Career and Technology Education (CTE)

CTE Courses Agriculture

Introduction to Agriculture

If you're interested in agriculture or FFA but not quite sure what it's all about, you might have an interest in this class. FFA membership is *not* required! Focus: intro to many areas of agriculture including large and small animals, plants, agriculture business, wildlife, & more!

Making Applesauce!

Tagging & Vaccinating Lambs

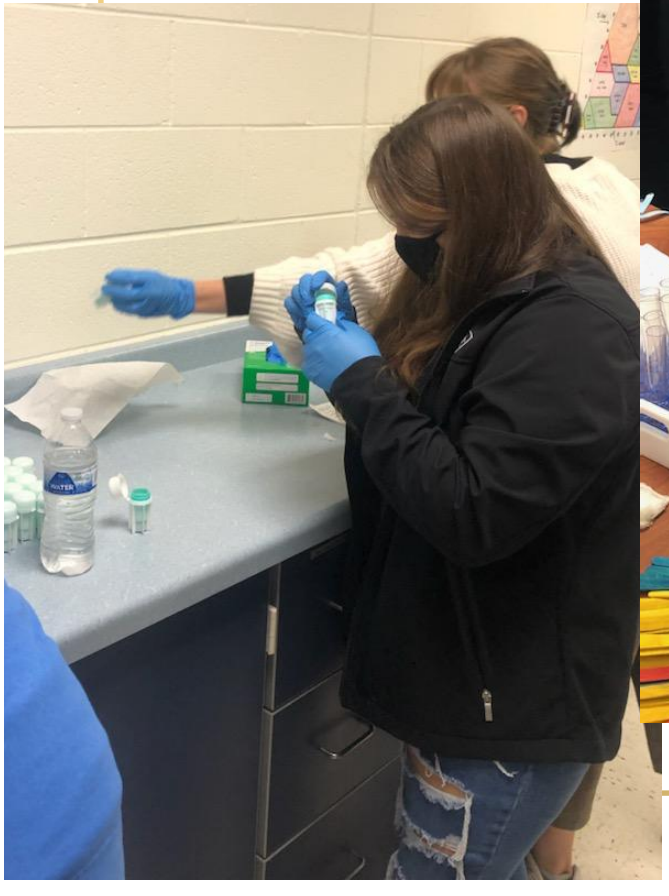
Large Animal

Learn about livestock species such as cattle, sheep, goats, pigs, & horses. Class is supplemented with labs, guest speakers, and other activities.

Small Animals & Veterinary Studies

A great class for those interested in working with small animals or being a vet tech! Class work focuses on lab procedures, animal handling, safety & disease, and more. Handling live animals and lab participation is a class requirement.

Veterinary Labs



Dog Handling

Natural Resources/Wildlife

This is a course designed for students interested in all phases of fish and wildlife conservation. Focus varies from wildlife animals to invasive species, from hunting & fishing to pollinators & bats! Labs & guest speakers play a major role in this course. Oh, and you can earn your trapping license in class!

Common labs include: scoring antlers, tying flies, building wood duck houses, making venison jerky, geocaching, and making survival packs & testing them out!

Farm Business Management, Entrepreneurship, & Cooperatives

If you want to know what it takes to start a business, or operate a working farm, then this course is for you! Classwork will focus on: crop and animal markets, Chicago Board of Trade, stock futures, the Wisconsin Cooperative System, & introductory entrepreneurship concepts and planning. Coursework will be supplemented with various guest speakers and field trips to local cooperatives.

Landscape & Environmental Design

Landscape & Environmental Design focuses on creating a variety of landscapes and enhancing the natural beauty of outdoor landscapes. Classwork will be a combination of large drafting projects as well as field experience outside creating and maintaining various landscapes around our school grounds.

Horticulture & Greenhouse Management

Horticulture and Greenhouse Management opens the doors to ornamental horticulture & the importance of greenhouse use in the agriculture industry. We will learn about flower basics, floral design, and spend a large portion of our class time in the greenhouse where we will grow plants for a spring plant sale!

Business and Information Technology

Why take a Business course?

Business and Information Technology classes teach students real world skills that can be applied in all areas of life and all types of careers.

Business is the number one declared major of college freshmen and accounts for 39% of all US jobs.

Principles of Business

Grades: 9-12

Credit: 0.5

This course is designed to help students explore various business concepts and understand the role business plays in our economy by providing basic business knowledge.

Class content includes many hands-on projects as well as speakers from area businesses.

Principles of Marketing

Grades: 9-12

Credit: 0.5

Learn the art of marketing. We will evaluate and practice the marketing research process, evaluate and create new social media marketing strategies for big name companies and learn the ins and outs of an effective marketing plan.

Students are encouraged to be actively involved in DECA, an association of marketing students.

Sports & Entertainment Marketing

Grades: 10-12

Credit: 0.5

Prerequisite: Principles of Business or Principles of Marketing or Principles of Accounting

Learn about marketing as it relates to the sports and entertainment industries. Students explore the content areas of event planning, sponsorships, publicity, endorsements, branding/licensing, recreation marketing, and other entertainment industry-specific content.

Business Law

Grades: 10-12

Credit: 0.5

Develop an understanding of your legal rights and responsibilities as future consumers, citizens and workers. Through a variety of projects, activities and guest speakers, students will gain
an understanding of the American legal system by exploring topics including court procedures, criminal justice, oral and written contracts, consumer protection and family law.

Principles of Accounting

Grades: 10-12
Credit: 0.5

Learn basic accounting principles and procedures such as how to set up and maintain an accounting system for a service business and a merchandising business.

Accounting is a must for students planning a career in business or marketing.

Advanced Accounting

Grades: 11-12

Credit: 0.5

Second year accounting serves three groups: those who plan to continue the study of accounting, those who expect to enter other business careers, and students who anticipate entering other professions and need accounting to measure their financial progress in professional practice.

Culinary Arts

(Family & Consumer Sciences)

CULINARY ARTS 1

Learn how to make salads, sandwiches, pizza, soups, cookies & quick breads, while ensuring food safety & sanitation practices are followed.

Making Pizza

Making Sushi

WORLD CUISINE

Cook your way around the world, while ensuring food safety & sanitation practices are followed.

CULINARY ARTS 2

A continuation of CA1. Explore intermediate-level cooking including working with eggs, breakfast foods, meat, poultry, seafood and baking.

Cake Decorating

Student-Decorated Cake

BAKING & PASTRY ARTS

Learn cookies, quick breads, pies, pastries, yeast breads, decorated cakes, and specialty desserts, like chocolate.

CTE - Health Science Classes

Mr. Stokes

Human Development

Grades: 9-12, Credit: .5

Encouraged in grades 9-10 if planning to take other Health Science courses

This course examines human development from birth to death. This course is designed to introduce the student to the physical, emotional, intellectual, and social development from birth through death, while also emphasizing the impact of culture on development. This course provides an excellent foundation for students interested in a career related to education, social services, or health care.

Intro to Health Careers

Grades: 9-12, Credit: .5

Encouraged in grades 9-10 if planning to take other Health Science courses

This class provides an overview to the basics of the healthcare industry and a specific overview of the most popular health careers. This information will allow students to make more informed choices for their educational and professional futures. We have different guest speakers that represent many different health care professions and education levels. We do Compression Only CPR training (COCPR) and research various hospitals in the area. Each student will research at least three different careers they may be interested in pursuing in the future.

Sports Medicine

Grades: 10-12, Credit: .5

Recommended: Anatomy & Physiology, Intro Health Careers, Human Development

This course leads the student from general foundations of nutrition and strength and conditioning, to specific concepts relative to injury prevention, evaluation, management, and rehabilitation. As the student progresses from beginning to end, they will understand the complexities of the various professions in Sports Medicine. After completing this course the student should be able to apply the appropriate techniques and concepts in the day-to-day performance to future careers in the Sports Medicine field.

Health Science Field Study

Grades: 11-12, Credit: .5

Recommended: Introduction to Health Careers, Medical Terminology

This course is designed for 11th and 12th grade students who have decided that healthcare is the direction they are headed in the future. Students will select a career they are interested in based on personal characteristics, skill sets, interest, and career goals. Students will research this career in depth and then interview and possibly job shadow professionals in that particular field to determine if that career is the best choice for them. We will also have a round-table discussion with healthcare professionals from Stoughton Hospital.

Certified Nursing Assistant (CNA) Grades: 11-12, Credit: .75

Students involved in this dual-credit course with Madison College are completing the on-line and in-class lab portions of the course and will move on to clinical work at local nursing homes at the start of the second quarter. This is a course for those who desire to work as a nurse or gain patient contact hours for careers or programs that require it.

Technology and Engineering Education (TEE)

Automotive Classes

9th Grade- Power and Transportation (small engines)
10-12 Grade: Introduction to Auto(1st semester)
10-12 Grade: Auto Service (2nd semester)
11-12 Grade: Advanced Auto (2 hour class)

SHS has a NATEF Accredited Automotive Program

9th Grade- Power and Transportation (small engines)

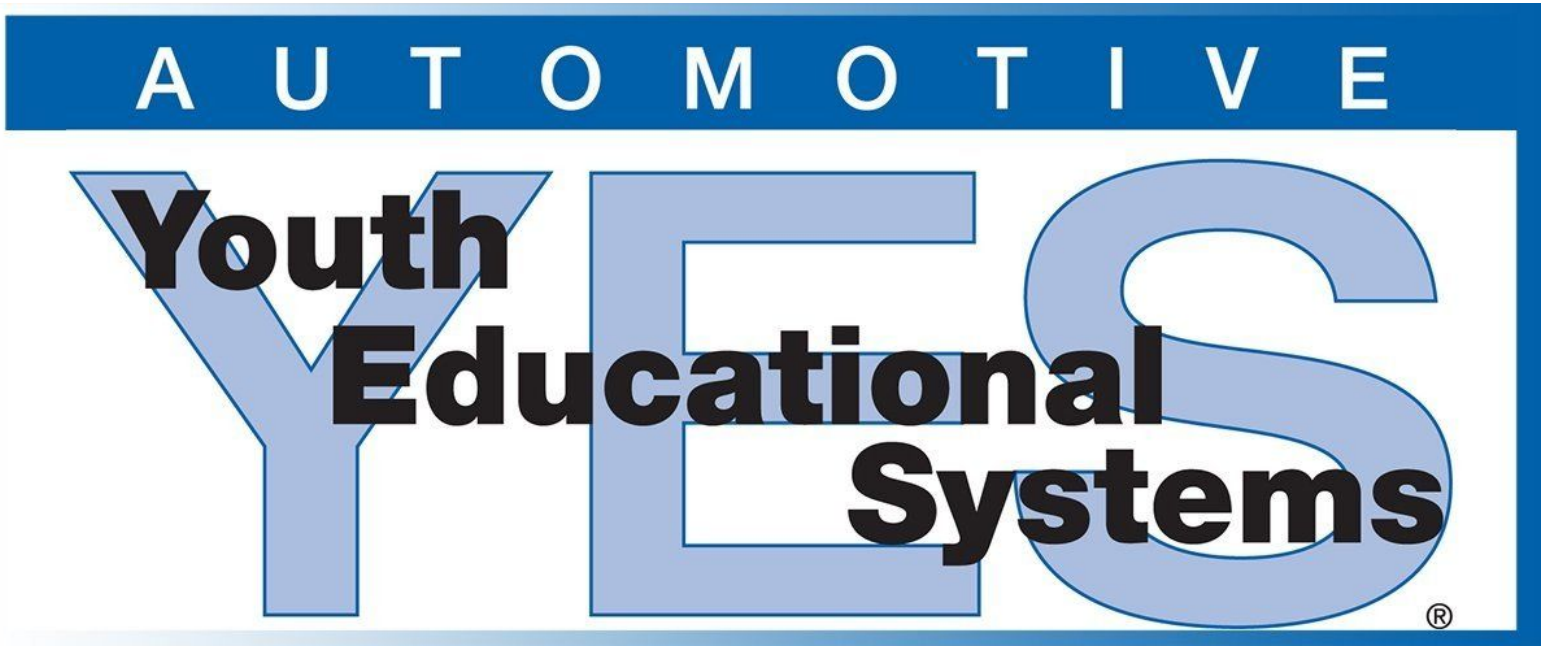
You will be trained on this Kohler XT-7 engine:

Then you can work on a project from home or other persons like this:

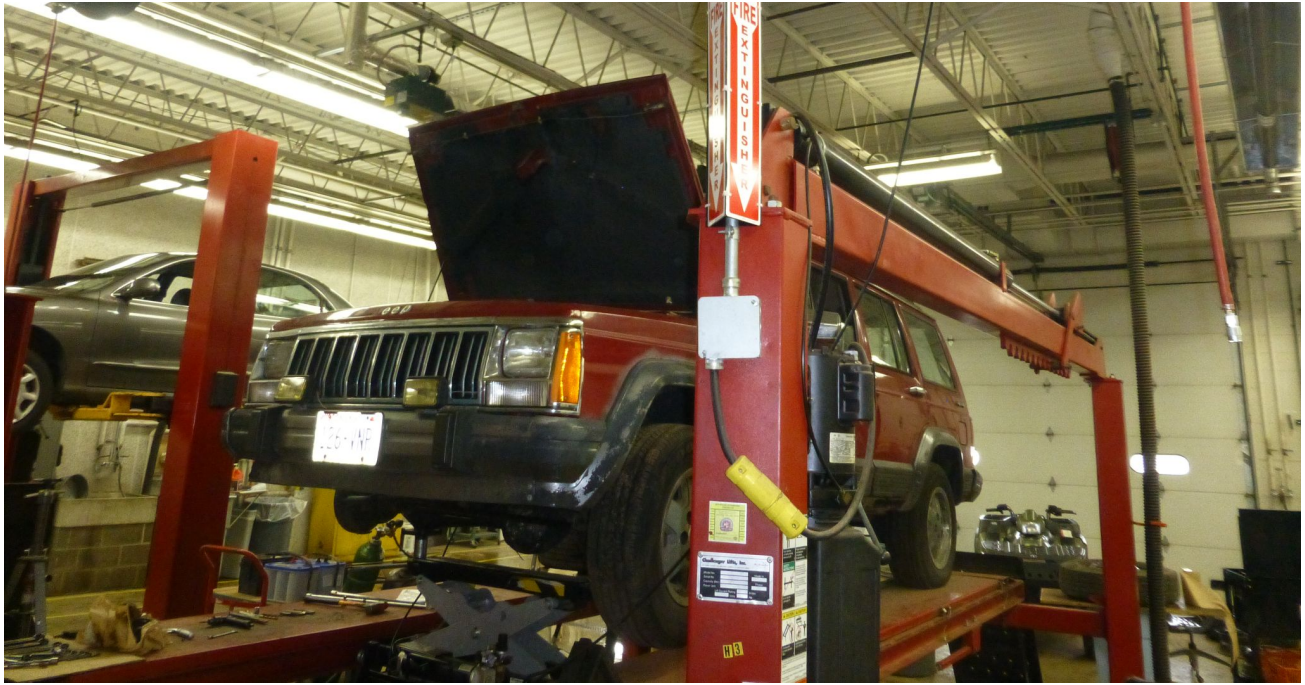
Students using their skills to repair a snowblower.

Students using their skills to repair a snowblower.

Students can participate in the Automotive Youth Apprenticeship Program



Students get to work on Cars, Trucks and SUV’s and ATV’s

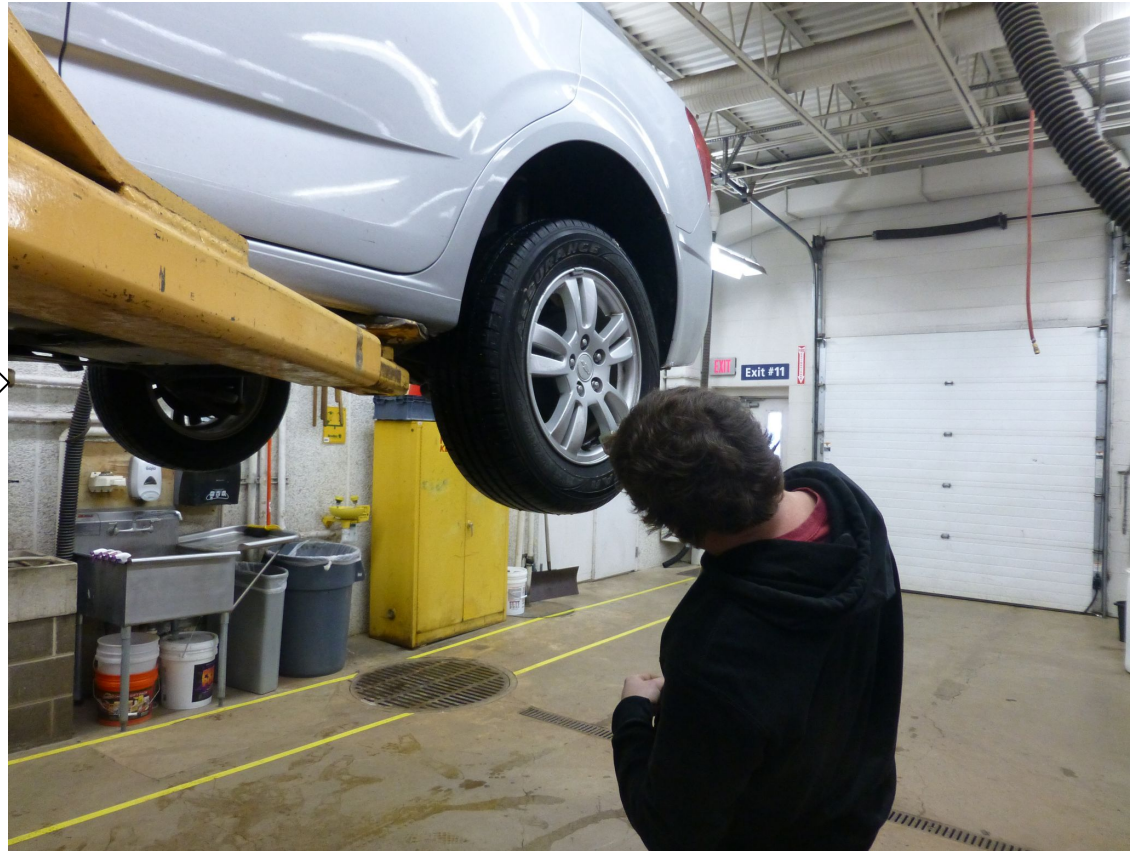


Students performing a vehicle inspection

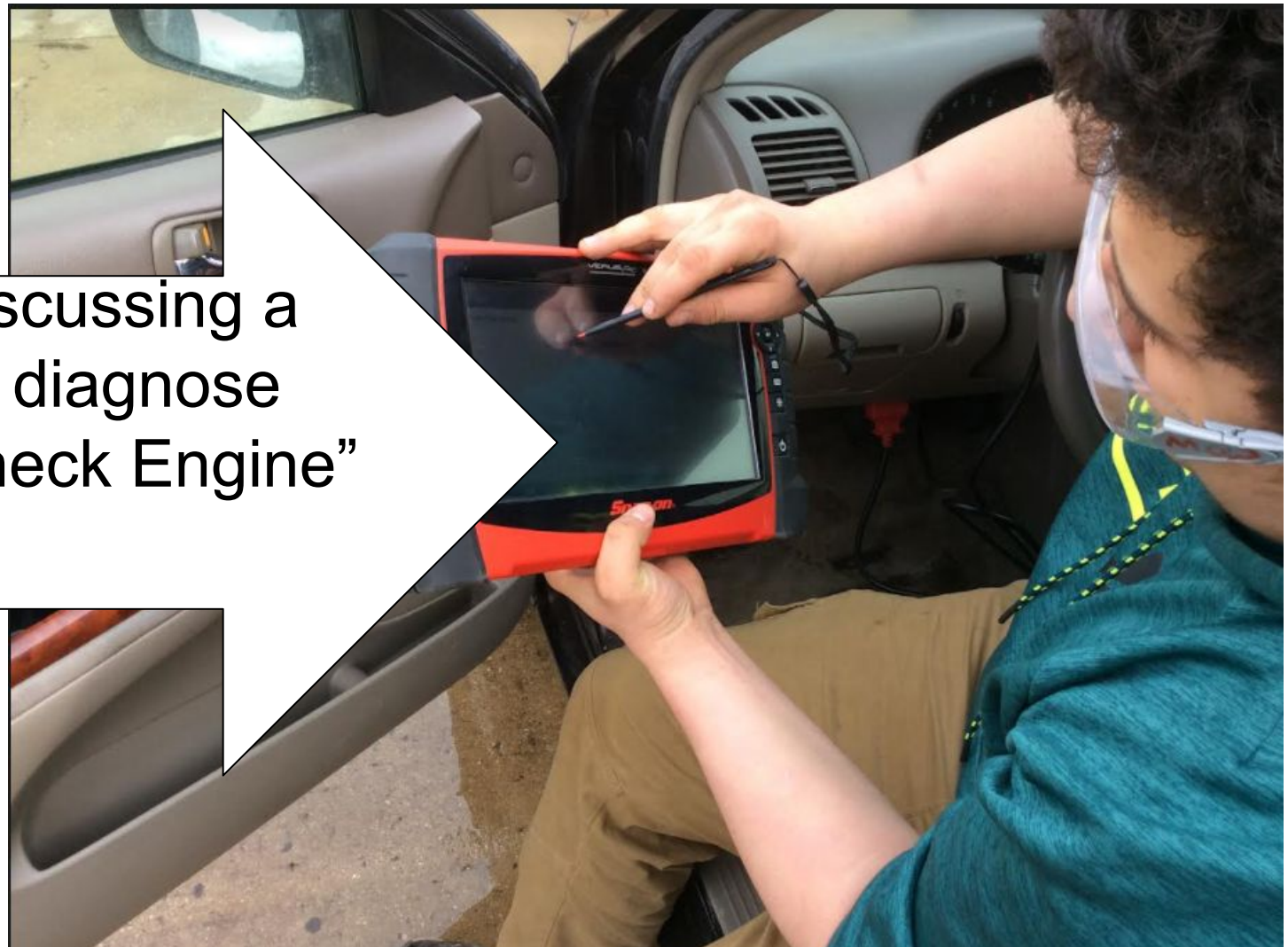
Students performing a vehicle inspection

Students performing an oil change lab

Students performing an oil change lab



Students discussing a repair they are performing on the Jeep.



Students discussing a scan tool to diagnose why the “Check Engine” light is on.

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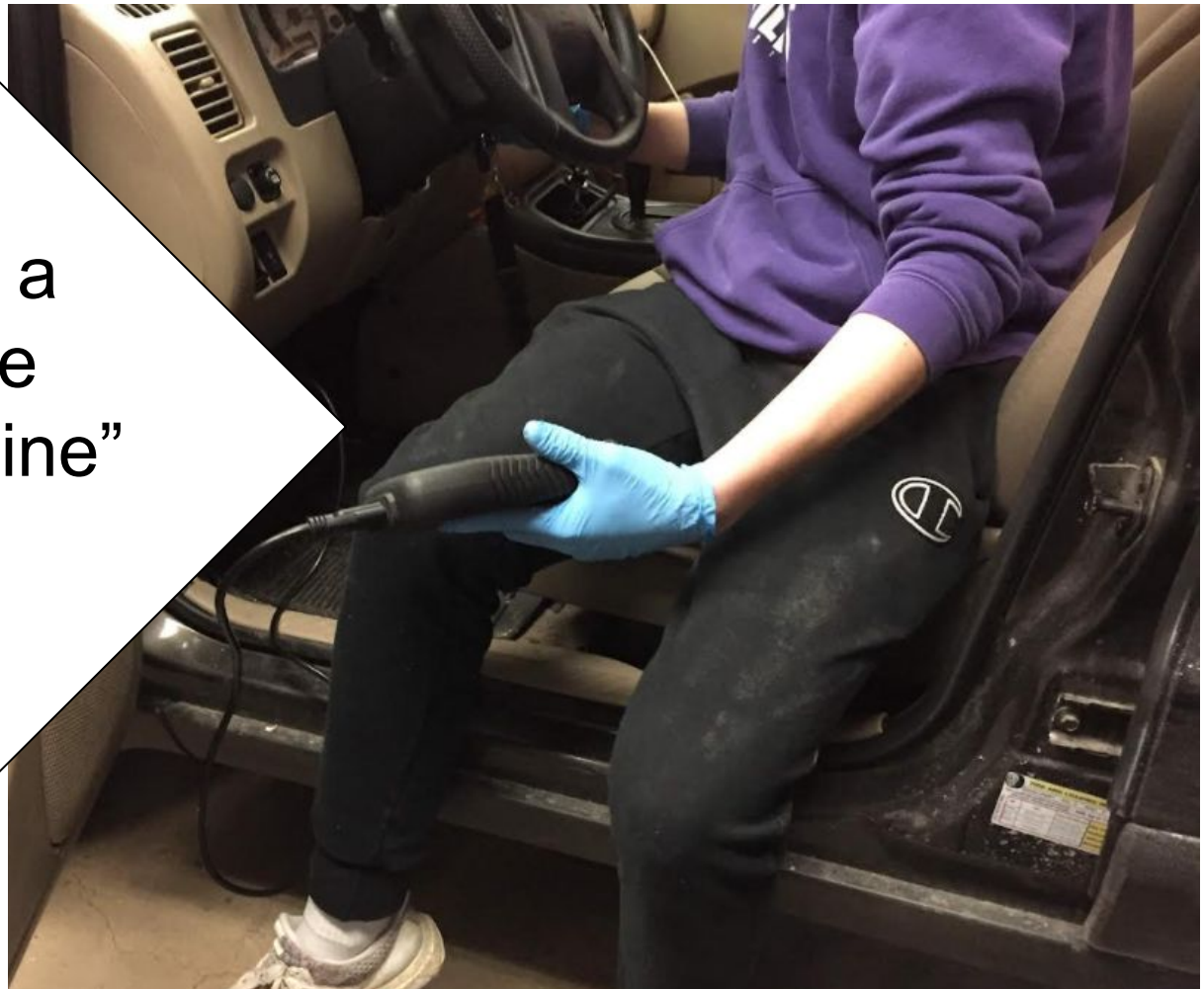
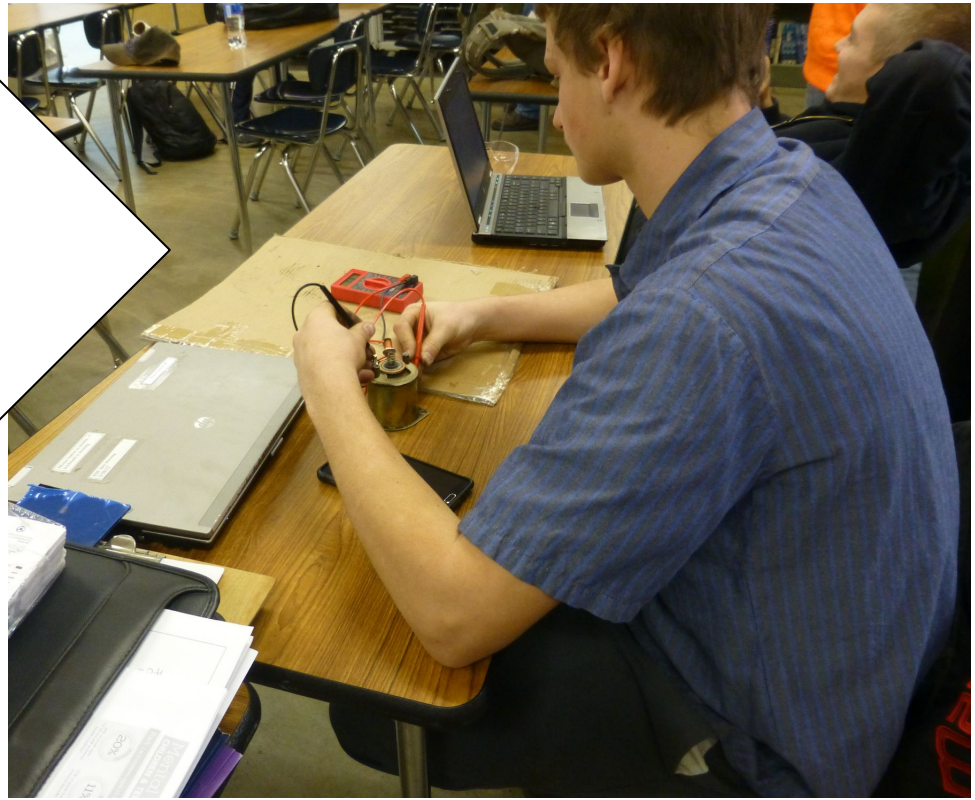
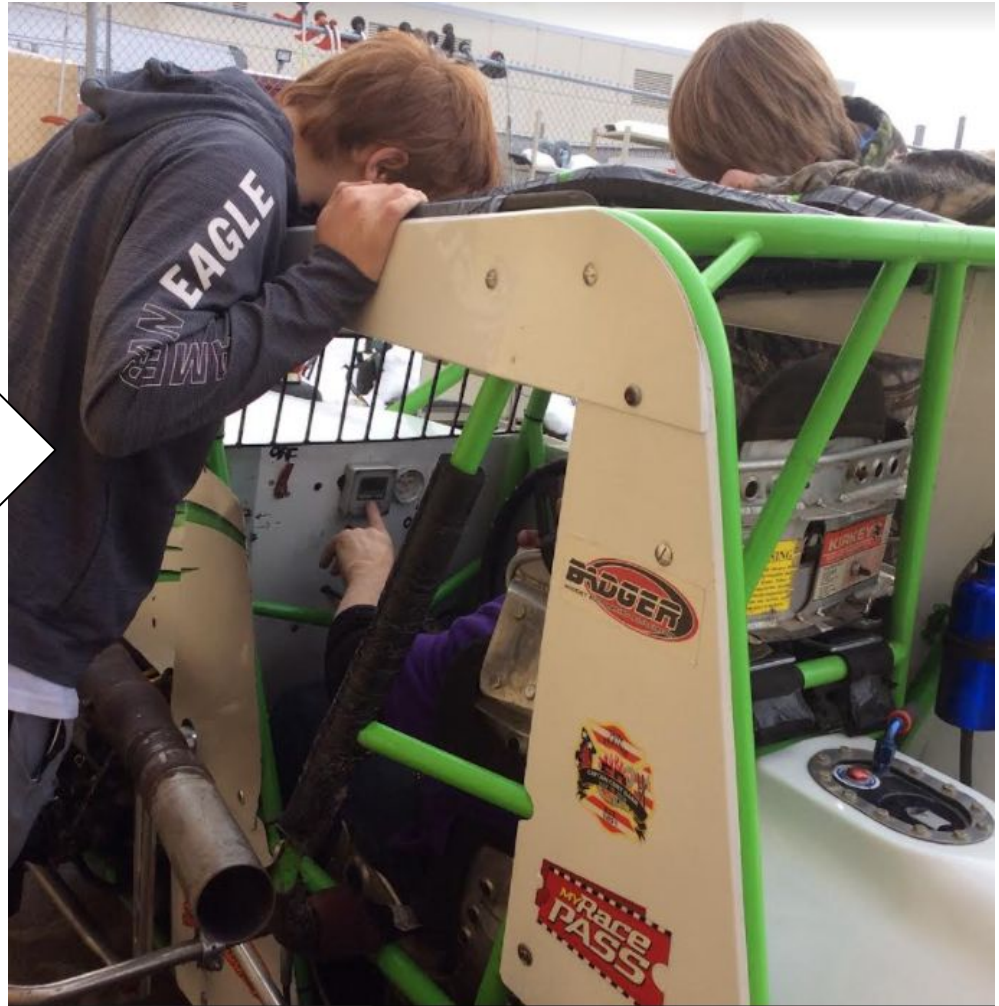


Student diagnosing a faulty starter.



Student diagnosing a faulty starting circuit.

Discussing the technology used on my race car.



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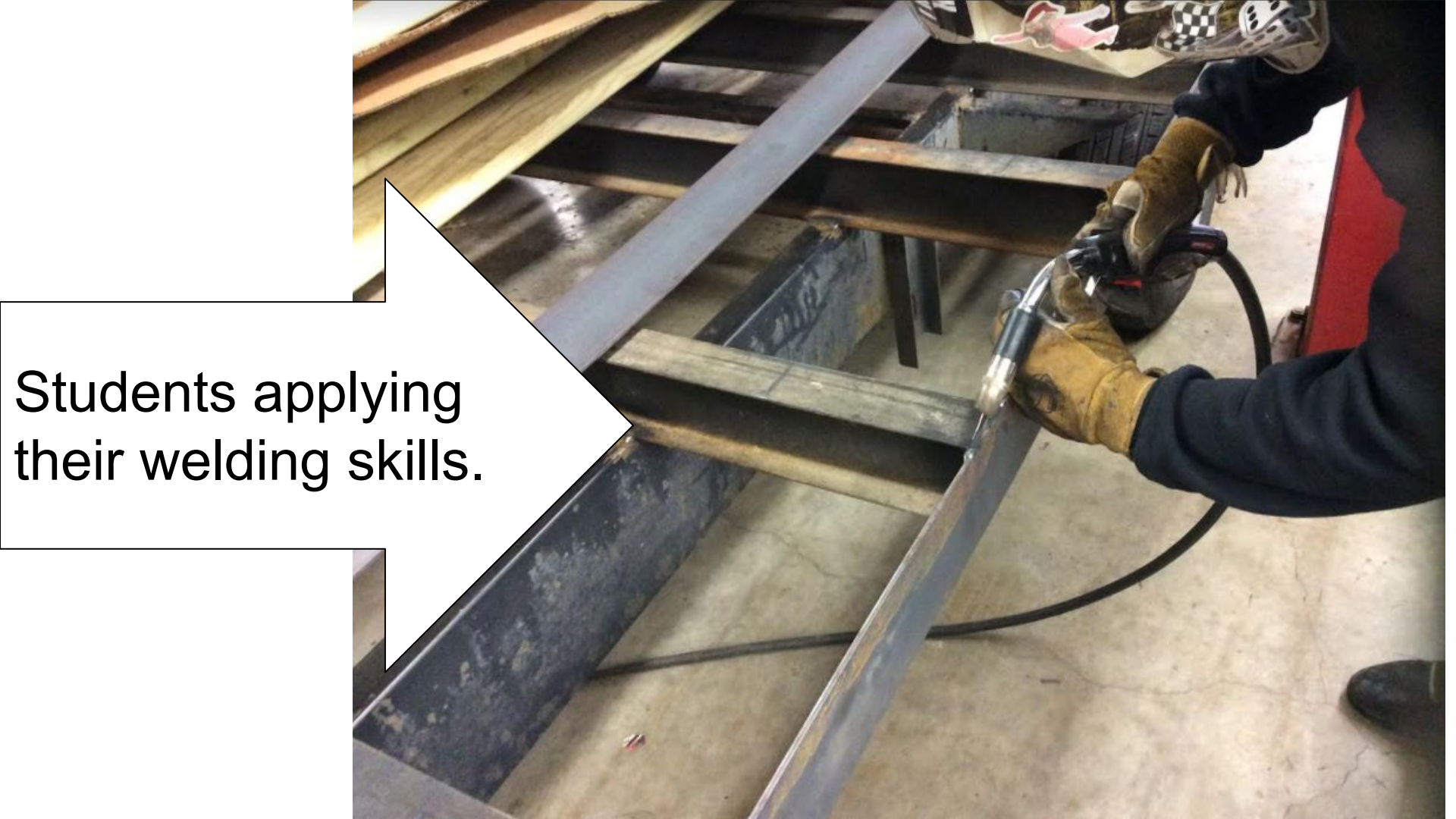
Students applying
their welding skills.

Students using their skills to repair a 4 wheeler.

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Drafting Classes

Engineering Drafting and Design
Grades 9-12
.5 Credit

Prepare drawings used in engineering, architecture, landscaping, interior design, etc. Students will develop mechanical drawings using traditional hand drawing equipment and with Computer Aided Design (CAD) software programs, AutoCAD and SolidWorks.

Introduction to Architecture
Grades 10-12
.5 Credit
Prerequisite: Engineering Drafting and Design

Students will focus on architectural drawings. All facets of developing a complete set of architectural drawings needed to construct a building will be covered. AutoCAD will be used for all assignments.

3D Architectural Design
Grades 10-12
.5 Credit
Prerequisite: Engineering Drafting and Design

This course introduces the concepts of 3D architectural design. Students will use, become familiar and competent with Revit, the standard 3D modeling software used by architects, engineers and designers for 3D representation of architectural projects.

Construction Classes

Intro to Woods & Construction
Grades 9-12
.5 Credit

In this hands-on, introductory level woodworking course, students will develop skills to use hand and power tools and equipment safely and appropriately. Materials and calculation of costs will be covered. Students will complete a series of prototypes and projects before an introduction to CAD, CNC and Fab Lab equipment related to woods.

Cabinetmaking & Millwork
Grades 10-12
.5 Credit
Prerequisite: Intro to Woods & Construction

Dual Credit: Earn 2 credits at MATC at no cost in addition to the WCA sawblade certificate

The outcome of this course mirrors MATC's Woods 1A course and the Woodwork Career Alliance (WCA) skill standards by introducing students to the operation of traditional woodworking equipment.

Fundamentals of Construction
Grades 11-12
.5 Credit
Prerequisite: Intro to Woods & Construction

Dual Credit: Earn 3 credits at MATC at no cost

This is a great course for students interested in the construction industry. Through hands-on activities students will become familiar with techniques and tools used in the construction industry. Students will demonstrate their skills as they complete a variety of projects.

Welding Classes

Shielded Metal Arc Welding
Grades 10-12
.5 Credit

Dual Credit: Earn 2 credits at MATC at no cost

Students will develop the manipulative skills necessary to produce high quality arc welding examples on steel in the common positions and joints used by industry following the MATC curriculum.

Gas Metal Arc Welding
Grades 10-12
.5 Credit

Dual Credit: Earn 2 credits at MATC at no cost

Gas Metal Arc Welding or MIG welding is the most common form of welding. The class is spent developing the manipulative skills necessary to produce high quality welding examples on steel, stainless steel and aluminum in the common positions and joints used by industry following the MATC curriculum.

Gas Tungsten Arc Welding
Grades 10-12
.5 Credit

Prerequisite: Shielded Metal Arc Welding or Gas Metal Arc Welding

Gas Tungsten Arc Welding or TIG welding of mild steel, stainless steel and aluminum will be covered in this class.

Metal Fabrication
Grades 10-12
.5 Credit

Prerequisite: Shielded Metal Arc Welding or Gas Metal Arc Welding

Dual Credit: Earn 2 credits at MATC at no cost

Students will be introduced to and demonstrate the equipment common to metal fabrication. Employability skills such as team work, problem solving and quality workmanship will be developed.

Questions?

Contact your counselor for more information

Ms. Dow: students with last names beginning with A-G

Ms. Ash: students with last names beginning with H-N

Ms. Natzke: students with last names beginning with O-Z