

*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 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, 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

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ANNE ARUNDEL
COUNTY PUBLIC SCHOOLS

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For more information, contact:
Anne Arundel County Public Schools Division of Human Resources
2644 Riva Road, Annapolis, MD 21401
410-222-5286 TDD 410-222-5000

www.aacps.org
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Anne Arundel County Public Schools

What is it?

The **Plumbing** program provides high school students with knowledge and skills to launch a career in the plumbing industry. **Level 1** introduces basic skills, practices and theories of plumbing and its applications to residential and commercial settings. Topics include the plumbing code, general shop and plumbing safety, hand and power tools, and various plumbing materials.

Level 2 provides students with advanced training in the techniques, processes and theories introduced in Level 1. Plumbing fixtures, blueprint reading, estimating, trouble-shooting, fitting techniques, advanced plumbing projects and sump pumps are included.

Upon completion of level 2, students can continue their studies by entering the Work Based Learning program.

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 Plumbing 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 plumbing field, including:

- Demonstrating safe work practices in the plumbing shop and trade.
- Demonstrating a knowledge of basic plumbing theory.
- Applying knowledge about various piping materials and fittings.
- Constructing projects that demonstrate an understanding of pipe allowances and proper measurement.
- Brazing, soldering and PVC adhesives.
- Applying principles and demonstrating a knowledge of commercial plumbing installations.
- Applying principles and demonstrating a knowledge of residential plumbing installations.
- Interpreting and adhering to national and local plumbing codes.
- 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 (Honors)	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

Career Opportunities

- Commercial plumber
- Plumbing Maintenance
- Plumbing Supply Distributor
- Residential Plumber

Related Professions

- Applied Technology Instructor
- Plumbing Contractor
- Plumbing Inspector
- Fire suppression system technician

