

ADVANCED MATH AT NAVY ES

Grade Level	Qualifiers	Grade Level Math Equivalent
Advanced Math 3rd	<ul style="list-style-type: none"> ● Full Time AAP ● Teacher Rating Scale, Math Task Performance, SOL, and Spring MAP Score <p>Navy ES identifies advanced math students that are not center eligible using the criteria in the 2nd bullet. Students will take the 3rd grade SOL.</p>	All of 3rd Grade Math plus some of 4th Grade Math
Advanced Math 4th	<ul style="list-style-type: none"> ● Full Time AAP ● Teacher Rating Scale, Math Task Performance, SOL, and Spring MAP Score <p>Navy ES identifies advanced math students that are not center eligible using the criteria in the 2nd bullet. Students will take the 4th grade SOL</p>	The rest of 4th Grade Math plus all of 5th Grade Math
Advanced Math 5th	<ul style="list-style-type: none"> ● Full Time AAP ● Teacher Rating Scale, Math Task Performance, SOL, and Spring MAP Score <p>Navy ES identifies advanced math students that are not center eligible using the criteria in the 2nd bullet. Students will take the 6th grade SOL.</p>	6th Grade Math and part of 7th Grade Math
Advanced Math 6th	<ul style="list-style-type: none"> ● Full Time AAP ● Teacher Rating Scale, Math Task Performance, SOL, and Spring MAP Score <p>Navy ES identifies advanced math students that are not center eligible using the criteria in the 2nd bullet. Students will take the 7th grade math SOL.</p>	7th Grade Math
Algebra 1 Honors	Passing 6th Grade Math SOL Score Enrolled in Advanced Math Currently in advanced math and passes SOL	Algebra in 6th Progression - See details below

By starting Algebra 1 in 6th grade, a student will typically follow this progression:

Middle School (Grades 6–8)

- **6th Grade:** Algebra 1 Honors (High school credit)
 - **7th Grade:** Geometry Honors (High school credit)
 - **8th Grade:** Algebra 2 Honors (High school credit)
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High School (Grades 9–12)

Once a student enters high school, they have already cleared the core requirements and move into advanced college-level mathematics:

- **9th Grade:** Pre-Calculus with Trigonometry (Honors)
 - **10th Grade:** AP Calculus AB or BC
 - **11th Grade:** Multivariable Calculus and Matrix Algebra (Dual Enrollment)
 - **12th Grade:** Differential Equations, Linear Algebra, or AP Statistics
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Key Considerations for this Track

- **High School Credits:** Because Algebra 1, Geometry, and Algebra 2 are high school-level courses, the grades earned in middle school will appear on the student's official high school transcript and factor into their high school GPA.
- **The "Gap" Year:** Students who finish the standard AP Calculus BC track by 10th or 11th grade often run out of traditional high school math courses. FCPS handles this by offering **Dual Enrollment** (often through Northern Virginia Community College) or high-level electives like Linear Algebra.
- **Ready for TJHSST:** This track is common for students aiming for **Thomas Jefferson High School for Science and Technology (TJ)**, where the math curriculum begins at a highly accelerated level.
- **Recent Policy Changes:** For the 2025–2026 school year, FCPS significantly expanded access to 6th-grade Algebra 1 through a pilot program. Previously, this was reserved for a very small number of students. For the 2026-2027 school year, students in advanced math who pass their SOL in 5th grade are eligible.

Note: This track is very demanding. It is recommended the student has a rock-solid foundation in "Math 7" and "Math 8" (Pre-Algebra) concepts, as skipping those years entirely

to take Algebra in 6th grade can sometimes lead to gaps in knowledge—gaps in basic geometry or proportional reasoning that appear later in Calculus.