

APS Science

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District Vision



Arlington Public Schools
Education That Empowers

*The vision of the Arlington Public Schools is to be an equitable educational community where **all learners** feel a sense of **belonging**, experience **growth and joy**, and are empowered to shape their own futures and contribute to a better world.*

Strategic Plan and Goals



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Strategic Priority 1: Ensuring Equity and Excellence

The Arlington Public Schools will ensure equity, excellence, and access to rigorous learning experiences for all students. All graduates will be prepared to achieve their choices of post-secondary education, career, and community contribution.

1.1 Instructional Vision and Coherence All students must have equity of access to rigorous and comprehensive content implemented through inclusive and engaging instructional practices. Deeper Learning concepts and practices will serve as the anchor for the APS instructional vision.

1.2 Student Belonging and Adult Support All students have a supportive relationship with at least one adult at school, are engaged in their learning, and feel that they belong in the school community.

1.3 Implementing Multi-Tiered Systems of Support (MTSS) All students in APS will be supported in their schools by an active multi-tiered system of support (MTSS). MTSS will be coordinated and effective so that students have rigorous learning opportunities coupled with the right supports and resources.

Elementary Update



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- Continued support from Science Program Specialist
 - Co-teaching lessons
 - ACE Block Facilitation
 - New Teacher Support
- Strengthening Assessment System
 - Data to drive instruction and curriculum
 - Analyzing Student Work
- Strengthening Science Practices
 - Phenomena driven storylines

Gibbs/OMS Update



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- School wide March Mammal Madness
- Strengthening Science Practices
 - Phenomena driven storylines
 - Focus on argumentation through evidence, asking questions, developing and using models and analyzing and interpreting data
- Implementation of online simulations
 - Prepare for Innovative Science Assessment
 - Strengthen Science Practices
- Investment in equipment and materials
 - 3D printers and laser cutters (OMS Tech)

AHS Update



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- Support Struggling Students
 - Revamped Grade 9 Physical Science Curriculum
- Improve Collaboration and Student Agency
 - Emphasis on hands-on learning
 - Layered and standards based curriculum
- New Electives - Entomology, AP Physics C Electricity & Magnetism, Weather & Climate, Exercise and Physiology
- Explore how science moves beyond the classroom (and lab) to have both significant and tangible impacts on areas such as social, environmental, and racial justice

Action Items For Next Year



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Elementary

- Continuation of Current Action Items
- Realign and redesign Science curriculum to new ELA curriculum
- Interdisciplinary lessons

Gibbs/OMS

- Continuation of Current Action Items
- Grading for Equity
- Upgrade OMS science spaces

AHS

- Continuation of Current Action Items
- Science SEI Course to support multi language learners?
- Heterogeneous Grouping Initiative