



## High School Mathematics Pathways 2024-2025

### Traditional Pathway

| 9 <sup>th</sup> grade            | 10 <sup>th</sup> grade         | 11 <sup>th</sup> grade             | 12 <sup>th</sup> grade |
|----------------------------------|--------------------------------|------------------------------------|------------------------|
| Algebra I or<br>Honors Algebra I | Geometry or<br>Honors Geometry | Algebra II or<br>Honors Algebra II | Algebra III            |
|                                  |                                |                                    | Honors Pre-Calculus    |
| *Algebra Extensions              |                                |                                    | AP Pre-Calculus        |
|                                  |                                |                                    | **Financial Literacy   |

### Accelerated Pathway Options

*In addition to our traditional pathway, we also offer several accelerated options. This will provide students the opportunity to enroll in courses during their junior and senior years that they may not be able to reach on the traditional pathway.*

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| 8th Grade Fast Track                                   | This is offered to qualifying students from the Litchfield and Avondale Elementary School Districts. 8th grade students take Algebra I at an AFHSD high school.  |
| Summer Geometry Fast Track                             | This is only offered to students who completed the 8th Grade Fast Track program. Students take an online Geometry course through Edgenuity (starting in the spring of their 8th grade year and culminating in the summer).   |
| Accelerated Algebra II/Precalculus                     | Offered to students who've completed Algebra I and Geometry. This is a double-period course that covers both the Algebra II and Pre-Calc curriculum. Students will earn 2 credits.   |
| Concurrent Math Courses                                | Students have the opportunity to take math courses concurrently as long as the pre-requisites are met (i.e., a student can take Algebra I and Geometry in the same year, or Geometry and Algebra II. A student can NOT take Algebra I and Algebra II at the same time, because Algebra I is a prerequisite for Algebra II) |
| Upper-Level Math Courses<br>(For Accelerated Students) | AP Calculus (AB, AB/BC, & BC), Honors Calculus III, & AP Statistics  |

### Additional Information

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| *Algebra Extensions   | Students needing additional support in Algebra I will be concurrently enrolled in Algebra Extensions during their 9 <sup>th</sup> grade year. The course does not count as a required math credit toward graduation. Successful completion will provide students with elective credit. |
| **Financial Literacy  | This course will satisfy the AFHSD requirements for graduation but is not recognized as an upper-level math credit by NCAA.  |
| AP Coding II/ AP Computer Science Principles: Software & APP Design II or III | AP Coding II is a CTE course but can operate as an upper-level math credit. Students must communicate with their guidance counselors if they'd wish to use it as a math credit.  |