

Mathematics Program Description

The APS Mathematics Program serves to ensure all Arlington students construct a comprehensive and rigorous understanding of mathematics in which they are able to communicate and connect to the world around them. In addition, the APS Mathematics Program seeks to ensure all students are empowered and equipped to problem-solve and use the tools of mathematics to build and innovate their future world.

MAJOR SERVICES PROVIDED

- Develop, revise, and enhance curriculum and instructional programs to support a rigorous curriculum aligned with state standards.
- Provide expertise to support mathematics instruction for all elementary, middle, and high school students.
- Provide support with current adoption resources, including online resources.
- Work with Human Resources to attract and select highly qualified candidates.
- Coordinate and support summer school courses at the elementary, middle and high school levels.
- Coordinate the review and selection of mathematics resources and support materials at the elementary and secondary levels, to include ESOL/HILT, Gifted Services, and Special Education.
- Monitor instruction and program implementation; promote differentiated and high-quality instruction through classroom walkthroughs and observation/feedback cycles for teachers.
- Participate in ongoing communication and collaboration with multiple stakeholders.
- Participate as active members of state and national organizations; and serve on national, state, and local committees dedicated to the improvement of mathematics education.
- Provide professional learning opportunities such as:
 - Quarterly professional learning for Mathematics Lead Teachers
 - Monthly countywide meetings for all secondary staff with emphasis on differentiated professional learning
 - Monthly professional learning for elementary and middle school Math Coaches
 - Math Content and Workshop Academies
 - Cognitive Coaching training for middle school mathematics teachers and coaches.

ADDITIONAL INFORMATION

Arlington Public Schools	<p>APS Mathematics Office https://www.apsva.us/mathematics/</p> <p>Elementary Mathematics https://www.apsva.us/mathematics/elementary-math-program/</p> <p>Secondary Mathematics https://www.apsva.us/mathematics/secondary-math-program/</p> <p>Secondary Mathematics Course Pathways https://www.apsva.us/mathematics/secondary-math-program/course-pathways/</p> <p>APS Department of Teaching & Learning https://www.apsva.us/instruction/</p> <p>APS Mission, Vision, and Core Values https://www.apsva.us/arlington-public-schools-overview/</p> <p>APS Strategic Plan https://www.apsva.us/strategic-plan/</p> <p>APS Policy – Program Evaluation https://go.boarddocs.com/vsba/arlington/Board.nsf/files/BCV52465D948/\$file/A-6.31%20Program%20Evaluation.pdf</p>
Virginia Department of Education	<p>Virginia Department of Education - Mathematics http://www.doe.virginia.gov/testing/sol/standards_docs/mathematics/index.shtml</p>