The Automotive Technology program is an innovative, hands-on course that develops technical and personal management skills that are highly desired by employers. With emphasis on safety first, students will learn proper diagnosis, measurement, and repair techniques in our state-of-the-art lab taught by a NATEF/ASE certified instructor (who is also a college automotive instructor). Students plan and implement repair projects, constantly mindful of the safe use of auto lifts, wheel alignment, and a wide variety of hand and electric power tools, as well as computer-based diagnostic tools. Students work both independently and collaboratively on projects developing their teamwork, problem-solving, communication, time management, work ethic, and other critical 21st Century success skills.

Examples of post secondary education pathways in Automotive Technology
- Associate of Applied Science
  - Automotive Technology
- Bachelor of Business Administration (BBA)
- Bachelor of Science in Engineering (BSE)
  - Automotive Engineering Technology
  - Automotive Management
  - Heavy Equipment Technology
  - Electrical Engineering Technology
  - Mechanical Engineering Technology

Examples of post-secondary careers in Automotive Technology
- Auto Service Technician
- Auto Service Technical Writer
- NASCAR Pit Crew
- Auto Parts Associate
- Hot Rod Builder/Custom Auto Shop
- Collision Repair Technician
- Alternative Energy Technician
- Heavy Equipment Repair Technician
- Heavy Equipment Operator
- Aviation Maintenance Technology
- Locomotive Repair Technician
- Marine Service Technology
- Motorcycle Mechanic
- Elevator Repair Technician
- Automotive Sales/Service
- Transportation Logistics
- Small Business Entrepreneur

Field Trips
Within the 2-year program of study, students will have one or more opportunities to visit auto-related sites. Examples: The Fiat Chrysler Automotive (Viper) plant and Stahl’s Museum.

Chippewa Valley High School
Automotive Technology
NATEF Certified Instructor:
Mr. Joseph Hart
E-mail: jhart@cvs.k12.mi.us   (586) 723-2564

Automotive Technology is a CTE program of study certified by the National Automotive Technicians Education Foundation (NATEF) providing students with industry-recognized curriculum approved by Automotive Service Excellence (ASE). Hands-on learning utilizing state-of-the-art technology and equipment is an important part of the experience. Up to 20% of the content is also delivered via online to meet NATEF online learning requirements.
Projects are what allowed me to develop my communication skills through teamwork, my persistence through failure, and my understanding of real-world problems.

Automotive Technology 1A/1B
Grades 10-12 (2 hrs/yr) 2 credits
If you are interested in a career in one of the many automotive-related fields, you are mechanically inclined, or just like working with your hands as well as your mind, this is the place to start! This course is the first in a two-year automotive technology certification program, providing instruction in basic theory and service methods used in the automotive field.

Automotive Technology 2A/2B
Grades 11-12 (2 hrs/yr) 2 credits
This second year course reinforces and builds upon skills learned in Auto Tech 1A/1B. A strong emphasis is placed on methods of repair and service procedures in the Auto Tech shop. Students will work in groups and practice many diagnostic and repair procedures leading to potential ASE Automotive Certification.

Automotive Technology 3A/3B BC
Grade 12 (2 hrs/yr) 2 credits
This third year advanced course emphasizes project-based learning. Primary learning units include Advanced Electrical, Drivability (Engine Performance), Mechanical Unit Repair, Major and Minor Vehicle Diagnosis, Service and Repair. Students will work in small groups and practice many diagnostic and repair procedures leading to potential, additional ASE Auto Certifications.

Articulation and Apprenticeship
Students who successfully complete Auto Tech 2A/2B or 3A/3B may be eligible for articulated college credit at Macomb Community College, Washtenaw Community College and Henry Ford Community College. Program completers may also be offered apprenticeship opportunities: Earn while you learn!

Frequently Asked Questions:
Q: Are all students able to enroll in Automotive Technology courses?
A: Yes, any Chippewa Valley HS or Dakota HS student has the opportunity to enroll if they have a 2-hour block of time available in their schedule.

Q: Can Auto Tech students get involved in a Career Technical Student Organizations (CTSO)?
A: Yes, Auto Tech students can participate in SkillsUSA and/or the Remote Control Car Tech Club which involve exciting competitions.

Q: Will my student be using all of the equipment?
A: Once a student successfully completes the safety instruction and passes the subsequent test, he/she will be able to use lab machines and tools.

Q: Is Auto Tech just for boys?
A: Absolutely not! Girls will find a welcoming and supportive environment in which to develop the high demand skillset that can lead to a lucrative automotive career.

Internship
Seniors only (1 or 2 hours)
Did you know that qualified senior students may apply for internship to further develop their skills within the context of a paid, work experience in a program-related job? Students must have teacher recommendation and be concurrently enrolled in Automotive Technology 2A/2B or 3A/3B. An Individual Educational Training Plan and Training Agreement are developed for each trainee detailing specific learning objectives and activities, monitored periodically by the CTE Internship Coordinator.

Did You Know?
Automotive Technology classes can meet these graduation requirements:
- **VPAA Credit**—Students can fulfill the required 1 credit of Visual, Performing, & Applied Art (VPAA) through Auto Technology.
- **World Language Credit**—Students may replace 1 credit of World Language w/1-credit of Auto when Auto is taken as a 2nd (additional) VPAA credit.
- **Math-Related Credit**—For seniors only, students may apply 1-credit of an Auto Tech course as a “Senior Math-Related Credit.”

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