



Addison Trail student's proudly compete in the SkillsUSA Scholarship competitions in the following areas: Automotive Service, Full Service Automotive, CAD, Graphic Arts, Photography, Principles of Technology, Woodworking, Web Design, Technical Math, Prepared Speech, and Welding. Students also compete in the Ford AAA Troubleshooting contest. Since 2002 ATHS students have won \$590,000 in scholarships between the SkillsUSA and Ford AAA Troubleshooting Contest.

Credits

Automotive 1.....	2
Automotive 2	2
Automotive 3	4
Automotive 4	2
Automotive 5	2
ADV. Auto	Varies
CAD 1	1
CAD 2	1
Manufacturing	2
Manufacturing 2	2
Manufacturing 3	2
Photography 1	1
Photography 2	1
Photography 3	1
Principles of Technology	2
Woods 1	1
Advanced Woods	2
Home Repair and Maintenance.....	1
Technology Survey	1

The goal of the Industry & Technology Department is to ensure that each and every student is given the opportunity to experience various forms of technology. Students will reinforce their knowledge learned in other areas by applying those skills in real world applications.

The Industry & Technology classes are a good stepping stone to a future career, a new hobby, or even just as possible career exploration.

Class sizes are smaller in the lab setting of the I&T department allowing more one-on-one time with the student and the instructor. All instructors have a vested interest in seeing the students succeed .

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CTE Industry & Technology



PROGRAM AREAS

Automotive	Photography
Digital Imaging	Manufacturing
	Woods
	CAD- Engineering Design
	Applied Science- Principles of Tech.

Automotive Technology

Addison Trail has one of the

largest and most well-equipped automotive shops in the state. Students can earn Dual Credit with the College of DuPage. All auto courses are a full year. Students work through the systems of the automobile while practicing on live vehicles. The Auto 3 course is a double period class in which students put into practice what they have learned and run a service center repairing “customer vehicles”.



CAD- Engineer-



Computer Aided Design (CAD) is a must for any student interested in engineering, architecture, or design. Students can enroll in CAD 1 and or 2. Both are semester long courses in which students learn how to design and draw blueprints on the latest version of AutoCAD. Students will also be introduced to 3D modeling using the software program Inventor.

Photography

Students are able to take Photo 1,2, and 3. Each of the courses is one semester long. During the course, students can check out a 35mm camera, digital SLR, or use their own. Students learn how to take and produce quality photos.



Technology Survey

(1 Semester)

Students can sign up for Technology Survey to find out what areas of Industry and Technology they are interested in. Topics change yearly based upon interests, but will include 3 of the following: Woods, Residential Wiring, Manufacturing (Machine Shop), CAD Drafting, or Small Engine Repair.



Home Repair and Maintenance

(1 Semester)

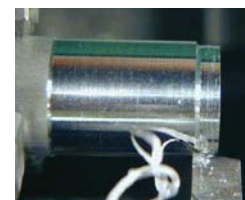
This course is designed for students interested in learning how to complete some of their own home maintenance and repair. Students learn some basic tools and techniques in the different systems of the house such as plumbing, electrical, roofing, etc. This course can develop a student's interest in the construction related fields.

Principles of Technology

In the PT course, students learn science concepts through the use of technological systems. Students work with pneumatic, hydraulic, mechanical, electrical, and thermal systems during hands on lab experiences. This course is year long and meets the Science graduation requirement and meets the entrance requirements for most colleges in Illinois.



Manufacturing Technology



In the Manufacturing program students learn and practice different manufacturing processes such as, machining,

welding, injection molding, thermoforming, and casting. Students get hands on training that is in high demand in the workforce. Students get to work with metals, plastics, and composite materials throughout the course. This course is a year long course. Students can continue in this program for 3 years. Most students who are successful in this course are offered employment in the industry when they graduate.



Woods Technology



Students in the woods program get the hands on skills and knowledge needed to perform fine carpentry work. Students also develop the basic skills necessary to enter into the different trade programs. Students can sign up for Woods 1, a semester course, or Advanced Woods, a year long course.