

Planning a successful career can begin in high school!

The Center of Applied Technology South

High school students can attend the Center of Applied Technology South (CAT South) as part of their regular daily schedule. In each program, students can earn credits required for graduation.

Completion of any of the 14 programs at the Center provides students with a combination of technical and academic expertise that can be utilized in a variety of ways. All programs offer the background and experience needed for immediate employment. Many programs articulate with colleges and universities, so students can earn college credits while in high school.

The programs at CAT South offer the foundation for employment, knowledge about related careers and continuing education, and work study positions. Studies combine both academics and applied technology.

The Career Exploration Program

The Career Exploration program allows students to explore four programs in one semester and earn 0.5 credit. Career Explorations is taken during period 1B. Transportation is provided to and from CAT South.

Semesters	Programs	Credits
One	4	1/2 Credit

Students can experience the environment, equipment, materials, skills, and safety rules of their chosen technical areas. The information students gain can be of significant value in career planning and expanding their interests and abilities.



More information is available at www.catsouth.org

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ANNE ARUNDEL
COUNTY PUBLIC SCHOOLS

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www.aacps.org
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Automotive Collision Repair & Refinishing



Anne Arundel County Public Schools

What is it?

The **Automotive Collision Repair & Refinishing** program prepares students for entry level positions in the automotive body repair industry and related fields.

Classroom and shop projects include a variety of techniques and processes for straightening metals with a frame machine, welding, working with fiberglass, plastics, and solvents. In addition, topics will include preparing surfaces with sanding, body filler, and glazing putty and finishing with primer/ paint mixing and spraying. Instruction also includes evaluating damages and estimating costs. This program is *Automotive Service Excellence (ASE)* certified by the *National Automotive Technicians Education Foundation (NATEF)*. The *ASE Certification* test is available.

Automotive Collision Repair & Refinishing Level 1 requires two semesters and provides students with the opportunity to experience both collision repair and refinishing techniques. The structure of this program is based on the industry's I-Car Education Curriculum, which includes feedback from industry partners to insure that students are receiving instruction tailored to fit current needs. **Level 2**, also two semesters, is designed to prepare students to enter the work force through intensive hands-on and classroom based learning.

About the program...

You will:

Gain experience in many aspects of the automotive collision repair field, including:

- Collision analysis
- Estimating
- Haz-mat handling & proper disposal
- Safe use of shop equipment
- Specialty collision tools
- Identification of metal alloys
- OSHA & EPA regulations
- Frame machines
- Proper surface preparation
- Spray booth operation
- Paint formulas & mixing
- Flexible material repair
- Supplemental restraint systems

Program Requirements

- Students must be entering 10th or 11th grade.
- Students must maintain a 2.0 GPA in all classes.
- Students must maintain a C or better to continue to level 2.



Education Foundation



Credit Requirements

Credits required for completer — 5		
Level I	2.0 Credits	Two semesters
Level II	3.0 Credits	Two semesters
Technical Math	1.0 Credit	Two semesters
Optional		
Work Based Learning	2.0 Credits	One semester
	4.0 Credits	Two semesters
Level III	4.0 Credits	

Career Opportunities

- Collision technician
- Refinishing technician
- Collision shop foreman
- Collision shop manager
- Collision shop owner

Career Opportunities w/ Further Education

- Insurance adjuster
- Refinishing supplies salesperson
- Manufacturer product representative
- I-Car instructor
- Parts counter salesperson
- Fleet repair
- Motorcycle repair

