent Paralegal/Legal Assistant	Network and Computer Sys Admin
Travel Agent	Sales Representative	Personal Financial Advisor
	Non-Technical Web Developer	Sales Manager/Representative
		Web Developer

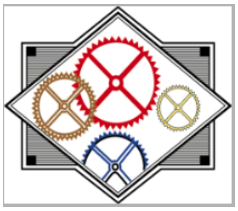
Career Preparation & School & Community Activities

College Application Support	(EDP)/Talent Portfolio	Mock Interviews
Career Internship	Job Shadowing	Resume Skills
College Fair & Visits	Mentoring	Volunteer in career related areas
Educational Development Plan	MiCareer Quest Northwest	Work Experience

ENGINEERING, MANUFACTURING & TECHNOLOGY

Architecture & Construction - Science Technology, Engineering and Mathematics (STEM)
Transportation, Distribution, and logistics - Energy

MICHIGAN'S HOT 50
JOB OUTLOOK THROUGH 2028



Careers in this path are related to technologies necessary to design, develop, install, and maintain physical systems. These include engineering, manufacturing, construction, service, and related technologies.

Are you a creative thinker? Are you mechanically inclined, creative and practical? Do you like reading diagrams and blueprints, and drawing building structures? Are you curious about how things work? Would you enjoy painting a house, repairing cars, wiring electrical circuits, or woodworking? This may be the career path for you!

Career Pathway Electives

Advanced Engineering and Design	Computer Aided Drafting/Design	Physics
Architectural Drawing	Computer Science Principles (AP)	Physics (Honors)
Calculus A.B. (AP)	Drones, Mapping, CAD, & Storytelling	Robotics
Calculus B.C. (AP)	Engineering Problem Solving	SMT Advanced Scientific Research
Chemistry	Engineering/Technology	SMT Measure/Instrumentation
Chemistry (Honors)	Intro to Engineering & Architectural Design	SMT Physics (Honors)
Chemistry (AP)		SMT Prog/Sim/Robotics

Potential Careers & Links to Overview of Career

High School Diploma	Community/Technical College	College/University
Vocational Background or On-The-Job Training	Certificate, Apprenticeship, or Associate Degree	Undergraduate, Graduate or Post-Graduate Degree
Auto Body & Related Repairer	Carpenter	Architect
Auto Technician	Computer-Aided Designer	Architectural & Engineering Manager
Bus & Truck Mechanics and	Electrician	Biomedical Engineer
Diesel Engine Specialists	Engineering Technician	Chemical Engineer
BrickLayer/Mason/Plasterer	Surveyor Technician	Civil Engineer
Computer Numerically Controlled	Facilities Management	Environmental Scientist
Machine Tool Programmer	Heavy & Tractor-Trailer Truck Driver	Commercial & Industrial Designer
Electrical Power-Line Installer	HVAC Mechanic & Installer	Computer Analyst/Programmer
Industrial Machinery Mechanic	Mechanical Drafters	Construction Manager
Machinist	Mechanical Engineering Technician	Electrical Engineer
Roofer	Plumber/Pipefitter/Steamfitter	Industrial Engineer
Security System Installer	Sheet Metal Worker	Industrial Production Manager
Welder/Cutter/Solderer/Brazer	Telecom Equipment Installer	Mechanical Engineer
HVAC Technician	Solar Panel Installer	Project Management Specialist
	Surveyor Technician	Software Developer

Career Preparation & School & Community Activities

College Application Support	(EDP)/Talent Portfolio	Mock Interviews
Career Internship	Job Shadowing	Resume Skills
College Fair/Visits	Mentoring	Site Visits
Educational Development Plan	MiCareer Quest Northwest	Volunteer in career related areas
		Work Experience

HEALTH SCIENCE

Careers in this path are related to the promotion of health and treatment of disease. These include research, prevention, treatment, and related health technologies.

Do you like to care for people or animals who are sick or help them stay well? Are you interested in diseases and in how the body works? Do you enjoy reading about science and medicine? Would it be fun to learn first aid or volunteer at a hospital or veterinary clinic? This may be your Career Path!

MICHIGAN'S HOT 50
JOB OUTLOOK THROUGH 2028

Career Pathway Electives

Anatomy & Physiology	Calculus A.B. (AP)	Introduction to Psychology
Applied Sports Psychology	Calculus B.C. (AP)	Psychology (AP)
Biology	Chemistry	SMT Biology (Honors)
Biology (Honors)	Chemistry (AP)	SMT Chemistry (Honors)
Biology (AP)	Chemistry (Honors)	SMT Trig/Pre Calculus
Biomedical Science	Forensic Science	Trig/Pre Calculus
		Trig/Pre Calculus (Honors)

Potential Careers

High School Diploma	Community/Technical College	College/University
Vocational Background or On-The-Job Training	Certificate, Apprenticeship, or Associate Degree	Undergraduate, Graduate or Post-Graduate Degree
Animal Caretaker	Cardiovascular Technologist & Tech	Chemist
Nursing Assistant	Dental Hygienist	Chiropractor
Dental Assistant	Diagnostic Medical Sonographer	Dentist
Pharmacy Aide	Massage Therapist	Medical & Health Service Manager
Home Health Aide	Medical Assistant Medical	Nurse Practitioner
Medical Office Assistant	Transcriptionist	Nutritionist/Dietician
Personal Care Aide	Paramedic	Occupational Therapist Pharmacist
	Pharmacy Technician	Optometrist
	Physical Therapy	Physical Therapist
	Radiographic Technician	Physician/Surgeon
	Respiratory Therapist Surgical	Physician Assistant
	Technician Veterinary Assistant	Psychologist
		Optometry
		Registered Nurse
		Speech & Language Pathology
		Veterinarian

Career Preparation & School & Community Activities

College Application Support	(EDP)/Talent Portfolio	Resume Skills
Career Internship	Job Shadowing	Site Visits
College Fair	Mentoring	Volunteer at Hospice, Hospital, Nursing
College Visits	MiCareer Quest Northwest	Home, Red Cross
Educational Development Plan	Mock Interviews	Work Experience

HUMAN SERVICES

Government & Public Administration - Education & Training

Law, Public Safety, Corrections & Security - Human Services

Careers in this path are related to economic, political, and social systems. These include education, government, law and law enforcement, leisure and recreation, military, religion, childcare, social services, and personal services.

Are you friendly, open, understanding, and cooperative? Do you like to work with people to solve problems? Is it important to you to do something that makes things better for other people? Do you like to help friends with family problems? Do you like reading, storytelling, traveling, or tutoring young children? This could be your Career Path!

Career Pathway Electives

Applied Sports Psychology	European History (AP)	Model United Nations
ASD Mentoring	History of Sports & Social Issues in US	Psychology (AP)
Civics	Honors Debate	Public Speaking
Computer Science Principles (AP)	Human Geography (AP)	Statistics (AP)
Conflict Resolution thru Inter Com	Introduction to Psychology	Student Senate (Elected)
Crime and Justice	Introduction to Sociology	US Government/Politics (AP)
	Intro to Statistics	United States History (AP)
		World Languages

Potential Careers

High School Diploma	Community/Technical College	College/University
Vocational Background or On-The-Job Training	Certificate, Apprenticeship, or Associate Degree	Undergraduate, Graduate or Post-Graduate Degree
Animal Services Worker	Computer Trainer	Abuse/Crisis Counselor
Beauty Consultant	Corrections Officer	Clergy
Child Care	Cosmetologist	Crime Scene Investigator
Corrections Officer	Court Reporter	Criminal Justice
Firefighter	Crime Lab Technician	Education Administrator
Fitness Instructor	Early Childhood Educator	Post-Secondary Education
Flight Attendant	Law Enforcement	Healthcare
Food Service	Legal Assistant	Social Worker
Lifeguard	Legal Transcriptionist	Human Resource Specialist
Nanny	Security Management	Lawyer
Personal Assistant	Translator	Political Scientist
Teacher Assistant		Psychology/Sociology
		Public Relations
		Social Work Teacher / Counselor

Career Preparation & School & Community Activities

College Application Support	(EDP)/Talent Portfolio	Mock Interviews
Career Internship	Job Shadowing	Resume Skills
College Fair & Visits	Mentoring	Volunteer in career related areas
Educational Development Plan	MiCareer Quest Northwest	Work Experience

NATURAL RESOURCES

Agriculture, Food, and Natural Resources

Careers in this path are related to agriculture, the environment, and natural resources. These include agricultural sciences, earth sciences, environmental sciences, fisheries, forestry, horticulture, and wildlife.

Are you a nature lover? Are you practical, curious about the physical world, and interested in plants and animals? Do you enjoy hunting and fishing? Do you like to garden or mow the lawn? Are you interested in protecting the environment? This might be your Career Path!

Career Pathway Electives

Accounting I & II	Chemistry (AP)	Physics
Biology	Computer Science Principles (AP)	Physics (Honors)
Biology (Honors)	Engineering & Problem Solving	Psychology (AP)
Biology (AP)	Environmental Science	SMT Biology (Honors)
Chemistry	Environmental Science (AP)	SMT Chemistry (Honors)
Chemistry (Honors)	Forensic Science	SMT Physics (Honors)
		World Languages

Potential Careers

High School Diploma	Community/Technical College	College/University
Vocational Background or On-The-Job Training	Certificate, Apprenticeship, or Associate Degree	Undergraduate, Graduate or Post-Graduate Degree
Animal Caretaker	Biological Technician	Art/Music Teacher
Farm Worker	Conservation Officer	Agricultural Engineer
Florist Greenhouse	Farm Manager	Astronomer
Nursery Assistant	Forestry Technician	Biologist
Horse Trainer	Golf Course Management	Chemist
Landscaping Assistant	Nursery Worker	Conservation Officer
Pest Controller	Park Ranger	Forensic Scientist
Wildlife Technician	Solar Energy Technician	Forester
	Veterinarian Technician	Landscape Architect
		Marine Biologist
		Meteorologist
		Physicist
		Wildlife Management

Career Preparation & School & Community Activities

College Application Support	(EDP)/Talent Portfolio	Resume Skills
Career Internship	Job Shadowing	Site Visits
College Fair	Mentoring	Volunteer in career related areas
College Visits	MiCareer Quest Northwest	Work Experience
Educational Development Plan	Mock Interviews	

Traverse City Area Public Schools Career and Technical Education Curriculum 2023-2024

Each year Traverse City Area Public Schools offers state-approved Career and Technical Education (CTE) programs at West Senior High School and Central High School. There are also CTE programs available to TCAPS students at North Ed Career Tech. These career-focused education programs are designed to prepare youth for a broad range of employment and continuing education opportunities. They are offered under the guidance of **occupationally** certified instructors, counselors and work-based learning coordinators. The curriculum is technologically up-to-date, the equipment is representative of the "state-of-the art" in business and industry, and the laboratories are of optimum size and appropriately designed for safety. Listed below are the programs offered. Please refer to the North Ed Career Tech curriculum offerings on pages 34-35 of this guide for a complete listing of courses comprising each of these state-approved, formal CTE programs and to learn about 1.0 exchange credit for Science or World Language or Visual, Performing & Applied Arts.

Career and Technical Education Curriculum

CTE Program

- Architecture & Design Technology
- Business Management & Administration
- Computer Science and Programming
- Engineering & Design Technology (Also Robotics)
- Finance & Accounting
- Marketing
- Video & Broadcasting

CTE Program Completer & Credit Equivalency Guide

TCAPS State-Approved CTE Programs	Course Sequence	World Language Exchange Credit	VPAA Exchange Credit*	4th Year Math Credit
Architecture & Design Technology - Program Completer After 1 Year	Architectual Drawing	✓	✓	✓
Business Management & Administration - Program Completer After 1 Year	Business Technology A Business Technology B	✓	✓	
Computer Science & Programming - Program Completer After 1 Year	Computer Science Principles (Advanced Placement)	✓	✓	✓
Engineering & Design Technology - Program Completer After 1 Year	Introduction to Engineering and Architectural Design Engineering Problem Solving	✓	✓	✓
Finance & Accounting - Program Completer After 1 Year	Accounting I Accounting II Optional: Personal Economics and Finance	✓		✓
Marketing - Program Completer After 1 Year	Marketing: How to Start a Business Marketing: Advertising	✓	✓	
Video & Broadcasting - Program Completer After 1 Year	Video (Television) Production Broadcast Communications	✓	✓	

Upon completion of a state-approved CTE program, TCAPS students may use 1.0 exchange credit for one (not multiple) of the above categories indicated with a check-mark.

When considering exchange credit, the process begins with your counselor to review your four-year high school and post-secondary plans.

All CTE programs have college credit and/or articulated options embedded in programing.

TCAPS High School Course Offerings
(Grades 9-12)

2023-2024
COURSE DESCRIPTIONS

BUSINESS

ACCOUNTING I

Course#: G59400_0 **Credit: 0.5** **Grade Level: 10,11,12**

Students will understand how to start an accounting system, analyze transactions, and prepare financial statements. The course begins with sole proprietorship, service businesses and progresses to merchandising businesses, including special journals and payroll records. If this course is taken as a senior, successful completion will earn 0.5 credit meeting the Michigan Merit Curriculum requiring one math course in the final year of high school. College credit available through NMC and Davenport University if final grade is a B+ or above in Accounting I and Accounting II.

ACCOUNTING II

Course#: G59500_0 **Credit: 0.5** **Grade Level: 10,11,12**

Prerequisite: Accounting I successfully completed.

This class is a continuation of Accounting I. Emphasis will be on financial statements for merchandising businesses and corporations, along with special procedures for stockholders' equity, cash funds, depreciation, uncollectible accounts, inventories, and notes payable/receivable.If this course is taken as a senior, successful completion will earn 0.5 credit meeting the Michigan Merit Curriculum requiring one math course in the final year of high school. College credit available through NMC and Davenport University if final grade is a B+ or above in Accounting I and Accounting II.

CAREER INTERNSHIP

Course#: G88900_0 **Credit: 0.5** **Grade Level: 11,12**

Prerequisite: Students must fill out an application to be in this course. Applications are available in the counseling office.

Students will work 60 hours during the semester with an employer that matches their career choice in order to gain awareness in an occupational area. Students will meet with the internship coordinator to turn in time logs, necessary paperwork, and to discuss their experiences out in the community. Grades will be based upon attendance at meetings, timesheets, computer check-ins, self-evaluation, and an evaluation by their employer. Students must provide their own transportation.

INTRODUCTION TO BUSINESS

Course#: G58700_0 **Credit: 0.5** **Grade Level: 9, 10, 11,12**

This business course introduces students to the world of business as well as prepares them for their roles of consumer, worker, and citizen. Business is one of the major areas of employment in the US. Basic business topics such as leadership, teamwork, communication, management, entrepreneurship, decision making, business plans, financial planning, and marketing will be converted through a variety of projects and assignments.

WORK EXPERIENCE (1 HR.)

Course#: G58400_0 **Credit: 0.5** **Grade Level: 11,12**

Do you have a job? Are you working at least 10 hours per week? Earn money and credit at the same time through a work-based learning experience coordinated by the school district though a contract (training agreement) with your employer providing an educational experience.

WORK EXPERIENCE (2 HRS.)

Course#: G58500_0 **Credit: 1** **Grade Level: 11,12**

Do you have a job? Are you working at least 15 hours per week? Earn money and credit at the same time through a work-based learning experience coordinated by the school district through a contract (training agreement) with your employer providing an educational experience.

ENGLISH LANGUAGE ARTS

ENGLISH LANGUAGE ARTS-9

Course#: G00600_1 **Credit: 1** **Grade Level: 9**

The goal for English Language Arts-9 is to build a solid foundation of knowledge, skills, and strategies that will be refined, applied, and extended as students engage in more complex ideas, texts, and tasks. In English Language Arts-9, students will be introduced to the various genre of classic and contemporary narrative and informational texts that will be read and analyzed throughout high school. Essential questions within each unit will guide ninth grade students to connect with and respond to the texts. Students are required to complete four performance writing tasks, including common core grade level research skills.

ENGLISH LANGUAGE ARTS-9 (HONORS)

Course#: G00500_1 **Credit: 1** **Grade Level: 9**

The goal for English Language Arts-9 is to build a solid foundation of knowledge, skills, and strategies that will be refined, applied, and extended as students engage in more complex ideas, texts, and tasks. In English Language Arts-9, students will be introduced to the various genre of classic and contemporary narrative and informational texts that will be read and analyzed throughout high school. Essential questions within each unit will guide ninth grade students to connect with and respond to the texts. Honors level English requires students to complete a summer reading assignment. In addition, these students will be expected to read one or more novels, independently, throughout the school year. Additional writing assignments may also be required, and students should expect the class to move at a pace faster than that of a traditional English class. Students are required to complete four performance writing tasks, including common core grade level research skills.

ENGLISH LANGUAGE ARTS-10

Course#: G08200_1 **Credit: 1** **Grade Level: 10**

The goal for English Language Arts-10 is to continue to build a solid foundation of knowledge, skills, and strategies that will be refined, applied, and extended as students engage in more complex ideas, texts, and tasks. Students will add to the list of various genre of classic and contemporary narrative and informational texts that will be read and analyzed throughout high school. Tenth grade students will connect with and respond to texts through critical response and analysis. Essential questions within each unit will guide tenth grade students to connect with and respond to the texts. Students are required to complete four performance writing tasks, including common core grade level research skills.

ENGLISH LANGUAGE ARTS-10 (HONORS)

Course#: G08100_1 **Credit: 1** **Grade Level: 10**

The goal for English Language Arts-10 is to continue to build a solid foundation of knowledge, skills, and strategies that will be refined, applied, and extended as students engage in more complex ideas, texts, and tasks. Students will add to the list of various genre of classic and contemporary narrative and informational texts that will be read and analyzed throughout high school. Tenth grade students will connect with and respond to texts through critical response and analysis. Essential questions within each unit will guide tenth grade students to connect with and respond to the texts. Honors level English requires students to complete a summer reading assignment. In addition, these students will be expected to read one or more novels, independently, throughout the school year. Additional writing assignments may also be required, and students should expect the class to move at a pace faster than that of a traditional English class. Students are required to complete four performance writing tasks, including common core grade level research skills.

ENGLISH LANGUAGE ARTS-11

Course#: G07000_1 **Credit: 1** **Grade Level: 11**

The goal for English Language Arts-11 is to continue to build a solid foundation of knowledge, skills, and strategies that will be refined, applied, and extended as students engage in more complex ideas, texts, and tasks. In English Language Arts-11, students will add to the list of various genre of classic and contemporary narrative and informational texts that will be read and analyzed throughout high school with a special focus on American Literature and SAT success. Eleventh grade students will connect with and respond to texts through transformational thinking. Essential questions within each unit will guide eleventh grade students to connect with and respond to the texts. Students are required to complete four performance writing tasks, including common core grade level research skills.

ENGLISH LANGUAGE ARTS-12

Course#: G07700_1 **Credit: 1** **Grade Level: 12**

The goal for this class is to refine, apply, and extend the solid foundation of knowledge, skills, and strategies developed in English Language Arts-11. Using the lens of leadership skills, English Language Arts-12 students will develop a world perspective by analyzing classic and contemporary texts in a variety of genre, including a focus on British literature. Twelfth grade students will synthesize information, ideas, and themes to understand the past, the present, and to think innovatively about the future. Essential questions within each unit will guide twelfth grade students to connect with and respond to the texts. Students are required to complete performance writing tasks, including common core grade level research skills. Students will identify and apply their own leadership skills in a required senior project, which culminates in a final research capstone (recommendation) paper.

ENGLISH LITERATURE & COMPOSITION (ADVANCED PLACEMENT)

Course#: G09300_1 **Credit: 1** **Grade Level: 11,12**

Can be taken in place of ELA-11 or ELA-12

The AP Literature and Composition curriculum is a college English class, and, by good performance on the AP Exam in May, students can earn up to one year of college credit and/or advanced placement in college English. Thus, the course requires of its students width, depth, and maturity of reading and writing experience. Writing, as an integral part of the course will reinforce the critical reading skills taught across the spectrum of genres. Writing, focusing on literary analysis, will demonstrate a student's ability to organize ideas coherently, critically, and persuasively. At the heart of the course is the study of an author's use of language to achieve purpose including tone, voice, and literary elements. In addition to the classroom curriculum, students will read numerous outside texts and submit a written response for each. The course workload and pace are college level and will include practice AP examinations throughout the year. Summer reading is required. Each student is responsible for acquiring summer reading assignments from counseling and/or course instructor. Assessments over the summer reading will be administered the first weeks of school. (This course is authorized to use the AP.)

ENGLISH LANGUAGE & COMPOSITION (ADVANCED PLACEMENT)

Course#: G09400_1 **Credit: 1** **Grade Level: 11,12**

Can be taken in place of ELA-11 or ELA-12

The AP Language and Composition curriculum is designed as a college English class, and therefore requires of its students a mature depth of experience in reading, writing, and critical thinking skills. The fundamental objective of the course, exploring language and its functions, will be accomplished through extensive student writing, as well as, close readings of published essays and examination of their structures of language such as diction, tone, use of detail, syntax, and audience. In terms of the course work, students are expected to write every week and read roughly one hundred pages per week including careful analysis to prepare daily for thoughtful class discussion. In addition to the textbooks, students will read 2-3 novels and write critical responses for each. AP sample essays and multiple-choice questions will be administered periodically in preparation for the AP exam in May. Summer reading is required. Each student is responsible for acquiring summer reading assignments from counseling and/or course instructor. Assessments over the summer reading will be administered the first weeks of school. (This course is authorized to use the AP.)

ENGLISH 11 & 12 COMPOSITION

Course#: G09410_0 **Credit: 1** **Grade Level: 11,12**

The English 11/12 Composition course focuses on the development and revision of evidence- based analytic and argumentative writing, the rhetorical analysis of nonfiction texts, and the decisions writers make as they compose and revise. Students evaluate, synthesize, and cite research to support their arguments. Additionally, they read and analyze rhetorical elements and their effects in nonfiction texts—including images as forms of text—from a range of disciplines and historical periods. Students would also focus on SAT prep through the preparation in this course.

ESL I A

Course#: G85800_1 **Credit: 0.5** **Grade Level: 9,10,11,12**

English Language Learner support.

FUNCTIONAL ENG LANG ARTS HS-A^

Course#: M05700_1 **Credit: 0.5** **Grade Level: 9,10,11,12**

Enlgish Language Arts skill development for PASS program that targets functional transition into successfuly community living.

ENGLISH LANG ARTS-10-A BLOCK

Course#: S05900_1 **Credit: 0.5** **Grade Level: 10**

This is a course designated for students with an Individualized Education Plan (IEP) and is aligned with the general education course. The goal for English Language Arts-10 is to continue to build a solid foundation of knowledge, skills, and strategies that will be refined, applied, and extended as students engage in more complex ideas, texts, and tasks. In English Language Arts-10, students will add to the list of various genre of classic and contemporary narrative and informational texts that will be read and analyzed throughout high school. Tenth graders will connect with and respond to texts through critical response and stance. Also, a research paper is required. An in depth study of grammer and usage are also addressed. They will learn to evaluate for validity and quality, to balance and expand their perspectives promoting empathy, social action, and appropriate use of power. Critical Response and Stance offers students the lens to assess and modify their beliefs, views of the world, and how they have power to impact them.

GENERAL ELECTIVES

HISTORY OF SPORTS AND SOCIAL ISSUES U.S.

Course#: G11600_0 **Credit: 0.5** **Grade Level: 10,11,12**

This course will explore U.S. history and social issues in the nineteenth and twentieth centuries through the lens of sports. Among the questions we will consider are: How might one define a "sport," and how have popular understandings of "sport" changed over time? What functions have sports served in American life? How have sports reinforced inequities in American society, such as those among racial, socioeconomic, and/or gendered lines? To what degree have sports defied these boundaries, acting as agents of democratization? How have sports intersected and impacted some of the largest moments in U.S. history?

CREATIVE WRITING

Course#: G81100_0 **Credit: 0.5** **Grade Level: 10,11,12**

Creative Writing is a one-semester course where students explore various writing styles and genres, while also expanding their writing ability and idea development. Students will write every day in different styles such as: memoir, imaginative writing, short story and poetry. Via analysis, peer review and teacher coaching, students focus on the craft of fiction writing. Reading selections for models are both student and coach generated. Some craft emphasized are theme, character, plot, sensory detail and imagery. The invocation of literary devices is also investigated to give students' writing both animation and grit. Short story writing treads into genres such as: science fiction, horror, drama and fantasy. Via the manipulation of mechanics, students will learn the rules and experiment with how to break them. Some work may be published with the permission of the author.

ASD MENTORING

Course#: G88800_0 **Credit: 0.5** **Grade Level: 11,12**

Do you enjoy helping other people? Are you interested in working with students with disabilities? Students enrolled in the ASD Mentoring course will learn about Autism from experts in the field. What is Autism Spectrum Disorder? What are the likely causes? What are the typical symptoms? How can mentors make a positive impact on the lives of students with Autism? As mentors, students will gain first-hand knowledge of Autism and the challenges it brings. Students will spend significant time working directly with their peers with Autism. Students will engage in training, reflecting, and creating activities. Throughout the semester, students will learn about other developmental disorders, such as Attention Deficit Hyperactive Disorder (ADHD), Down Syndrome, and Fetal Alcohol Syndrome. In addition, students will learn about the challenges and struggles faced by students with special educational needs, such as learning disabilities and cognitive or emotional impairments. If you want to have a meaningful, learning experience AND make a difference in someone's life, this course is right for you! See your counselor for an application.

INTRODUCTION TO PSYCHOLOGY

Course#: G85400_0 **Credit: 0.5** **Grade Level: 10,11,12**

Introduction to Psychology provides students an opportunity to gain personal insights into themselves and others. The class is designed to provide an overview of basic psychological concepts, technical vocabulary, and theories in the fields of psychology including: history and methods, brain bases of behavior, perception, learning, development, cognition, personality memory, abnormal behavior and treatments, stress and health, motivation, and emotion and social psychology among others.

INTRODUCTION TO SOCIOLOGY

Course#: G85300_0 **Credit: 0.5** **Grade Level: 11,12**

Introduction to Sociology offers students a taste of the many branches of Sociology. Sociology is the study of humans, groups, societies, and social interaction, and its effects on society as a whole. This class encompasses critical thinking, analyzing social concern, and encourages students to look at society from a new perspective.

MODEL UNITED NATIONS (HONORS)

Course#: G85200_0 **Credit: 0.5** **Grade Level: 10,11,12**

Prerequisite: Recommendation of an Instructor

This course is designed as a working study of the nation-state system under which international politics is carried out in today's world. The class will be organized to represent three to five nations and each student will role-play an assignment on a U.N. committee while representing the nation to which he/she is assigned. Emphasis is placed on decision-making, knowledge of the United Nations, and of the diplomatic process. Participants will be expected to pay for part of their expenses to conferences.

PSYCHOLOGY (ADVANCED PLACEMENT)

Course#: G85600_1 **Credit: 1** **Grade Level: 11,12**

The course provides intensive, contextual analysis of the fields of psychology, and will require students to know and apply research methodology, statistics, scientific observation, and critical thinking. Concepts will be explored from theoretical, philosophical, and practical levels. Class activities will enable students to analyze and apply these concepts. Students will be expected to read and annotate a college level text, and prepare for class with outside readings and activities. This course is designed for self-motivated students who enjoy a challenge, and interacting at all levels. It will prepare students to take the Advanced Placement Psychology exam in May. Your scores on Advanced Placement (AP) exams might earn you credit for classes at NMC.

STUDENT SENATE (ELECTED)

Course#: G85500_1 **Credit: 1** **Grade Level: 9,10,11,12**

Prerequisite: (Elected Position)

Nine representatives from each class will be elected for one-year terms. A Governor, Lieutenant Governor, Secretary, and Treasurer will be elected for one-year terms from the entire student body. It provides members with the opportunity to develop as leaders, to become skilled at parliamentary procedures, to develop organizational skills, to set short and long-range goals, to carry out tasks to completion, to become involved in various governmental agencies within the community, and to help the local community.

CAREER INTERNSHIP - STUDENT TECH

Course#: G87300_0 **Credit: 0.5** **Grade Level: 9,10,11,12**

Prerequisite: Course involves working on the WSH Greek Squad or in Tech Central at CHS for Internship Credit. Students must fill out an application available in the counseling office.

Throughout this course you will learn the skills necessary to support other students using a school-issued laptop within your building. The course covers application use, data backup and recovery, proper use and maintenance of school technologies, ethical use of technology, and customer service principles. It involves a combination of supporting other students, career internships, and completion of online course work.

APPLIED SPORT PSYCHOLOGY

Course#: G84800_0 **Credit: 0.5** **Grade Level: 9,10,11,12**

Why do some athletes choke under pressure? How do athletes motivate themselves? What should all athletes know about goal setting? These questions and many more will be answered in Applied Sport Psychology. This course focuses on the psychological principles, which are critical to performance in sport settings, as well as other performance situations, such as public speaking or academic testing. This course will help students learn how to apply psychological techniques to improve their own performance or the performance of others. Applied Sport Psychology is designed for students who are interested in psychology and how it applies to sport, exercise, physical activity, and other performance situations. Some of the concepts covered in this class will include: motivation, goal setting, leadership, imagery, anxiety, teamwork, self-confidence, and concentration. Students taking this course should be prepared to complete an extended goal setting project in which they apply concepts from the course to their own lives.

LIBRARY/MEDIA CENTER COURSE

Course#: G81900_0 **Credit: 0.5** **Grade Level: 10,11,12**

The Library/Media Center Course offers students an opportunity to learn the systems and technologies used in a Library/Media Center. Technological and interpersonal skills are stressed. The student will participate in several projects throughout the term.

CRIME AND JUSTICE

Course#: G85100_5 **Credit: 0.5** **Grade Level: 10,11,12**

This course will provide historical background to the criminal justice system. The material will be relevant to the study of criminal justice, and will emphasize information for those students interested in careers in the criminal justice system. Information will focus on current issues and concerns to our criminal justice systems. This course will also provide a guide for understanding of the law enabling the student to apply this knowledge to their lives as informed citizens. Areas covered: the reasons for law/justice; crime in America; introduction to criminal law; defenses; the criminal justice process; juvenile justice; differences between the juvenile and the adult justice systems; and differences among criminal justice systems around the world.

NMC EDU 100

Course#: D83100_0 **Credit: 1** **Grade Level: 10,11,12**

This course is designed to provide students with the strategies necessary to succeed in college. Participants will examine the characteristics of successful students as well as learn strategies for taking greater responsibility for their own learning. Additionally, the course will provide ways of developing greater intrinsic motivation, increased perseverance, and more effective time management skills, as well as help them discover and revise limiting beliefs and self-defeating behaviors. Practical skills will include a variety of note taking and study strategies as well as confident and effective test preparation.

CONFLICT RESOLUTION

Course #: G80500_1 **Credit: 0.5** **Grade Level: 10, 11, 12**

Student mediators participate in a rigorous training program which prepares them to mediate a variety of conflicts. At school, conflicts affect both the student body and staff, therefore mediators are trained to be unbiased, to keep things confidential, and to provide a safe and supportive environment. Skills taught include: identifying conflict responses, active listening, the art of conversation, de-escalation, and problem-solving. Special projects are assigned to facilitate student initiatives that will help improve the physical, social, and emotional environment at school.

RECONNECTING YOUTH

Course#: G82400_0 **Credit: 0.5** **Grade Level: 9, 10, 11, 12**

Reconnecting Youth is a semester long elective course for students in grades 9-12. Reconnecting Youth works in a small group setting and focuses on self-esteem enhancement, decision-making, personal control and interpersonal communication. It is designed to increase school performance, increase drug use awareness, and increase mood management. This class is only offered at Traverse City High School.

SOAR-9-A^

Course#: S87000_1 **Credit: 0.5** **Grade Level: 9**

Support and Academic Resource - focus on 9th grade

SOAR-10-A^

Course#: S86500_1 **Credit: 0.5** **Grade Level: 9, 10, 11, 12**

This is a course designated for students with an Individualized Education Plan (IEP). This class specifically works on improving classroom performances in all areas: organizational skills, transition goals, IEP goals and objectives, self-acceptance and advocacy.

SOAR-11-A^

Course#: S86300_1 **Credit: 0.5** **Grade Level: 11**

This class works on improving classroom performances in all areas: organizational skills, transition goals, IEP goals and objectives, self acceptance and self-advocacy. Time management skills and responsibility will be a central focus of the class. Post-secondary goals will also be addressed.

SOAR-12-A^

Course#: S87100_1 **Credit: 0.5** **Grade Level: 12**

Support and Academic Resource - focus on 12th grade

HEALTH & PHYSICAL EDUCATION

PERSONAL FITNESS

Course#: G70800_0 **Credit: 0.5** **Grade Level: 9,10,11,12**

This class is designed for students interested in achieving healthy levels of fitness and wellness through a variety of lifelong activities. Students will design an individualized fitness program to improve cardiovascular fitness, muscular strength/endurance, body composition, and flexibility.

SPORTS ACTIVITIES

Course#: G71400_0 **Credit: 0.5** **Grade Level: 9,10,11,12**

Students will be exposed to a variety of individual and team sports. Skills and modified games will be used as progression. Cardiovascular fitness activities will also be incorporated.

WEIGHTS & CONDITIONING

Course#: G70600_0 **Credit: 0.5** **Grade Level: 9,10,11,12**

The course focuses on building muscular strength and endurance through free weights, machine weights, and strength building activities. Proper lifting technique, safety, and spotting will be emphasized. Cardiovascular fitness activities will also be incorporated.

ADVANCED WEIGHTS & CONDITIONING

Course#: G70650_0 **Credit: 0.5** **Grade Level: 9,10,11,12**

Prerequisite: Successful completion of Weights & Conditioning

The Advanced Weights & Conditioning course focuses on further building muscular strength and endurance through free weights, machine weights, and strength building activities. Proper lifting technique, safety, and spotting will be emphasized. Cardiovascular fitness activities will also be incorporated. This course is designed to be taken after completing the regular Weights & Conditioning course.

SPORTS OFFICIATING

Course#: G71200_0 **Credit: 0.5** **Grade Level: 9,10,11,12**

Sports Officiating is a one semester course designed to help students learn to officiate with proper technique and be knowledgeable of the rules. Emphasis is placed on mastery of the rules and proper techniques, and development of social interactions between different groups. Due to the ever increasing need for officials in sports, this will be a real-world connection that will lead into future employment, LEAP officiating opportunities, and respect for the game.

SPORTS MEDICINE

Course#: G71430_1 **Credit: 0.5** **Grade Level: 9,10,11,12**

Sports Medicine Athletic Training 1 & 2 provides students with skills, knowledge, and experience in the areas of athletic training, nutrition, and fitness. This course will focus on the athletic perspective of anatomy and physiology. This is a competency based course where students will participate in hands-on training related to Sports Medicine and Athletic training. Students will be required to do practicum hours outside the school day and travel to athletic events/activities may be required.

INDEPENDENT STUDY PE

Course#: G74800_0 **Credit: 0.5** **Grade Level: 9,10,11,12**

Students will be exposed to a variety of fitness activities. The focus of the class is lifelong fitness and wellness. The health curriculum follows the content standards from the Michigan Merit Curriculum Credit Guidelines. The following health topics will be addressed: Nutrition and Physical Activity, Safety, Personal Health & Wellness and CPR. Typically available only at Traverse City High School.

HEALTH AND PHYSICAL EDUCATION

Course#: G74210_0 **Credit: 0.5** **Grade Level: 9,10,11,12**

The focus of the class is lifelong fitness and wellness. Students will be exposed to a variety of fitness activities. The health curriculum follows the content standards from the Michigan Merit Curriculum Credit Guidelines. The following health topics will be addressed: nutrition and physical activity, safety (preventing violence), personal health and wellness, CPR, alcohol, tobacco, and other drugs, social and emotional health, HIV prevention, and sexuality education.

INTRO TO DANCE

Course#: G74400_5 **Credit: 0.5** **Grade Level: 9,10,11,12**

This class is designed for students interested in achieving healthy levels of fitness and wellness through dance. A variety of dance forms focusing on technique, style, and the creative process of choreography will be explored. Students will be expected to work both independently and cooperatively while demonstrating responsibility and leadership skills.

MATHEMATICS

ALGEBRA I

Course#: G30700_1 **Credit: 1** **Grade Level: 9**

Algebra I is the first course in a four-year sequence. The Algebra I course will include the following: the practice of operations with algebraic expressions including exponents, radicals and absolute value; an analytical and graphing approach to functions, including linear, quadratic and exponential equations; solving linear and quadratic equations and inequalities; solving systems of linear equations; basic operations relating to polynomials, including factoring; data exploration including fitting lines to data; proportional reasoning and variation, and probability.

ALGEBRA I APPLIED CONCEPTS

Course#: G30705_1 **Credit: 1** **Grade Level: 9, 10, 11, 12**

This courses meets the requirement for Algebra I which is the first course in a four-year sequence. The Algebra I Applied Concepts course will include the following: the practice of operations with algebraic expressions including exponents, radicals and absolute value; an analytical and graphing approach to functions, including linear, quadratic and exponential equations; solving linear and quadratic equations and inequalities; solving systems of linear equations; basic operations relating to polynomials, including factoring; data exploration including fitting lines to data; proportional reasoning and variation, and probability. All learning is done through an on-hands approach with applications and project based activities.

ALGEBRA II

Course#: G38400_1 **Credit: 1** **Grade Level: 10,11,12**

Algebra II is the third course in a four-year sequence, which includes topics that historically have been included in a high school pre-calculus curriculum. The graphing calculator is one of the tools used in developing and understanding the concepts of this course. Throughout the course, the students will be connecting and applying algebraic concepts to geometry, statistics, data analysis, probability, and discrete mathematics. The following topics will be included in the Algebra II course; introduction to matrices and their applications; further work with exponential functions and their inverses, logarithmic functions; quadratic relations and conic sections; sequences and series; probability and statistics, including the counting principal, permutations and combinations; exploring trigonometric (circular) functions.

ALGEBRA II (HONORS)

Course#: G31500_1 **Credit: 1** **Grade Level: 10,11,12**

This is a course for motivated students that are thinking about majoring in math, science, or business. This course will encompass all topics taught in Algebra II and will also include other topics that will challenge students and deepen their understanding of mathematical concepts. Honors Algebra II includes topics that historically have been included in a high school algebraic curriculum. The graphing calculator is one of the tools used in developing and understanding the concepts of this course. Throughout the course, the students will be connecting and applying algebraic concepts to geometry, statistics, data analysis, probability, and discrete mathematics. The following topics will be included in the Honors Algebra II course; introduction to matrices and their applications; further work with exponential functions and their inverses, logarithmic functions; quadratic relations and conic sections; sequences and series; probability and statistics, including the counting principle, permutations and combinations; exploring trigonometric (circular) functions.

CALCULUS/AB (ADVANCED PLACEMENT)

Course#: G39200_1 **Credit: 1** **Grade Level: 11,12**

This is a course in introductory calculus, which will cover all topics tested on the Advanced Placement Calculus AB exam. This is equivalent to one semester of Calculus at most colleges and universities. It is strongly suggested that students have their own graphing calculator for the class. Your scores on Advanced Placement (AP) exams might earn you credit for classes at NMC.

CALCULUS/BC (ADVANCED PLACEMENT)

Course#: G39300_1 **Credit: 1** **Grade Level: 11,12**

This course covers all topics tested on the Advanced Placement Calculus BC exam. The course is comparable to a full-year course offered in colleges and universities. It is strongly suggested that students have their own graphing calculator for the class. Your scores on Advanced Placement (AP) exams might earn you credit for classes at NMC.

GEOMETRY

Course#: G38200_1 **Credit: 1** **Grade Level: 9,10**

Geometry is the second course in a four-year sequence. One of the tools that will be used in the exploration and development of geometry will include the graphing calculator. Throughout the course, students will be relating and applying geometric concepts to algebra, statistics, data analysis, probability, and discrete mathematics. The Geometry course will include the following: the role of definitions and postulates in the building of a mathematical system including various forms of proof-based conjectures; properties of angles and lines including perpendicular and parallel lines; congruence and similarity of geometric figures; properties of polygons and the relations between them; understanding of transformations of geometric figures; measurements relating to geometric figures including length, areas and volume; introduction to coordinate geometry; right triangle trigonometry.

AP TRIGONOMTRY PRE-CALCULUS

Course#: G38510_1 **Credit: 1** **Grade Level: 10,11,12**

This is a course for motivated students who were successful in Algebra II and are thinking about majoring in math, science, or business. The course will encompass all topics taught in Trigonometry/Pre-Calculus, and will also include other topics that will challenge students and deepen their understanding of the mathematical concepts. This course is recommended for sophomores and juniors intending to take AP Calculus, or for seniors who are interested in a major that will require them to take Calculus. In this class, we will build on the concepts studied in Algebra II and continue to develop an understanding of functions, their properties and behaviors. We will analyze different families of functions, including polynomials, rational, exponential, logarithmic, and piecewise functions. We will also study trigonometric and parametric functions as well as the properties of conic sections. Students will for each function family; analyze end-behavior, find rates of change, solve and write equations and inequalities, look at other behaviors unique for each function, such as, but not limited to, behavior at asymptotes and other discontinuities. The course will focus on developing the higher order thinking skills required to be successful in Calculus.

INTRODUCTION TO STATISTICS

Course#: G32500_0 **Credit: 0.5** **Grade Level: 11,12**

This class is designed for juniors and seniors wanting statistics, but not wanting a full year of AP Statistics. The class will use real data to explore the following concepts: exploring data, describing location in a distribution, examining relationships, producing data, probability and simulation, and random variables.

MATH COLLEGE PLACEMENT PREP I

Course#: G32400_0 **Credit: 0.5** **Grade Level: 11,12**

This class will be open to college-bound juniors who have completed Algebra II but need more preparation before taking Trig Pre-Calc, and college-bound seniors who have completed Algebra II or Trig Pre-Calc, needing more algebra preparation before moving on to college. The class will review and extend the concepts taught in Algebra II in order to help students either prepare for Trig Pre-Calc, or for the math college entrance exam (for example the compass test) as well as for college math classes.

NMC CALCULUS III-MTH 241

Course#: D39920_0 **Credit: 0.5** **Grade Level: 12**

Prerequisite: This is a college course taught on the high school campus earning college credit. See the dual enrollment information in the course guide and/or seek guidance from your counselors.

This course covers multivariable calculus including three-dimensional analytical geometry, vector valued functions, partial differentiation, and multiple integration (with applications of each). An introduction to linear algebra will also be covered.

NMC DIFFERENTIAL EQUATIONS-MTH 251

Course#: D39930_0 **Credit: 0.5** **Grade Level: 12**

Prerequisite: This is a college course taught on the high school campus earning college credit. See the dual enrollment information in the course guide and/or seek guidance from your counselors.

This course introduces the concepts of differential equations and of linear algebra. Topics include: solving linear and systems of linear differential equations, physical applications, slope fields, phase planes, Euler's method, and Laplace transformations. Solutions are found using analytical, numerical, and/or graphical techniques relating to quantitative modeling. Linear algebraic topics include: vector spaces, subspaces, spanning sets, linear dependence and independence, basis and dimensions, eigenvectors, and linear transformations.

STATISTICS (ADVANCED PLACEMENT)

Course#: G39100_1 **Credit: 1** **Grade Level: 11,12**

Prerequisite: Algebra II

The Advanced Placement Statistics course is for high school students who wish to complete studies equivalent to a one-semester, introductory, non-calculus-based college course in statistics. Like the college course, 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. This course is an excellent option for students who have completed a third year of high school mathematics. This course is not a substitute for Pre-Calculus class. It is strongly suggested that students have their own graphing calculator for the class. Your scores on Advanced Placement (AP) exams might earn you credit for classes at NMC.

TRIGONOMETRY / PRE-CALCULUS

Course#: G38500_1 **Credit: 1** **Grade Level: 10,11,12**

This course is the fourth course in the high school mathematics curriculum. It follows Algebra I, Geometry, and Algebra II. Trigonometry/Pre-Calculus places a heavy emphasis on functions and their characteristics described graphically and symbolically. Special attention will be given to trigonometric functions. Basic work with limits, derivatives, and integrals will be included. Real world applications will be emphasized. The following topics will be taught or enhanced in Trigonometry/Pre-Calculus: exponents and logarithms; function notation; evaluation and composition; trigonometric functions, inverses, and identities; vectors and parametric equations; conics; complex numbers; discrete topics, combinatorics, probability, and data; introduction to limits, derivatives, and integrals; polynomial and rational functions. It is strongly suggested that students have their own graphing calculator for the class.

FUNCTIONAL MATH HS-A^

Course#: M37500_1 **Credit: 0.5** **Grade Level: 9,10,11,12**

Math skill development for PASS program that targets functional transition into successfuly community living.

CRITICAL CONTENT ALEGRA II - A

Course#: G30740_1 **Credit: 0.5** **Grade Level: 10,11,12**

An algebra course parred back to contain only the critical content.

SCIENCE

BIOLOGY

Course#: G20400_1 **Credit: 1** **Grade Level: 9**

Biology is the study of living organisms and their relationship to man. Instruction will be focused on reaching our diverse student population. This will include, the four main practices of scientific literacy: identifying scientific principles, using scientific principles, using scientific inquiry, and the application of scientific principles. Instruction will include inquiry-based laboratory experiments, lecture style textbook work, related video support, and classroom participation.

BIOLOGY (HONORS)

Course#: G20500_1 **Credit: 1** **Grade Level: 9**

Biology is the study of living organisms and their relationship to man. Instruction will be focused on reaching our diverse student population. This will include, the four main practices of scientific literacy: identifying scientific principles, using scientific principles, using scientific inquiry, and the application of scientific principles. Instruction will include inquiry-based laboratory experiments, lecture style textbook work, related video support, and classroom participation. This accelerated honors class is recommended for students who excel in math and science.

BIOLOGY (ADVANCED PLACEMENT)

Course#: G29600_1 **Credit: 1** **Grade Level: 11,12**

Prerequisite: Recommended prior coursework: Biology & Chemistry

Advanced Placement Biology is a rigorous course designed to be the equivalent of a university-level freshman Biology course taken by Life-Science majors. After demonstrating proficiency (a 3 or better on the spring AP Biology Exam), students may be granted credit by a college or university and be able to take upper-level courses for which a biology/laboratory science course is a prerequisite. This course aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal with the rapidly changing science of biology and its impact on society at large. This course has received international accreditation from the College Board, the licensing entity of the AP Biology Program. Recommended prior course work includes: Biology and Chemistry. Your scores on Advanced Placement (AP) exams might earn you credit for classes at NMC.

BIOMEDICIAL SCIENCE A: INFECTIOUS DISEASE AND NEUROLOGICAL DISORDERS

Course#: G20700_1 **Credit: 0.5** **Grade Level: 10,11,12**

Biomedical science provides students a chance to study major diseases and how they impact human health. The major diseases covered range from infection to cancer. All aspects of the diseases will be examined, from how to contact them to how to diagnose and treat them. Students will also be exposed to careres in the medical field and mdoern technology and lab techniques.

BIOMEDICIAL SCIENCE B: METABOLIC DISEASE AND CANCER

Course#: G20700_1 **Credit: 0.5** **Grade Level: 10,11,12**

Biomedical science provides students a chance to study major diseases and how they impact human health. The major diseases covered range from infection to cancer. All aspects of the diseases will be examined, from how to contact them to how to diagnose and treat them. Students will also be exposed to careres in the medical field and mdoern technology and lab techniques.

CHEMISTRY

Course#: G29200_1 **Credit: 1** **Grade Level: 10,11,12**

Chemistry is a creative, demanding, and challenging course. It is an extensive traditional study of the interactions between energy and matter, utilizing technical reading and writing, demonstrations and laboratory investigations. Particular emphasis will be given to learning and understanding the periodic table, naming compounds, balancing reactions, stoichiometry, gas laws, the mole and acids/bases.

CHEMISTRY (ADVANCED PLACEMENT)

Course#: G29500_1 **Credit: 1** **Grade Level: 11,12**

Advanced Placement Chemistry is a rigorous and challenging course equivalent to a full year of freshman-level college chemistry (with laboratory). It is appropriate for high-achieving students who are interested in majoring in science, mathematics, engineering, health or a related field in college. This course investigates a comprehensive range of chemistry topics. After demonstrating proficiency (a 3 or better on the AP exam in May), students may be granted credit by a college or university, and may be able to take upper-level courses in chemistry. This course will also provide students with a laboratory portfolio for presentation at their selected university. A summer assignment is required. Each student is responsible for obtaining the summer assignment from the instructor or counseling department. Your scores on Advanced Placement (AP) exams might earn you credit for classes at NMC.

CHEMISTRY (HONORS)

Course#: G29100_1 **Credit: 1** **Grade Level: 10,11,12**

Honors Chemistry follows much the same path as regular Chemistry, but at an accelerated pace with a more rigorous application of math. It is strongly encouraged to be concurrently enrolled in Algebra II or higher.

PHYSICS

Course#: G28600_1 **Credit: 1** **Grade Level: 11,12**

Recommended prior course work in math: Physics is a mathematically rigorous science where students should be highly proficient in algebraic manipulations including exponents, multiple variable equations as well as right angle trigonometry and scientific notation. Physics is a precise and demanding class with high academic rewards. Course problems require a high level of application and abstract reasoning ability. Laboratory work requires high degree of precision and includes analysis and the gathering and interpreting of complex data. The course investigates a comprehensive range of physics topics including motion, waves, mechanics, light, optics, electrical circuits, etc. Laboratories require the use of instrumentation and computers.

PHYSICS (HONORS)

Course#: G28500_1 **Credit: 1** **Grade Level: 11,12**

Recommended prior course work in science: Successful completion of Chemistry, or Environmental Chemistry, or Honors Chemistry, or approval of the instructor. **Recommended prior course work in math:** This heavily mathematically-based class requires competence in algebraic manipulations and substitutions, quadratic equations, right and non-right triangles, geometry, and scientific notation. This advanced course explores many of the same topics as regular Physics, but requires a higher degree of mathematics, a stronger sense of abstract reasoning and the ability and motivation to work at a more rigorous pace.

ANATOMY AND PHYSIOLOGY

Course#: G28400_1 **Credit: 1** **Grade Level: 11,12**

Anatomy and Physiology will relate structure and function to provide an integrated view of how the human body works. Numerous applications and everyday examples will show how the human responds to disease, injuries, as well as what conditions help to optimize health. Computer simulations and/or dissections (using mammalian animal specimens) will be used to show how anatomy (structure) relates to physiology (function). The course reviews biochemistry, cell biology, tissues, and various organ systems. This course is recommended for those with an interest in health science. A successful year in Chemistry is recommended prior to enrolling in this course.

ENVIRONMENTAL SCIENCE

Course#: G28900_1 **Credit: 1** **Grade Level: 10,11,12**

This course integrates the major branches of science: life, physical, chemical and earth, with environmental topics to provide students with a scientific knowledge of our planet earth, its many interconnected systems, and the ways in which human activities affect it. It is recommended that this course be taken as a preparation for the 11th grade science proficiency test. Topics covered include: ecosystem type and function, interconnections of ecosystems, food webs and chains, biogeochemical cycles, biomes, biodiversity, extinction and human pupulation dynamics. In addition, this course explores issues surrounding the use of natural resources: water, land, air, atmosphere, climate, waste disposal, energy, and pollution.

ENVIRONMENTAL SCIENCE (ADVANCED PLACEMENT)

Course#: G28960_1 **Credit: 1** **Grade Level: 11,12**

The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required 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.

NUTRITION SCIENCE

Course#: G28700_0 **Credit: 0.5** **Grade Level: 10,11,12**

Nutrition Science is the scientific understanding of how food is used in the body. This class will highlight nutrition concepts and explore the relationships between food science and nutrition. Nutrition Science is not the same as food preparation. As students progress through this course, they will use the scientific method to study the physiological, biological, and chemical basis for nutrition, food preparation, food preservation, and food processing. Science credit is granted.

FORENSIC SCIENCE

Course#: G28800_5 **Credit: 0.5** **Grade Level: 10, 11,12**

Forensic science is the application of science to law. This course offers the knowledge and technology needed for analyzing evidence most often used in criminal cases. The course will focus on problem solving; students will be expected to work as individuals and in teams to solve cases using a variety of evidence types. Forensic Science is a laboratory driven class involving scientific investigations. Writing is an integral part of the course including-laboratory reports, results and conclusions, in addition to analyzing case studies. The successful incoming student demonstrates a strong competency in chemistry.

ENVRIONMENTAL SCIENCE (AP) - A

Course#: G28950_1 **Credit: 0.5** **Grade Level: 10,11,12**

The goal of the AP Environmental Science course is to provide you with the scientific principles, concepts, and methodologies required 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 and/or preventing them.

FUNCTIONAL HEALTH/SCIENCE-A^

Course#: M27500_1 **Credit: 0.5** **Grade Level: 9,10,11,12**

This course is designed to help students understand their bodies and how to maintain healthy and safe life styles.

CHEMISTRY-A

Course#: G29210_1 **Credit: 0.5** **Grade Level: 10,11,12**

Chemistry is a creative, demanding, and challenging course. It is an extensive traditional study of the interactions between energy and matter, utilizing technical reading and writing, demonstrations and laboratory investigations. Particular emphasis will be given to learning and understanding the periodic table, naming compounds, balancing reactions, stoichiometry, gas laws, the mole and acids/bases.

SOCIAL STUDIES

CIVICS

Course#: G19100_0 **Credit: 0.5** **Grade Level: 11,12**

To participate effectively, American citizens need intellectual and participatory skills, as well as knowledge about their government and society. The knowledge component is embodied in the form of five significant and enduring questions. These are questions that have continued to engage not only political philosophers and politicians; but are questions that do or should engage every thoughtful citizen. The five questions are: What are civic life, politics and government? What are the origins and foundations of the American political system? How does the government established by the constitution function to embody the purposes, values, and principles of American constitutional democracy? What is the relationship of the United States to other nations, and its role in world affairs? What are the roles of citizens in American society? In order to encourage students to become positive and active members of their communities, students will be required to be involved in community service and they will be required to attend a governmental meeting outside of their normal class time.

EUROPEAN HISTORY (ADVANCED PLACEMENT)

Course#: G19600_1 **Credit: 1** **Grade Level: 11,12**

AP European History is a course that examines the period of European history from 1450 to the present, concentrating on intellectual-cultural, political-diplomatic, and social-economic history. Students will engage in an analysis of themes and an evaluation of historical documents in order to trace emergent trends through several chronological periods. Students will learn to write and employ effective exposition since half of the AP European History examination is a document-based essay and a broad interpretive essay, both of which require supportive evidence. Specific areas of study will include the Renaissance, the Reformation and the Religious Wars, the Enlightenment, Napoleonic Europe, nineteenth century revolutions and political ideologies, the Age of Romanticism, twentieth century world wars, and the post war world. Timely literary works will be utilized in AP European History to illustrate historical time periods and their respective philosophical and cultural impact on future time periods. Your scores on Advanced Placement (AP) exams might earn you credit for classes at NMC.

UNITED STATES GOVERNMENT & POLITICS (ADVANCED PLACEMENT)

Course#: G19300_1 **Credit: 1** **Grade Level: 11,12**

This course is to prepare students for the Advanced Placement U.S. Government and Politics examination that covers the following major content areas: constitutional under-pinning of democracy; political beliefs and behaviors of individuals; political parties and interest groups; mechanisms that facilitate the communication of interests and references by like-minded citizens; the congress, the presidency, the bureaucracy and the federal courts; institutions and policy processes; and Civil Liberties and Civil Rights. Units also include state and local government. Your scores on Advanced Placement (AP) exams might earn you credit for classes at NMC.

UNITED STATES HISTORY (ADVANCED PLACEMENT)

Course#: G19400_1 **Credit: 1** **Grade Level: 9,10,11,12**

Surveying the history of the United States begins with the colonial period, and ends with international affairs and domestic changes in the post-1945 period, to present. In the Preface to the text, AMERICAN PEOPLE, the authors state that one of their major goals is to provide students with a rich, balanced, and thought-provoking treatment of the American past. The course is designed to provide a comprehensive overview of U.S. history, and provide students with the analytical skills and factual knowledge necessary to deal critically with the problems and materials in U.S. history. Students should learn to assess historical materials, their relevance to; a given interpretive problem, reliability and importance, and to weigh the evidence and interpretations presented in historical scholarship. This course develops the skills necessary to arrive at conclusions on the basis of an informed judgment, and to present reasons and evidence clearly and persuasively in essay format. The goal is for students to be prepared to take the college-level examination, which can earn a year college credit in U.S. History. Preparation for this exam, as well as course requirements will include striking a balance between learning factual knowledge and increasing critical thinking skills of analysis, interpretation, synthesis, and evaluation. Your scores on Advanced Placement (AP) exams might earn you credit for classes at NMC.

UNITED STATES HISTORY & GEOGRAPHY

Course#: G10400_1 **Credit: 1** **Grade Level: 9**

This is a survey course of history from the American Industrial Revolution to the Post Cold War World. Using a chronological approach, the course focuses on the issues of U.S. foreign policy, international conflict, individual and group rights, and the social economic, and political developments experienced by Americans from the end of the 19th century to the present. This course involves a study of the nation's political ideals, and the times and places where people or events challenged, violated, or expanded those ideals.

UNITED STATES HISTORY & GEOGRAPHY (HONORS)

Course#: G10500_1 **Credit: 1** **Grade Level: 9**

This survey course offers highly motivated students a more challenging look at history from the American Industrial Revolution to the Post Cold War World. Using a chronological approach, the course investigates issues of U.S. foreign policy and international conflict, individual and group rights, and the social, economic, and political developments experienced by Americans from the end of the 19th century to the present. This course involves an analytical study of the nation's political ideals, and the times and places where people or events challenged, violated, or expanded those ideals. As an Honors course, students should expect to move at a faster pace with more challenging work.

HUMAN GEOGRAPHY (ADVANCED PLACEMENT)

Course#: G88400_1 **Credit: 1** **Grade Level: 9,10,11,12**

AP Human Geography presents high school students with the curricular equivalent of an introductory college-level course in human geography or cultural geography. Content is presented thematically rather than regionally and is organized around the discipline's main subfields: economic geography, cultural geography, political geography, and urban geography. The approach is spatial and problem oriented. Case studies are drawn from all world regions, with an emphasis on understanding the world in which we live today. Historical information serves to enrich analysis of the impacts of phenomena such as globalization, colonialism, and human-environment relationships on places, regions, cultural landscapes, and patterns of interaction.

WORLD HISTORY (ADVANCED PLACEMENT)

Course#: G18700_1 **Credit: 1** **Grade Level: 10,11,12**

The purpose of the AP World History course is to develop greater understanding of the evolution of global processes and contacts in different types of human societies. This understanding is advanced through a combination of selective factual knowledge and appropriate analytical skills. The course highlights the nature of changes in global frameworks and their causes and consequences, as well as comparisons among major societies. It emphasizes relevant factual knowledge, leading interpretive issues, and important skills in analyzing types of historical evidence. Students will enjoy the following areas of concentration: human origins and human culture; the importance of farming and the world's first cities; early empires and world religions; the first global age; the global impact of western revolutions; the modern era; and evolving identities in a global world. Your scores on Advanced Placement (AP) exams might earn you credit for classes at NMC.

WORLD HISTORY & GEOGRAPHY

Course#: G18100_1 **Credit: 1** **Grade Level: 10**

This course takes a global and comparative approach to studying the world and its past to develop a greater understanding of the development of worldwide events, processes, and interactions among the world's people, cultures, societies, and environment. Integrating geography and history, Part I covers the eras beginning with the height of the Roman Empire (300 C.E.) up to the eve of World War I (1914). Part II covers the World War I era to present day global issues: population growth, conflict and security, scarcity of resources, and global interdependence.

HUMAN GEOGRAPHY (AP) - A

Course#: G88400_1 **Credit: 0.5** **Grade Level: 9,10,11,12**

AP Human Geography presents high school students with the curricular equivalent of an introductory college-level course in human geography or cultural geography. Content is presented thematically rather than regionally and is organized around the disciplineΔs main subfields: economic geography, cultural geography, political geography, and urban geography. The approach is spatial and problem oriented. Case studies are drawn from all world regions, with an emphasis on understanding the world in which we live today. Historical information serves to enrich analysis of the impacts of phenomena such as globalization, colonialism, and human-environment relationships on places, regions, cultural landscapes, and patterns of interaction.

PERSONAL ECONOMICS AND FINANCE

Course#: G87800_0 **Credit: 0.5** **Grade Level: 11,12**

Students learn how to navigate the financial decisions they must face and to make informed decisions relating to career exploration, budgeting, banking, credit, insurance, spending, financing postsecondary education, taxes, saving and investing, and living independently. They also learn the importance of investing in themselves in order to gain the knowledge and skills valued in the marketplace. Development of financial literacy skills and an understanding of economic principles will provide the basis for responsible citizenship, more effective participation in the workforce, and career success. This course includes a financial literacy component, which allows juniors and seniors to satisfy their economics requirement to graduate upon successful completion of this course. If this course is taken as a senior, successful completion will satisfy both the senior math and economics requirement to graduate. A maximum of .5 credit will be granted for the class.

VISUAL, PERFORMING AND APPLIED ARTS (ENGLISH)

HONORS DEBATE

Course#: G91100_1 **Credit: 0.5** **Grade Level: 9,10,11,12**

Debate is an Honors course due to the difficulty of the content. Offered one quarter (or semester), it is designed to teach extensive research techniques and their application toward the solution to a specific problem. This is a very challenging course incorporating research, reasoning, analysis, argumentation, persuasion, and speaking skills. Opportunities exist for competitive work with the school's debate team.

PUBLIC SPEAKING

Course#: G93200_5 **Credit: 0.5** **Grade Level: 9,10,11,12**

This is a course designed to help acquire self-confidence and poise while developing the ability to express oneself verbally and communicate information clearly. The emphasis is placed on organization, structure, research, delivery, and effective communication skills. Examples oof speeches this course may include are informative, persuasive, demonstration, sales, and persomal experience. This is a course designed for both the reluctant and comfortable public speaker.

VISUAL, PERFORMING AND APPLIED ARTS (BUSINESS)

BUSINESS TECHNOLOGY AND MANAGEMENT A (BT)

Course#: G90900_0 **Credit: 0.5** **Grade Level: 10,11,12**

Students will acquire technology and management skills needed for school, business, and future careers. Students develop technology skills in Microsoft Word (word processing), Microsoft Excel (spreadsheet), and Web Design. Emphasis is also placed on basic business topics of leadership, teamwork, career preparation, communication, management, entrepreneurship, and financial planning through a variety of projects and assignments. All students are urged to take both sections of Business Technology and Management in order to obtain the technology and business skills needed in today's world. MOS (Microsoft Office Specialist) Certification, an industry recognized certification in the Microsoft Office suite applications is available to Business Technology and Management students for FREE! College credit is available through NMC and Davenport University if final grade is a B+ or above in Business Technology and Management A and B.

BUSINESS TECHNOLOGY AND MANAGEMENT B (BT)

Course#: G94500_0 **Credit: 0.5** **Grade Level: 10,11,12**

Students will acquire technology and management skills needed for school, business, and future careers. Students develop technology skills in Microsoft PowerPoint (presentation), Microsoft Access (database), and Publisher (desktop publishing). Emphasis is also placed on basic business topics of business ethics, international business, human resource management, operations and marketing through a variety of projects and assignments. All students are urged to take both sections of Business Technology and Management in order to obtain the technology and business skills needed in today's world. MOS (Microsoft Office Specialist) Certification, an industry recognized certification in the Microsoft Office suite applications is available to Business Technology and Management students for FREE! College credit is available through NMC and Davenport University if final grade is a B+ or above in Business Technology and Management A and B.

MARKETING: HOW TO START A BUSINESS

Course#: G90600_0 **Credit: 0.5** **Grade Level: 10,11,12**

Students earn money while learning the fundamentals of marketing with a "hands-on" approach of operating and managing a small business. Special emphasis will be placed on the concept of entrepreneurship and provide students with a realistic framework for starting their own business.College credit available through Davenport University if students successfully complete the How to Start a Business and Advertising courses. See counselor for more information.

MARKETING: ADVERTISING

Course#: G90700_0 **Credit: 0.5** **Grade Level: 10,11,12**

Students will have fun learning the fundamentals of marketing with an in-depth study of advertising. Students will apply their knowledge of advertising through applications, assessments, and projects. They will create an advertising plan for a local business as their capstone project. College credit available through Davenport University if students successfully complete the Advertising and How to Start a Business courses. See counselor for more information.

VISUAL, PERFORMING AND APPLIED ARTS (FILM, MEDIA, & JOURNALISM)

SCHOOL NEWSPAPER

Course#: G91400_1 **Credit: 1** **Grade Level: 9,10,11,12**

Newspaper/Publications is run as a real newsroom. Students are required to go out in the school and community covering stories, interviewing or photographing sources, or working on their production: graphics, editing, layout and design, story content, ad sales, and circulation. This is a fast-paced production based course that is run by student teams leading other students. All content is determined by the student staff. Distribution of the final product varies by school. Students at WSH create a website and monthly newspaper, while students at CHS publish a quarterly magazine. Leadership skills are necessary for editors, who must be enrolled for both semesters. Editors help teach other students interviewing and journalistic skills in all genres: news, opinion, sports, arts and entertainment, and feature. They give frequent feedback and coach students during the writing process, and they also run the daily production schedule. Strong writing, photographic or design skills preferred, but not required. Because a high quality product is a collaborative effort by the entire staff, strong interpersonal skills and personal discipline are essential. Students are encouraged to take the class for more than one year. Since exciting coverage does not take place in our publications room, production requires some outside of school time.

YEARBOOK

Course#: G92000_1 **Credit: 1** **Grade Level: 9,10,11,12**

Yearbook is a lab-based, hands-on class. Student editors, in teams with staff, run all aspects of production: photography, graphics, layout and design, writing, budgeting, ad sales and distribution. Leadership skills are necessary for editors, who must be enrolled for both semesters. Editors help teach other students interviewing, photographic, and journalistic skills in sports and feature writing. Yearbook coverage and content are determined by staff. Strong writing skills preferred, but not required. Students must be able to work independently and cooperatively as a staff. After school and/or weekend work may be required to meet deadlines. Students are encouraged to take the class more than one year.

VIDEO (TELEVISION) PRODUCTION

Course#: G93000_0 **Credit: 0.5** **Grade Level: 9,10,11,12**

Video Production is a course that introduces students to the structure, content, theory, and technical aspects of video production as it applies to the television broadcasting, commercial video production, as well as the film industry. Students will study and apply many video and film production techniques and concepts related to both digital editing and videography. After acquiring knowledge of the basic skills used in planning, creating, and editing video projects, students will work in small groups to create various video-based projects using digital recording and editing equipment. This is a challenging "hands-on" course for the creative individual who wishes to explore and work with the rapidly growing media.

BROADCAST COMMUNICATIONS

Course#: G91000_0 **Credit: 0.5** **Grade Level: 9, 10,11,12**

Broadcast Communication is designed to allow students to broaden their understanding of broadcast television, video, as well as current and emerging electronic media, asociated facilities, equipment, and software applications. This will involve hands-on use of state of the art equipment and concepts. Specifically studnets will create and participate in live and recorded video, television & internet broadcasts including news, information. commercipal. and sports oriented programming.

BROADCAST COMMUNICATIONS II

Course#: G91010_0 **Credit: 0.5** **Grade Level: 9, 10,11,12**

Prerequisite: Successful completion of Video Production course

Broadcast Communication II is designed to allow students to broaden their understanding of broadcast television, video, as well as current and emerging electronic media, associated facilities, equipment, and software applications. This will involve hands-on use of state of the art equipment and concepts. Specifically students will create and participate in live and recorded video, television and internet broadcasts including news, information, commercial, and sports oriented programming. Experiences include operation of related equipment in studio and remote settings. Extended individual and group projects are required as well as completion and participation in remote broadcasts and recording events that take place in the evening and on weekends beyond the traditional school day is a required component of this class. Students will be exposed to and participate in various aspects of broadcast journalism, remote broadcasts, and sports-casting. Students will also be required to work effectively and respectfully with members of TCAPS and the Traverse City community to plan, develop, and produce video and broadcasting projects and live remote broadcasts of events and programs associated with TCAPS and Central High School. This is an exciting, challenging and fast-paced "hands-on" course for the creative individual who wishes to explore and work with the rapidly growing media.

VISUAL, PERFORMING AND APPLIED ARTS (THEATRE ARTS)

STAGECRAFT

Course#: G91500_0 **Credit: 0.5** **Grade Level: 10,11,12**

Stagecraft is a one semester course with an emphasis on independent learning and problem solving. This class will provide the technical theatre support for school productions. Emphasis in this class is on design and execution in the areas of set, lighting, make-up, publicity and costuming. Because the content will vary with each production, this class may be taken for credit more than once. Attendance at after-school practices, performances, and/or work bees is required for credit.

THEATRE ARTS I-INTRO THEATRE

Course#: G91600_0 **Credit: 0.5** **Grade Level: 9,10,11,12**

Theatre Arts I is the study of various aspects of acting. Students will perform monologues, pantomimes, and scene work with major emphasis on developing characterization and stage movement. Performances will primarily be done in class.

THEATRE ARTS II - BEGINNING PLAY PRODUCTION

Course#: G91700_0 **Credit: 0.5** **Grade Level: 9,10,11,12**

Theatre Arts II will hone skills learned in Theatre Arts I and will involve a one-act play production. Major emphasis in this course will be placed on further development of character, stage movement, and ensemble building. The course will result in a public performance of a one-act play that will require the participation of each student. Attendance at out-of-school practices and performances is required for credit.

THEATRE ARTS III ADVANCED THEATRE

Course#: G91800_0 **Credit: 0.5** **Grade Level: 10,11,12**

Prerequisite: Placed by audition

Theatre Arts III will build on skills learned in Theatre Arts I and II. Emphasis will be placed on advanced techniques and principles of acting theory and the production of a full-length play of historical, social, and/or literary significance. Public performances of the play will require the participation of each student. Attendance at out-of-school practices and performances is required for credit. Placement in the class is by audition or permission of instructor.

VISUAL, PERFORMING AND APPLIED ARTS (STEM)

ROBOTICS

Course#: G95810_0 **Credit: 0.5** **Grade Level: 9,10,11,12**

This is an introductory first course in robotics. Students will explore basic robotic concepts including movement, sensors, and task-based programming. The students will use the Arduino platform in C++ to explore simple programmable circuits and begin building autonomous moving robots. Students will also work with VEX robotics platforms to create unmanned systems while programming in RobotC. The course will involve team-based design and problem solving strategies.

AP COMPUTER SCIENCE PRINCIPLES

Course#: G95840_1 **Credit: 1** **Grade Level: 9,10,11,12**

AP Computer Science Principles introduces students to computer science with fundamental topics that include problem solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implications of computing. The course emphasizes both object-oriented and imperative problem solving and design.

INTRODUCTION TO ENGINEERING & ARCHITECTURAL DESIGN

Course#: G92700_0 **Credit: 0.5** **Grade Level: 9,10,11,12**

Imagine the designs you could create! Your STEM pathway begins here where you will explore exciting high demand and high wage careers in engineering and architecture. Students are introduced, through hands-on projects, to how ideas become a reality by utilizing the design process and communicating ideas through visual representations. Students will be introduced to various 3D solid modeling software , 3D printing, laser cutting and CNC milling to develop solutions that could solve real world problems. Students will also gain exposure to regional and state competitions.

ENGINEERING PROBLEM SOLVING

Course#: G92800_0 **Credit: 0.5** **Grade Level: 9,10,11,12**

Prerequisite: Introduction to Engineering & Architectural Design (formerly Engineering Graphics)

Your STEM pathway to high demand and high wage careers continues here where you will build on the skills learned from Intro to Engineering & Architectural Design. Explore, through hands-on projects, how your ideas become a reality. Students will advance their skills using 3D solid modeling software and industry equipment (3D Printers, laser cutters and CNC mills) to design solutions that solve real world problems. Design, imagination, and creativity are all key elements within this course. This class is project-oriented and will give each student an excellent background for future engineering and technical career programs. Students will also gain exposure to regional and state competitions.

ARCHITECTURAL/INTERIOR DESIGN A

Course#: 92300_1 **Credit: 0.5** **Grade Level: 10,11,12**

Prerequisite: Introduction to Engineering & Architectural Design (formerly Engineering Graphics)

Interested in a rewarding architecture, interior design or civil engineering career? Students explore architectural design through hands-on projects, using various 3D modeling programs and seeing how to use industry equipment (3D Printers, Laser Cutters and CNC mills) to design residential or commercial projects. Your imagination is your only limit. This course provides you with the freedom to design and create a digital simulation of an architectural structure. Opportunities to participate in architectural competitions and field trips to expand exposure to architectural styles and influences are also offered throughout the course.

ARCHITECTURAL/INTERIOR DESIGN B

Course#: 92300_2 **Credit: 0.5** **Grade Level: 10,11,12**

Prerequisite: Architectural/Interior Design A

This hands-on course continues from the Architectural/Interior Design A course exploring careers in architecture, interior design or civil engineering. Students explore how to create their own architectural design, illustrations and modeling to present to potential clients. Students continue strengthening their skills using various 3D modeling programs and industry equipment (3D Printers, Laser Cutters and CNC mills) to design solutions to design challenges. Your imagination is your only limit. This course provides you with the freedom to create a digital simulation and to model the experiences and challenges that civil engineers and architects face. Opportunities to participate in architectural competitions and field trips to expand exposure to architectural styles and influences are also offered throughout the course.

ENGINEERING/TECHNOLOGY

Course#: G92900_0 **Credit: 0.5** **Grade Level: 9,10,11,12**

Prerequisites: Introduction to Engineering & Architectural Design (formerly Engineering Graphics) and students are encouraged to take Engineering Problem Solving first.

Continuing from Engineering Problem Solving students explore what it is like to be an engineer, through hands-on projects. Students gain confidence using 3D solid modeling software and Industry equipment (3D printers, laser cutters and CNC mills) to design solutions that solve real world problems. The major focus is to expose students to the design process, engineering concepts, teamwork, communication methods, and global & human impacts. Students will also gain exposure to regional and state competitions.

ADVANCED ENGINEERING AND DESIGN

Course#: G92100_0 **Credit: 0.5** **Grade Level: 10, 11,12**

Prerequisite: Engineering Technology A & B

This course builds on the skills learned in Engineering Technology A and B. Emphasis will be placed on advanced concepts and features in industry-leading 3D solid modeling software and Industry equipment to design solutions that solve real world problems. The focus of the course will be on individual student projects and allowing students to progress at their own pace. Students will also gain exposure to regional and state competitions. This course is project-oriented and will give each student an excellent background for future engineering and technical career programs. This course can be taken in both semesters.

INTRO TO CODING AND GAME DESIGN

Course#: G92415_1 **Credit: 0.5** **Grade Level: 9,10,11,12**

Coding is the language of a modern society. Code runs our software, systems, apps, and games. Learning how to read, write, and create code empowers students to move from users of technology to creators. In this course, students will learn the basics of multiple programming languages that will allow them to create websites, build apps, modify games, and run robots.

VISUAL, PERFORMING AND APPLIED ARTS (ART)

APPLIED VISUAL ARTS

Course#: G93600_0 **Credit: 0.5** **Grade Level: 10,11,12**

The Applied Visual Arts Course will build upon the knowledge and skills gained in various VPAA class (Video Pro., Sound Pro., Computer Art, Photography, Journalism, etc.) and apply them in real world scenarios. This will allow students to practice authentic design and production skills, collaborative problem solving, time management and leadership abilities to realize relevant outcomes to site-based media and design needs. Students will broaden their understanding of professional print and web design software as well as video and sound production suites and equipment. This will involve hands-on, in-the-field use of state of the art equipment and concepts. Students will have multiple opportunities to interact and learn from local professional design firms, photography studios and video production companies. Students will collaborate across multiple design and production disciplines, working in multiple small groups to achieve a shared published result.

CERAMICS I

Course#: G64600_5 **Credit: 0.5** **Grade Level: 9,10,11,12**

The ceramics course consists of learning to become proficient in hand building techniques such as pinch, coil, and slab built pottery. Students will also be introduced to the potter's wheel. Students will also learn various surface decoration techniques, in addition to traditional glazing. Students will focus on both historical pottery forms as well as contemporary ceramics.

CERAMICS II

Course#: G64610_5 **Credit: 0.5** **Grade Level: 9,10,11,12**

Prerequisite: Ceramics I or instructor approval

The skills learned in Ceramics I are the foundation for learning in this course. The creation of more complex hand built forms will be explored as well the continuation of wheel forms. We will continue to explore and use various glazing and surface decoration techniques, as well as continue the study of pottery and ceramic forms-both historical and contemporary.

COMPUTER ART

Course#: G60300_5 **Credit: 0.5** **Grade Level: 9,10,11,12**

Students will create digital art images using Adobe Photoshop, Adobe Illustrator and other industry-standard software programs. Fine art techniques will be explored as well as production methods and standards for practical and commercial graphic design purposes. There will be an emphasis on technique, proficiency and efficiency with programs, and sound principles of visual design. An advanced level of this course is available with instructor approval. Transcript will reflect an advanced credit earned.

DRAWING I

Course#: G63900_5 **Credit: 0.5** **Grade Level: 9,10,11,12**

Drawing is the foundation for most other art courses and should be practiced continually by the interested art student. The course will emphasize developing skills and basic drawing techniques. Students will be required to keep a sketchbook.

DRAWING II

Course#: G63910_5 **Credit: 0.5** **Grade Level: 9,10,11,12**

Prerequisite: Drawing I or instructor approval

This course is a continuation of Drawing I and will continue to refine basic drawing techniques as well as explore new innovative drawing techniques. Students will be required to keep a sketchbook. Successful completion of Drawing I is a prerequisite to Drawing II. Successful completion of Drawing II prepares interested students for Advanced Placement Studio Art.

METALS & JEWELRY I

Course#: G64400_5 **Credit: 0.5** **Grade Level: 9,10,11,12**

This course covers basic techniques and concepts of metalsmithing such as cutting, sawing, drilling, riveting, filing, and casting. Students will learn both cold and heat joining fabrication techniques to create a variety of projects including key chains, necklaces, earrings, pins, and rings. Materials for required work will be provided. Students may supply their own sterling silver or other optional materials such as beads, chains, and cords.

METALS & JEWELRY II

Course#: G64410_5 **Credit: 0.5** **Grade Level: 9,10,11,12**

Prerequisite: Metals & Jewelry I or instructor approval

This course is a continuation of Metals and Jewelry I and will emphasize cold and heat joining fabrication techniques, as well as an introduction to small scale casting, bending, and forming techniques. Materials for required work will be provided. Students may supply their own sterling silver or other optional materials such as beads, chains, and cords.

PAINTING I

Course#: G64000_5 **Credit: 0.5** **Grade Level: 9,10,11,12**

This course will explore techniques in painting. Media to be used includes watercolor, acrylics, and tempera. Surfaces such as paper, canvas board, Masonite, and canvas cloth will be prepared for painting. A study of some historical approaches to painting will lead to traditional and innovative techniques in class.

PAINTING II

Course#: G64010_5 **Credit: 0.5** **Grade Level: 9,10,11,12**

Prerequisite: Drawing I and Painting I or instructor approval

This course will expand on techniques studied in Painting I. Media to be used includes watercolor, acrylics, and tempera. Surfaces such as paper, canvas board, Masonite, and canvas cloth will be prepared for painting. A more in depth study of historical approaches to painting will lead to traditional and innovative techniques in class.

PHOTOGRAPHY I

Course#: G60700_5 **Credit: 0.5** **Grade Level: 9,10,11,12**

This class explores a wide variety of digital photography techniques. In a hands-on environment, students will learn to create strong photographic compositions and will understand how and why a digital SLR camera works. There is a strong emphasis on utilizing the elements and principles of design throughout the creation process. Students will research, keep a portfolio, have class critiques, individual critiques, and artistic dialogues that will inspire them as they create. Students will have the opportunity to print or publish their work, exhibit their work within the community and develop the fine craft of art photography in an interactive, hands-on learning environment.

PHOTOGRAPHY II

Course#: G63600_5 **Credit: 0.5** **Grade Level: 9,10,11,12**

Prerequisite: Photography I or instructor approval

This class is designed for students who have successfully completed Photography I, can demonstrate advanced photographic techniques and who are seriously interested in the practical experience of art photography. At the end of the term, students will submit a portfolio for review. In building the portfolio, students experience a variety of concepts, techniques, and approaches designed to help them demonstrate their abilities as well as their versatility with techniques, problem solving, and ideation. The portfolio is also partially developed within a concentration that investigates an idea of personal interest for each individual student. Students will be introduced to new photographers, artists, digital artists and more sophisticated techniques as points of departure to create work that reflects that individual student's spirit and vision. Students may be required to visit off-campus sites to complete photography assignments.

PHOTOGRAPHY III

Course#: G63700_5 **Credit: 0.5** **Grade Level: 10,11,12**

Prerequisite: Photography II or instructor approval

This class is designed for students who have successfully completed Photography I and 2, can demonstrate advanced photographic techniques and who are seriously interested in the practical experience of art photography. At the end of the term, students will submit a portfolio for review. In building the portfolio, students experience a variety of concepts, techniques, and approaches designed to help them demonstrate their abilities as well as their versatility with techniques, problem solving, and ideation. The portfolio is also partially developed within a concentration that investigates an idea of personal interest for each individual student. Students will be introduced to new photographers, artists, digital artists, and more sophisticated techniques as points of departure to create work that reflects that individual student's spirit and vision. Students may be required to visit off-campus sites to complete photography assignments.

SCULPTURE I

Course#: G64300_5 **Credit: 0.5** **Grade Level: 9,10,11,12**

In this course students will make sculpture by additive (built) and subtractive (carved) process. A variety of media such as cardboard, clay, stone, found objects will be used. Historical and contemporary sculptors and sculpture will be reviewed. Quality craftsmanship and presentation of work will be stressed along with creative involvement with the assignments.

SCULPTURE II

Course#: G64310_5 **Credit: 0.5** **Grade Level: 9,10,11,12**

Prerequisite: Sculpture I or instructor approval

In this course, students will build on the skills learned in Sculpture I. Students will continue to explore and create art through the various media and process introduced in Sculpture I.

INDEPENDENT STUDY ART

Course#: G64800_0 **Credit: 0.5** **Grade Level: 9,10,11,12**

Prerequisite: Sculpture I or instructor approval

This course continues to refine basic drawing techniques, as well as explore new innovative drawing techniques. Students are able to work independently at their own pace and projects. Typically available only at Traverse City High School.

STUDIO ART (ADVANCED PLACEMENT) DRAWING

Course#: G64710_1 **Credit: 1** **Grade Level: 11,12**

Prerequisite: Drawing in 9th grade or beyond, successful completion of required summer artwork prior to beginning of school or a portfolio of required drawings.

The Drawing Portfolio is intended to address a very broad interpretation of drawing issues and media. Line quality, light and shade, rendering of form, composition, surface manipulation, the illusion of depth and mark-making are drawing issues that can be addressed through a variety of means, which could include painting, printmaking, mixed media, etc. Abstract and observational works may demonstrate drawing competence. The range of marks used to make drawings, the arrangement of those marks, and the materials used to make the marks are endless. There is no preferred (or unacceptable) style or content. Any work submitted in the Drawing Portfolio that incorporates digital or photographic processes must address issues such as those listed above. Using computer programs merely to manipulate photographs through filters, adjustments or special effects is not appropriate for the Drawing Portfolio.

STUDIO ART (ADVANCED PLACEMENT) 2-D DESIGN

Course#: G64720_1 **Credit: 1** **Grade Level: 11,12**

Prerequisite: Drawing in 9th grade or beyond, successful completion of required summer artwork prior to beginning of school or a portfolio of required drawings.

The 2-D Design Portfolio is intended to address two-dimensional (2-D) design issues. Design involves purposeful decision making about how to use the elements and principles of art in an integrative way. The principles of design (unity/variety, balance, emphasis, contrast, rhythm, repetition, proportion/scale, figure/ground relationships) can be articulated through the visual elements (line, shape, color, value, texture, space). They help guide artists in making decisions about how to organize an image on a picture plane in order to communicate content. Effective design is possible whether one uses representational or abstract approaches to art. For this portfolio, students are asked to demonstrate mastery of 2-D design through any two-dimensional medium or process, including, but not limited to, graphic design, digital imaging, photography, collage, fabric design, weaving, fashion design, fashion illustration, painting and printmaking. Video clips, DVDs, CDs and three-dimensional works may not be submitted. However, still images from videos or films are accepted.

STUDIO ART (ADVANCED PLACEMENT) 3-D DESIGN

Course#: G64730_1 **Credit: 1** **Grade Level: 11,12**

Prerequisite: Drawing in 9th grade or beyond, successful completion of required summer artwork prior to beginning of school or a portfolio of required drawings.

The 3-D Design Portfolio is intended to address sculptural issues. Design involves purposeful decision making about using the elements and principles of art in an integrative way. In the 3-D Design Portfolio, students are asked to demonstrate their understanding of design principles as they relate to the integration of depth and space, volume and surface. The principles of design (unity/variety, balance, emphasis, contrast, rhythm, repetition, proportion/scale, and occupied/unoccupied space) can be articulated through the visual elements (mass, volume, color/light, form, plane, line, texture). For this portfolio, students are asked to demonstrate mastery of 3-D design through any three-dimensional approach, including, but not limited to, figurative or nonfigurative sculpture, architectural models, metal work, ceramics, glass work, installation, assemblage and 3-D fabric/fiber arts. There is no preferred (or unacceptable) style or content.

STUDIO ART (ADVANCED PLACEMENT) PHOTOGRAPHY

Course#: G64740_1 **Credit: 1** **Grade Level: 11,12**

Prerequisite: Photography I and II classes in 9th grade or beyond, successful completion of required summer artwork prior to beginning of school, or a portfolio of required photographic works approved by instructor.

The Photography Portfolio is intended to address two-dimensional (2-D) design issues using photography as the artistic medium. There are three parts that comprise the final portfolio: quality; concentration; and breadth. Students will learn how to strengthen their photographic skills and will work on creating their own personal body of work. This work will demonstrate personal artistic growth. Students will write and revise a personal artist's statement to help focus artistic goals and to meet AP College Board portfolio submission requirements. The principles of design (unity/variety, balance, emphasis, contrast, rhythm, repetition, proportion/scale, figure/ground relationships), as well as the elements of design (line, shape, color, value, texture, space), will be studied and incorporated into individual works. This knowledge and history will help students to make creative choices about how to organize the elements on a photographic plane in order to communicate concepts, visions, and personal expression. Each assignment will help students to work towards creating their personal portfolio.

VISUAL, PERFORMING AND APPLIED ARTS (MUSIC)

CONCERT BAND

Course#: G65800_1 **Credit: 1** **Grade Level: 9,10,11,12**

Prerequisite: Enrollment in this class is based on audition and is a year-long commitment.

This class is primarily for students who are developing musical skills. The emphasis of the class will be on the application of basic skills involved to play, read and understand the many facets of instrumental music necessary for successful participation in the TCAPS band program and MSBOA events. High school members of the Concert Band are required to participate in the Marching Band. Attendance at out-of-school practices and performances is required.

JAZZ BAND

Course#: G69100_1 **Credit: 1** **Grade Level: 9,10,11,12**

Prerequisite: Enrollment in this class is based on audition and is a year-long commitment.

This course is offered as an every other day class, meeting five times over a period of two weeks. The emphasis of the class will be on establishing and developing skills involved to play, read, and understand the many facets of instrumental jazz music. Special emphasis will be placed on improvisation skills, jazz theory, style, and history of jazz. Attendance at out-of-school practices and performances is required.

SYMPHONY BAND

Course#: G66600_1 **Credit: 1** **Grade Level: 9,10,11,12**

Prerequisite: Enrollment in this class is based on audition and is a year-long commitment.

This class is for students with advanced musical skills. The emphasis of the class will be on developing and reinforcing advanced skills involved to play, read, and understand the many facets of instrumental music necessary for successful participation in the TCAPS band program and MSBOA events. Attendance at out-of-school practices and performances is required. High school members of the Symphony Band are required to participate in the Marching Band.

WIND ENSEMBLE

Course#: G66000_1 **Credit: 1** **Grade Level: 9,10,11,12**

Prerequisite: Enrollment in this class is based on audition and is a year-long commitment.

This class is for students with very advanced musical skills. The emphasis of the class will be on developing and reinforcing advanced skills involved to play, read, and understand the many facets of instrumental music necessary for successful participation in the TCAPS band program and MSBOA events. Attendance at out-of-school practices and performances is required. High school members of the Wind Ensemble are required to participate in the Marching Band.

MUSIC THEORY

Course#: G69000_0 **Credit: 0.5** **Grade Level:10, 11,12**

Music Theory is a non-performance class designed for those students who are considering a music major on the college level, or who have a serious interest in learning more about the technical and theoretical aspects of music. The course will deal with rhythmic, harmonic, and melodic skills necessary for success in either a performing group, or in continued study of music.

MUSIC THEORY (ADVANCED PLACEMENT)

Course#: G69200_1 **Credit: 1** **Grade Level:10, 11,12**

Learn to recognize, understand, and describe the basic materials and processes of music. You'll develop skills by listening to, reading, writing, and performing a wide variety of music. This course is offered at Central High School. If interested, inquire with your counselor about how you could take this course.

PHILHARMONIC ORCHESTRA

Course#: G65900_1 **Credit: 1** **Grade Level: 11,12**

Prerequisite: Enrollment in this class is based on audition and is a year-long commitment.

Philharmonic strings is designed for students with very advanced performance, theory, ensemble, and musical skills. Performances include holiday programs, district and state band and orchestra festivals, district solo and ensemble festivals, spring concerts and community outreach. Attendance at out-of-school practices and performances is required.

SYMPHONY ORCHESTRA

Course#: G66700_1 **Credit: 1** **Grade Level: 9,10,11,12**

Prerequisite: Enrollment in this class is based on audition and is a year-long commitment.

Emphasis will be placed on developing musical maturity and expression, left-hand facility through 5th position and advancing bow techniques. Performances include holiday programs, district and state band and orchestra festivals, district solo and ensemble festivals, and spring concerts. Attendance at out-of-school practices and performances is required.

BEL CANTO

Course#: G69700_1 **Credit: 1** **Grade Level: 9,10,11,12**

Prerequisite: Choose the course YOU ARE CURRENTLY ENROLLED IN. Course requires try-out and placement from Band/Orchestra/Vocal instructors. Placements and adjustments will be made when the try-out lists are posted.

This auditioned ensemble is designed for the singer who has demonstrated advanced vocal technique, theory, ensemble and musical skills. Singers in this choir must have vocal ranges that fall within the categories of soprano, mezzo-soprano, and/or alto. Attendance at out-of-school practices and performances is required.

CHORAL-AIRES

Course#: G69600_1 **Credit: 1** **Grade Level: 9,10,11,12**

Prerequisite: Enrollment in this class is based on audition.

This class is designed for students with advanced vocal technique, theory, ensemble and musical skills with many performance opportunities scheduled throughout the year. Additional large ensemble membership is strongly encouraged. Attendance at out-of school practices and performances is required.

CHORALE

Course#: G69500_1 **Credit: 1** **Grade Level: 9,10,11,12**

Prerequisite: Enrollment in this class is based on audition.

Chorale is an advanced choir, demonstrating advanced vocal technique, theory, ensemble, and musical skills with many performance opportunities scheduled throughout the year. Attendance at out-of-school practices and performances is required.

CON BRIO

Course#: G66300_1 **Credit: 1** **Grade Level: 9,10,11,12**

Prerequisite: Choose the course YOU ARE CURRENTLY ENROLLED IN. Course requires try-out and placement from Band/Orchestra/Vocal instructors. Placements and adjustments will be made when the try-out lists are posted.

The emphasis of the class will be on advancing skills involving vocal techniques, reading music and understanding the many facets of vocal music necessary for successful participation in the TCAPS choir program. Students in this choir must have vocal ranges that fall within the categories of tenor, baritone and/or bass. This course is designed for but not limited to first and second year students at the high school level. Attendance at out of school practices and performances is required.

CANTATE

Course#: G66500_1 **Credit: 1** **Grade Level: 9,10,11,12**

Prerequisite: Choose the course YOU ARE CURRENTLY ENROLLED IN. Course requires try-out and placement from Band/Orchestra/Vocal instructors. Placements and adjustments will be made when the try-out lists are posted.

The emphasis of the class will be on advancing skills involving vocal techniques, reading music and understanding the many facets of vocal music necessary for successful participation in the TCAPS choir program. Students in this choir must have vocal ranges that fall within the categories of soprano, mezzo-soprano and/or alto. This course is designed for but not limited to first and second year students at the high school level. Attendance at out of school practices and performances is required.

WORLD LANGUAGE

FRENCH I

Course#: G40200_1 **Credit: 1** **Grade Level: 9,10,11,12**

French I is a fast-paced, challenging course that stresses listening, speaking, reading, and writing skills. Students learn how to communicate in the new language in various real life situations such as school, travel, friends, family, sports, and leisure activities. Students also study the cultural aspects such as food, holidays, music, and the arts of various French-speaking countries. All students will have the opportunity to earn high school credit by meeting the state achievement standard.

FRENCH II

Course#: G43800_1 **Credit: 1** **Grade Level: 10,11,12**

Prerequisite: French I successfully completed

French II is a continuation of French I, with increased emphasis on reading and writing, and continued practice in the oral use of the language. Cultural material is integrated into the learning process so students acquire a greater awareness of the French-speaking world.

FRENCH III

Course#: G43900_1 **Credit: 1** **Grade Level: 11,12**

Prerequisite: French II successfully completed

This course expands growth in language ability and cultural understanding. This is accomplished through vocabulary and grammatical expansion and development. This class will be presented primarily in the target language and students are expected to participate in the target language during class time.

FRENCH IV

Course#: G44000_1 **Credit: 1** **Grade Level: 11,12**

Prerequisite: French III successfully completed

This course is designed to develop effective communication skills, emphasizing listening comprehension and speaking in situational contexts. Units will be built around aspects of French and francophone cultures, exploring history, literature, art, music and other aspects of Francophone culture. This class is presented in French and students are expected to participate in French during class time.

FRENCH V

Course#: G42200_1 **Credit: 1** **Grade Level: 12**

Prerequisite: French IV successfully completed

This level five course is a communication-based course for students who have successfully completed level four. Students will continue to build the reading, writing, listening and speaking skills that they developed in level four. This class will be conducted primarily in the target language and students will be expected to participate in the target language.

GERMAN I

Course#: G40500_1 **Credit: 1** **Grade Level: 9,10,11,12**

German I is a fast-paced course which stresses language acquisition through Total Proficiency through Reading and Storytelling (TPRS). Students will learn to communicate in German in various real life situations: school, travel, friends, family, sports, and leisure activities. Students will also study cultural aspects of various German-speaking countries such as food, holidays, and music. All students will have the opportunity to earn high school credit by meeting the state achievement standard.

GERMAN II

Course#: G44100_1 **Credit: 1** **Grade Level: 10,11,12**

Prerequisite: German I successfully completed

German II is a continuation of German I, with increased emphasis on speaking and reading in order to further develop fluency through Total Proficiency through Reading and Storytelling (TPRS). Cultural material is integrated into the learning process so students acquire a greater awareness of the German-speaking world.

GERMAN III

Course#: G44200_1 **Credit: 1** **Grade Level: 10,11,12**

Prerequisite: German II successfully completed

This is a course organized to assist students to grow in language ability and cultural understanding. This is accomplished through vocabulary expansion and development in useful conversations and a comprehensive review of grammatical concepts. This class combines language and culture for students who have studied the basic concepts of German.

GERMAN IV

Course#: G44300_1 **Credit: 1** **Grade Level: 10,11,12**

Prerequisite: German III successfully completed

This course is designed to develop effective communication skills, emphasizing listening comprehension and speaking in situational contexts. Units will be built around aspects of Germanic cultures, including units on: phonetics, Germanic cuisine, cinema, music, art and customs. Reading and writing may be done as reinforcement to oral communication skills.

GERMAN V

Course#: G43000_1 **Credit: 1** **Grade Level: 11,12**

Prerequisite: German IV successfully completed

This level five course is a communication-based course for students who have successfully completed level four. Students will continue to build the reading, writing, listening and speaking skills that they developed in level four. This class will be conducted primarily in the target language and students will be expected to participate in the target language.

SPANISH I

Course#: G40800_1 **Credit: 1** **Grade Level: 9,10,11,12**

Spanish I is a class that emphasizes listening, speaking, reading, and writing skills. Students learn how to communicate in various real-life situations, and also study cultural aspects of Spanish-speaking countries. This class is presented in Spanish and English, and students are expected to participate in Spanish during class time. All students will have the opportunity to earn high school credit by meeting the state achievement standard.

SPANISH II

Course#: G44400_1 **Credit: 1** **Grade Level: 10,11,12**

Prerequisite: Spanish I successfully completed

Spanish II is a continuation of Spanish I with increased emphasis on reading and writing, and on-going practice in the spoken language. Cultural materials are integrated into the learning process so students acquire a greater awareness of the Spanish-speaking world. This class is presented in Spanish and English, and students are expected to participate in Spanish during class time.

SPANISH III

Course#: G44500_1 **Credit: 1** **Grade Level: 10,11,12**

Prerequisite: Spanish II successfully completed

Spanish III is a continuation of Spanish II and increases language use and cultural understanding. This is accomplished through vocabulary expansion, conversations, and comprehensive review of grammatical concepts. This class is presented in Spanish and students are expected to participate in Spanish during class time.

SPANISH IV

Course#: G44600_1 **Credit: 1** **Grade Level: 10,11,12**

Prerequisite: Spanish III successfully completed

Spanish IV is a continuation of Spanish III and further develops the language skills of listening, speaking, reading, and writing. Students explore art, literature, music, and other aspects of Hispanic culture. This class is presented in Spanish and students are expected to participate in Spanish during class time.

SPANISH V

Course#: G42000_1 **Credit: 1** **Grade Level: 11,12**

Prerequisite: Spanish IV successfully completed

This level five course is a communication-based course for students who have successfully completed level four. Students will continue to build the reading, writing, listening and speaking skills that they developed in level four. This class will be conducted primarily in the target language and students will be expected to participate in the target language.

AMERICAN SIGN LANGUAGE I

Course#: G41000_1 **Credit: 1** **Grade Level: 9,10,11,12**

American Sign Language (ASL) I introduces students to the language and culture of Deaf people in the United States and most of Canada. This course will focus on building vocabulary and dialogue structures needed for introductory conversation about purposeful topics, the use of non-manual grammatical markers such as facial expression, use of fingerspelling and numbers, and an introduction to the rich history and culture of the Deaf Community. Students will participate in interactive classroom activities using a "voices off" policy to ensure ASL immersion. ASL courses meet Michigan World Language credit requirements.

AMERICAN SIGN LANGUAGE II

Course#: G41500_1 **Credit: 1** **Grade Level: 10,11,12**

Prerequisite: Successful completion of American Sign Language I

American Sign Language (ASL) II furthers student knowledge and experience of the language and culture of Deaf people in the U.S. and much of Canada. The introduction of additional vocabulary and grammar structures furthers students' ability to communicate meaningfully with ASL users. Students will develop greater insight into the Deaf culture through the context of ASL literature, and current topics relevant to the Deaf Community are explored. "Voice off" policy is used for more extended periods of time. While developing communication skills, students will simultaneously mature in their understanding of the deaf experience. ASL courses meet Michigan World Language credit requirements.

AMERICAN SIGN LANGUAGE III

Course#: G42100_1 **Credit: 1** **Grade Level: 11,12**

Prerequisite: Successful completion of American Sign Language II

This course builds on skills learned in American Sign Language (ASL) I and II, adding more complex ASL grammatical features and vocabulary, short stories, narratives, and dialogues. The course will include a description of general surroundings, appropriate sequencing, temporal aspects, and conditionals. Information about the Deaf Community and Deaf Culture will be included.

GERMAN LANG/CULTURE (AP) - A

Course#: G43300_1 **Credit: 0.5** **Grade Level: 9,10,11,12**

The AP German Language and Culture course emphasizes communication (understanding and being understood by others) by applying interpersonal, interpretive, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. The AP German Language and Culture course strives not to overemphasize grammatical accuracy at the expense of communication. To best facilitate the study of language and culture, the course is taughtalmost exclusively in German. The AP German Language and Culture course engages students in an exploration of culture in both contemporary and historical contexts. The course develops studentsΔ awareness and appreciation of cultural products (e.g., tools, books, music, laws, conventions, institutions); practices (patterns of social interactions within a culture); and perspectives (values, attitudes, and assumptions).Your scores on Advanced Placement (AP) exams might earn you credit for classes at NMC. See Fasttrack Your High School Experience in the course guide for more details.

GERMAN V-A

Course#: G43000_1 **Credit: 0.5** **Grade Level: 9,10,11,12**

This level five course is a communication-based course for students who have successfully completed level four. Students will continue to build the reading, writing, listening and speaking skills that they developed in level four. This class will be conducted primarily in the target language and students will be expected to participate in the target language.

GERMAN VI-A

Course#: G43010_1 **Credit: 0.5** **Grade Level: 9,10,11,12**

This level six course is a communication-based course for students who have successfully completed level five. Students will continue to build the reading, writing, listening and speaking skills that they developed in level five. This class will be conducted primarily in the target language and students will be expected to participate in the target language

SPANISH VI-A

Course#: G44700_1 **Credit: 0.5** **Grade Level: 9,10,11,12**

This level six course is a communication-based course for students who have successfully completed level five. Students will continue to build the reading, writing, listening and speaking skills that they developed in level five. This class will be conducted primarily in the target language and students will be expected to participate in the target language.

NORTH ED CAREER TECH CURRICULUM OFFERINGS

Prerequisite: These are Northwest Education Services Career Tech courses. Students will spend 1/2 day at Career Tech with these course selections (AM for CSH and PM for WSH). Students should choose an alternate Career Tech course as these courses fill up quickly and preference is given to seniors. The alternate choice MAY NOT be Welding, Auto Repair, Collision Repair, or Culinary Arts. Programs with * indicate Early College Pathway available.

FILM AND NEW MEDIA

Course#: R77600_1 **Credit: 3** **Grade Level: 11,12**

Learn to communicate effectively using the visual media that dominates communication today. If you learn to tell a good story through video, you can persuade more people, sell more products, and raise more awareness. Learn all aspects of planning and executing effective video communications while mastering the most powerful medium of our time.

GRAPHIC ARTS

Course#: R78500_1 **Credit: 3** **Grade Level: 11,12**

Explore the print and design industry while you acquire hands-on experience and skills in digital imaging and visual communications. Use state-of-the-art software and production equipment as you work independently and collaboratively. Apply creativity, graphic design foundation skills, and project management to produce stunning visual images. The outcome is a professional commercial portfolio for work or college that is a cut above.

BUSINESS CAREERS*

Course#: R79900_1 **Credit: 3** **Grade Level: 11,12**

Choose from three pathways in this program: general business, accounting, or Early College accounting. General business provides students an overview of business careers. Accounting pathways provide an introduction for students to learn how to keep track of a business's finances with options to earn college credit.

CULINARY ARTS

Course#: R79100_1 **Credit: 3** **Grade Level: 11,12**

Develop and apply cooking and serving techniques in the World Class Cafe', our student run restaurant. You will learn all aspects of the industry including basic cooking skills, baking, catering, and front-of-the-house hospitality.

INFORMATION TECHNOLOGY*

Course#: R78300_1 **Credit: 3** **Grade Level: 11,12**

Gain technical expertise with hands-on projects using current and legacy hardware and software. You will learn to design, implement, and support the technology that business and industry use today. Physical equipment and software is used to simulate local area network environments. Students have opportunities to earn industry-recognized certification.

WEB AND APP DEVELOPMENT

Course#: R78200_1 **Credit: 3** **Grade Level: 11,12**

Use desktop and web-based applications to learn the basics of game programming, web design, and web programming. You will prepare for internships or a career in fields such as computer science, multimedia & visual communication, graphic arts, and game programming.

ROBOTICS AND AUTOMATION*

Course#: R78110_1 **Credit: 3** **Grade Level: 11,12**

Explore technology applied in modern manufacturing where designers, inventors, technicians, electricians, programmers, and engineers thrive. Prepare for in-demand careers while learning about electricity, electronics, micro controllers, CAD, CNC, 3D Printing, motors, fluid power, machining, and fabrication. Students compete in an autonomous vehicle competition and can earn 6 college credits.

COLLISION REPAIR

Course#: R79600_1 **Credit: 3** **Grade Level: 11,12**

Repair automobile and light truck bodies while you develop the technical competencies needed in this field. Bodywork involves MIG welding, repairing damaged body panels, body panel replacement, and plastic filler applications. You will acquire hands-on experience using welding equipment, specialized tools, and paint spray equipment.

AUTO REPAIR

Course#: R79400_1 **Credit: 3** **Grade Level: 11,12**

Develop your skills as an automotive technician using industry-standard curriculum and on-the-job experiences at area shops and dealerships. This course follows the ASE-aligned and NATEF-certified Maintenance and Light Repair Curriculum. You will focus on building the skills to transition directly into the workforce or to a post-secondary learning opportunity.

CONSTRUCTION TRADES

Course#: R79200_1 **Credit: 3** **Grade Level: 11,12**

Use a wide array of power and hand-held tools to complete projects. Gain an understanding of blueprints, use of layout instruments, learn proper installation of concrete flat work and masonry, rough and finish carpentry, drywall, building codes and laws, and general construction safety.

ELECTRICAL OCCUPATIONS

Course#: R78600_1 **Credit: 3** **Grade Level: 11,12**

Gain working knowledge of the technological aspects of electricity; electronics; utility and electrical distribution; air conditioning; heating; refrigeration; and residential, commercial, and industrial wiring. You can prepare for post-secondary training or apprenticeships in residential and commercial wiring, utility or high voltage, or HVAC. This program is also a good option for students interested in robotics, automation, or manufacturing.

ENGINEERING ACADEMY*

Course#: R78000_1 **Credit: 4** **Grade Level: 11,12**

Prerequisite: Students who choose Engineering Academy would have to provide their own transportation to Engineering Academy as they start at 7:30 a.m. This course runs from 7:30 a.m. until 11:30 a.m. each day.

As a state and national award-winning STEM program, the Engineering Academy offers rigorous academic and engineering classes with a focus on math, science, and physics. Students earn a total of 8.5 academic and elective credits in this two-year program. Cross-curricular topics include 3D printing, basic construction and machining, computer-aided design, electrical, pneumatic systems, and statistics. A capstone project has students work in teams to design, build, and compete with robots at the National Robotics Challenge. This unique student culture is centered around problem-solving, critical thinking, and teamwork.

POWER EQUIPMENT

Course#: R77800_1 **Credit: 3** **Grade Level: 11,12**

Disassemble, measure, and reassemble two-stroke and four-stroke engines. Gain training in shop practices and safety skills. Develop expertise in engine systems including starting, charging, ignition, electrical, lubrication, and cooling system theory and service. Learn how to service all makes and models of power equipment; from lawn tractors to motorcycles.

PRECISION MACHINING*

Course#: R78100_1 **Credit: 3** **Grade Level: 11,12**

Develop entry level career skills in the machine tool field. Gain technical knowledge and skills in the set-up and operation of manual and CNC operated machine tools. Skilled machinist jobs are in high demand with well-paying cooperative work opportunities available while students complete high school graduation requirements.

WELDING*

Course#: R77500_1 **Credit: 3** **Grade Level: 11,12**

Gain practical experience in the set up and use of equipment and processes common to current welding trade standards. Learning and mastering a variety of welds on different metals and types of welding equipment, students leave prepared for entry level employment or college readiness. Students can compete in competitions and prepare for earning American Welding Society (AWS) credentials.

EARLY EDUCATION

Course#: R78900_1 **Credit: 3** **Grade Level: 11,12**

Prepare for careers working with children and families by learning about human growth and development, and creating lesson and activity plans. Earn safety training certificates including CPR and first aid, and explore child-related career opportunities. Students will spend time with child and family experts by participating in job shadows and work experiences to understand early childhood education.

PUBLIC SAFETY*

Course#: R77200_1 **Credit: 3** **Grade Level: 11,12**

Gain a broad base of practical experience and content knowledge for careers in public safety, including law enforcement, firefighting, military, and emergency medical services. Participate in job shadows/work experiences to better understand the criminal justice field.

TEACHER ACADEMY*

Course#: R77700_1 **Credit: 3** **Grade Level: 11,12**

Prerequisite: This course places the student in a classroom one hour a day assisting and instructing students - often in local elementary buildings.

Explore the teaching profession in this national award-winning program. Spend one hour a day in the classroom of a host teacher. Each marking period you will change placements and experience a variety of subjects and grade-levels. This program allows you to remain at your home school, with opportunities to attend conferences, field trips, and site visits with other students and mentor teachers. If you've ever considered a career in education, this program is for you.

AGRISCIENCE*

Course#: R78400_1 **Credit: 3** **Grade Level: 11,12**

Gain hands-on experience with hydroponics, aquaculture, and animal science in our 3,624 square feet of greenhouse facilities. Study natural resource issues such as Great Lakes ecology and participate in animal husbandry, raising animals, and understanding the complexities of animal growth. Be a part of planting, growing, and managing greenhouse plants and agronomic crops.

WRITERS' STUDIO*

Course#: R79700_1 **Credit: 3** **Grade Level: 11,12**

Students who crave the written word thrive here. Develop creative and professional writing skills that will be helpful in any career, and give you a leg up in journalism, multimedia work and professional communications. Learn various writing styles from professional writers and take advantage of opportunities to publish, perform, and produce in an environment of supportive peers.

HEALTH SCIENCES*

Course#: R77901_4 **Credit: 3** **Grade Level: 11, 12**

Gain the knowledge and skills required for employment in one of the hottest job markets. Coursework includes anatomy and physiology, medical terminology, health maintenance, safety, CPR/First Aid certification, and fundamental patient-care skills. Gain valuable experience through hands-on clinical learning hospitals, long-term care, dental, pharmacy, veterinary, and general family medical practices.

TCAPS Future Course Planner

Michigan Merit Curriculum Graduation Requirements

	Ninth Grade	Tenth Grade	Eleventh Grade	Twelfth Grade
Language Arts (4 Total Credits)	English Language Arts-9	English Language Arts-10	English Language Arts-11 or AP Lang. & Comp. or AP Lit. & Comp. Front Street Writers	English Language Arts-12 AP Lang. & Comp. or AP Lit. & Comp. Front Street Writers
Social Studies (3 Total Credits)	United States History & Geography	World History & Geography or AP World History	11th and/or 12th Grade Civics and Economics	
Mathematics (4 Total Credits)	Algebra I	Geometry	Algebra II	.5 Additional Credit of Math REQUIRED Senior Year
Science (3 Total Credits)	Biology	Chemistry or Physics	One Additional Credit of Science is REQUIRED 11th-12th Grade	
Health & Phys. Ed. (1 Total Credit)	HPE I or Working on Wellness (highly recommended for 9th grade)	One-half (.5) credit is required in Health and one-half (.5) credit is required in Physical Education for a total of one (1.0) Credit of HPE REQUIRED 9th-12th Grade		
World Language (2 Total Credits)	2.0 credits of a World Language is REQUIRED 9th-12th grade OR an equivalent learning experience in grades K-12.			
VPAA (1 Total Credit)	One credit of Visual, Performing and Applied Arts (VPAA) is REQUIRED 9th-12th Grade			
Online Learning	(Currently TCAPS integrates online learning with the English Language Arts courses to satisfy this requirement.)			
Electives				
Total Credits	**6 Credits**	**6 Credits**	**6 Credits**	**6 Credits**

TCAPS Four Year Course Planner

Carefully review applicable graduation requirements for your class.

	Ninth Grade 2 Semesters		Tenth Grade 2 Semesters		Eleventh Grade 2 Semesters		Twelfth Grade 2 Semesters	
Language Arts (4 Total Credits)								
Social Studies (3 Total Credits)								
Mathematics (4 Total Credits)								
Science (3 Total Credits)								
Health & Phys. Ed. (1 Total Credit)								
World Language (2 Total Credits)								
VPAA (1 Total Credit)								
Electives								
Total Credits	6 Credits		6 Credits		6 Credits		6 Credits	

Enrollment Reminders

- Please read ALL of the curriculum guide before choosing courses.
- Complete the Course Selection Sheet using a pencil and print.
- You MUST have a parent signature.
- You MUST select at least six credits for the entire year.
- Check your graduation requirements and review your transcript to double check your progress towards total credits and subject area requirements.
- When listing a full year course on your course selection sheet, list the course in both semesters.

Note for Aspiring College Athletes:

Student-athletes who are interested in eventually participating in college athletics at the Division I or II levels should inform their counselors of this aspiration as soon as possible. There are minimum SAT or ACT scoring requirements, along with GPA requirements to be aware of. There are also a few courses at our school that are not approved as core courses by the NCAA and may impact athletic eligibility at the college level. The courses that are not approved as core courses by the NCAA are Broadcast Communications, Personal Economics and Finance (not approved when used as a math credit), Student Senate, Accounting (I, II, and III), and Math College Placement Prep.

TCAPS High School Counseling Departments		
West Senior High School	**Central High School**	**Traverse City High School**
Counseling Center (231) 933-7700	Counseling Center (231) 933-6540	Counseling Center (231) 933-5884
Tom Ford Jennifer Jandreski Melissa Kamm Blaise Lowe Lauran Pinto Ashley VanLandschoot	Kim Fleming Brandee Ludka Tom Passinault	Lance Morgan