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 15 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 universitites, 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, or eight programs in two semesters and earn a full credit. Career Explorations can be taken during period 1B, or as an after school course from 2:50 – 4:00 p.m. Career Explorations is our only after school course offering.

Semesters	Programs	Credits
One	4	1/2 Credit
Two	8	1 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

Phone: 410-956-5900
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211 Central Ave, East
Edgewater, MD 21037

ANNE ARUNDEL
COUNTY PUBLIC SCHOOLS

Carpentry

Anne Arundel County Public Schools

What is it?

The **Carpentry** program provides high school students with the opportunity to develop skills and knowledge about the field of carpentry. Studies encompass blueprint reading, cost estimating, and house construction, both exterior and interior.

This program emphasizes safe handling of hand and power tools. Students are provided experiences to practice and develop techniques that will be required in the trade. Applications of mathematics, science, and communication skills are incorporated into the program. Many related trades will also be taught to broaden students' understanding and abilities, including, painting, roofing, drywall finishing, sales, and independent contracting.

Skills and career development through the *National Center for Construction Education and Research's* (NCCER) training curriculum, provides students with industry recognized credentials in a national registry. Students are also guided in preparing a resume, a portfolio, and employment interview skills. Completion of the Carpentry program offers graduates many options for employment in the construction industry and college credits can be earned. There are several colleges that offer related courses leading to Associate of Arts or Bachelor of Science degrees.

About the program...

You will:

Gain experience in many aspects of the carpentry field, including:

- Estimating
- Building materials
- Rough framing
- Exterior & interior finishing
- Blueprint reading
- Building site management
- Solar technology
- Safety, hand tools, equipment
- Human relations and leadership
- Window and door installation
- Insulation
- Roofing
- Finish carpentry
- Drywall and painting
- Floor covering
- The ability to earn industry recognized NCCER credentials in a curriculum that employs the Contren Learning Series including the Level 1 Fundamental text and the Core Curriculum Training Guide.

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.

Credit Requirements

Credits required for completer — 4		
Level I	1.0 Credit	One semester
Level II	3.0 Credits	Two semesters
Technical Math	1.0 Credit	Two semesters
Optional		
Work Based	2.0 Credits	One semester
Learning	4.0 Credits	Two semesters

College Credit

Anne Arundel Community College (AACC) offers up to 4 college proficiency credits in specified courses, if students have completed the *Building Construction* program and the proficiency requirements.

ACH 121	*Architectural Materials and Methods*	3 credits

Career Opportunities

- Carpenter
- Finish carpentry
- Painter
- Roofer
- Drywall finisher
- Estimator
- Cement finisher
- Retail & Wholesale sales
- Self employment
- Home inspector
- Building maintenance

Related Professions

- Architect
- Teacher
- Engineer
- Surveyor
- Building inspector
- Sales
- Home improvement contractor
- Interior designer
- Construction management