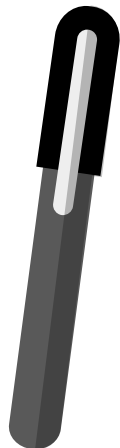
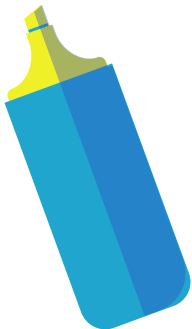
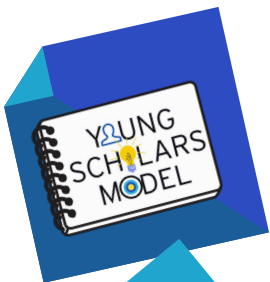
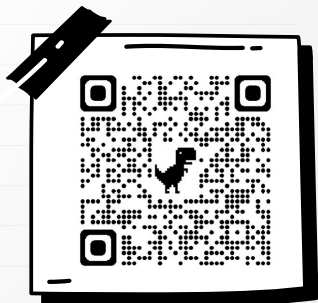




Arlington
Public
Schools



You are welcome to jot down any questions you may have during the presentation or use this QR code to ask via Google form later.



Objectives

- Explain the role of the Advanced Academics Coach (AAC) within our school's Professional Learning Community
- Provide a snapshot of advanced academics in action at Innovation specifically

Professional Learning Communities



Four key questions focus our CLT meetings

- 1 What is it we expect our students to learn?
- 2 How will we know when they have learned it?
- 3 How will we provide time and support when they don't learn it?
- 4 How will we extend learning when they already know it or learn it quickly?

Critical & Creative Thinking Framework

Critical and Creative Thinking Strategies

Each CCT strategy below is linked to a slide deck that will give you more information about the strategy. If you'd like to learn even more, ask your school's AAC about doing a 5-hr coaching cycle. Check out the full list of [PL offerings here](#).

Analogies Analogies allow students to make connections of a new sophisticated level.	Creative Problem Solving The Creative Problem Solving Model is composed of four stages that utilize divergent and convergent thinking.	Design Thinking Design Thinking is a method for practical, creative resolution of problems, and creation of solutions.
deBono's Thinking Hats Edward deBono's Thinking Hats is a parallel thinking process that helps students for more productive, focused, and mutually involved.	Depth and Complexity The Depth and Complexity Icons are visual prompts designed to help students go beyond surface level understanding of a concept and enhance their ability to think.	Debate Debates are a series of presented arguments for and against a topic in question.
Encapsulation Encapsulation is an important communication skill and powerful strategy for students as they synthesize content.	Fluency, Flexibility, Originality, Elaboration FFOE is a creative thinking strategy that promotes divergent thinking and advanced problem-solving skills.	Frayer Model The Frayer Model is a graphic organizer for building student vocabulary.
Habits of Mind Habits of Mind are specific behaviors that human beings engage in when responding intelligently to problems.	Hamburger Model for Persuasive Writing In this strategy the model of a hamburger is used to provide organizational structure for a paragraph or essay.	Overarching Concepts Overarching concepts are utilized in concept-based instruction which focuses on teaching through "big ideas" and generalizations.
Mind Mapping Mind mapping is a method of visual note taking that helps students organize information in unique and personal ways.	Literature Web The literature web is a model designed to guide interpretation of a literature selection by encouraging a reader to connect personal response with particular elements of the text.	



Critical and Creative Thinking Strategies

Each CCT strategy below is linked to a slide deck that will give you more information about the strategy. If you'd like to learn even more, ask your school's AAC about doing a 5-hr coaching cycle. Check out the full list of [PL offerings here](#).

Paul's Elements of Reasoning This strategy emphasizes how, through a series of questions, students can generate a discussion around the positive, negative and emerging ideas associated with a particular issue or concept.	Plus, Minus, Interesting (PMI) This is a creative thinking tool used to generate a discussion around the positive, negative and emerging ideas associated with a particular issue or concept.	Problem Based Learning PBL is a learning environment in which the problem drives the learning. Before students learn some knowledge they are given a problem.
Project Based Learning Project Based Learning (PBL) is a teaching method in which students learn by actively engaging in real-world and personally meaningful projects.	Question Formulation Technique (QFT) The Question Formulation Technique (QFT) is a teaching strategy that facilitates their learning and helps them take ownership of their education.	RAFT A RAFT provides students with opportunities for developing products for designated audiences, based on specific topics, in a defined format, from a particular point of view.
Research Model The Research Model provides a guide for students to use to generate information while researching an issue of significance.	SCAMPER SCAMPER is used to generate unique thought, explore relationships, and search for new or different combinations.	SEWER The Scholastic Enrichment Model Reading Framework (SEWER) is an enrichment-based reading program designed to stimulate interest in and enjoyment of reading, promote and develop higher reading achievement, and much more.
Socratic Seminar A Socratic Seminar is a collaborative discussion that involves a thoughtful, open-ended dialogue.	Structured Academic Controversy SAC is a highly structured, small group discussion that helps students gain a deeper understanding of an issue, find common ground, and make a decision based on evidence and logic.	Synectics Synectics is a critical and creative thinking strategy that focuses on making connections between unlike things.
Taba Concept Model The concept development model focuses on the creation of generalizations from 2 student-derived list of related concepts.	Visualization Visualization is a strategy that opens up student thinking by using sensory information to stimulate imagination with both spoken and written words.	Vocabulary Web The Vocabulary Web is a tool for exploring words in depth.

Advanced Academics & Talent Development at Innovation



The NAGC recommends that schools provide:

- Access to **curricular resources** designed for gifted learners.
- Resource specialists who can **support classrooms**
- Systematic and substantial **professional development** for all teachers

Advanced Academics & Talent Development at Innovation



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Curricular Resources for Rigor

Math

Hands-On Equations
Project M² and Project M³
Project A³: Awesome, Advanced Activities
William & Mary Math Units

Social Studies

William & Mary Social Studies Units
The DBQ Project
Primary Source Documents (Library of Congress)

English Language Arts

William & Mary Literature Units
Jacob's Ladder Resources
Caesar's English Resources
Schoolwide Enrichment Model-Reading (SEM-R) Framework
Vanderbilt Interdisciplinary Units

Science

William & Mary Problem-Based Science Units
Project Clarion Science Units
Vanderbilt Interdisciplinary Units

Curricular Resources

Sarah Congable, NBCT
@MrsCongableAPS

When @Innovation3rd students explore a different base system with Project M3, the TRICKLE-down effect is obvious! @APSGifted @APSMath



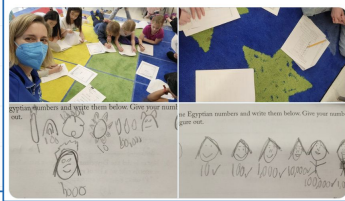
Sarah Congable, NBCT
@MrsCongableAPS

We love the @DBQProject! Ms. Ezrow, Ms. Connelly, and Mr. Knott's 3rd graders are getting passionate about protecting wolves...



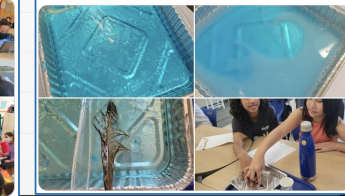
Sarah Congable, NBCT
@MrsCongableAPS

Exploring Egyptian mathematical symbols was a fun challenge this week in @MarissaEzrow and @Innovation3rd classes, thanks to @KendallHuntK12 Project M3!



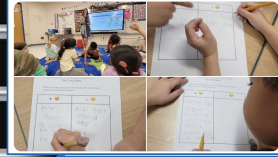
Sarah Congable, NBCT
@MrsCongableAPS

We're engaged in the scientific process with an @EIE.org lab on the last full day of school. Way to go 5th grade!



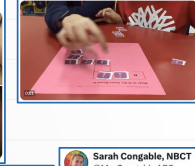
Sarah Congable, NBCT
@MrsCongableAPS

It's never too early for rich discussions grounded in text! 1st graders loved connecting Jacob's Ladder explorations of The Tiny Seed with their knowledge of seasons.



Sarah Congable, NBCT
@MrsCongableAPS

The content you didn't know you needed, a live base video of 9th graders playing a @MrsCongableAPS Project A3 Theorem game! Let me know if you'd like to see more @MrsCongableAPS for collaborating!



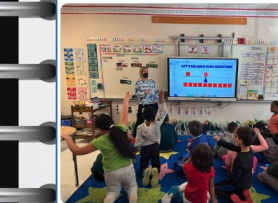
Sarah Congable, NBCT
@MrsCongableAPS

Don't you love creative tasks in Jacob's Ladder? Impressive collages in @msmaniac's class!



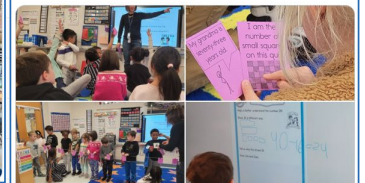
Miss Ezrow
@MarissaEzrow

It was hard to sit still during Ms. Congable's fun and engaging math lesson today!



Sarah Congable, NBCT
@MrsCongableAPS

Mrs. Corrigan's students have fun with Project M2's exploring number games! They correctly made a number line by "talking to friends," using the "counting on strategy," and figuring out which were the "biggest two-digit numbers."



Sarah Congable, NBCT
@MrsCongableAPS

The @EIE.org pollinators lab is a perfect opportunity for 4th graders to apply design thinking processes! @APSScience @APSGifted



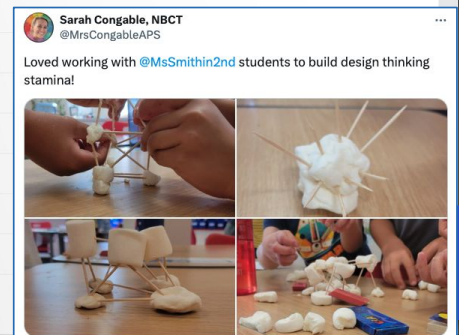
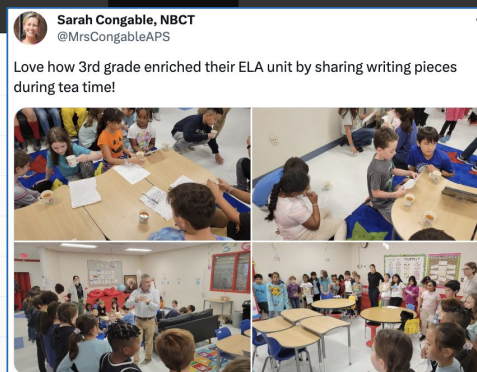
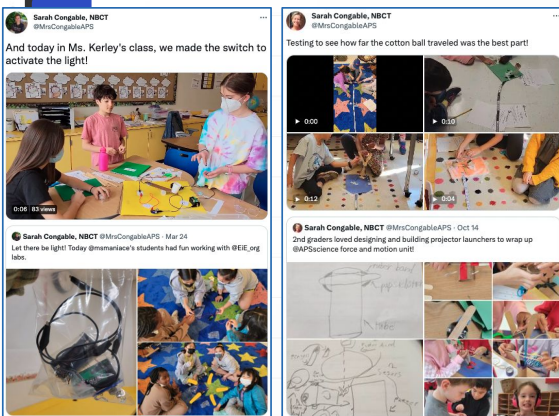
Sarah Congable, NBCT
@MrsCongableAPS

Students in @msmaniac 5th grade class dig into base 5 with @williamandmary math unit activities!



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Classroom Support



Advanced Academics & Talent Development at Innovation



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Professional Development



coaching cycle

Active Learning

Collaborate/ Plan

Implementation

Discussion

Reflection



Communication

- APS/IES Information sessions (fall and winter)
- Differentiation Report to families for identified students in grades K-5
- Meetings via phone, Teams, or in-person as requested

- Learning Logs
 - whole-school
 - grade-level
- Homeroom teacher emails/ ParentSquare messages
- Webpage updates



@MrsCongableAPS

Parent Resources



APS Gifted Services Website
www.apsva.us/giftedservices



@aps_advanced_academics



@APSGifted



IES AA website



<http://www.VAgifted.org>



NATIONAL ASSOCIATION FOR
Gifted Children

<http://nagc.org>



<http://sengifted.org>

Parent Advisory Committee for Advanced Academics



Arlington Public School's
Parent Advocacy Group
Part of Advisory Council on
Teaching and Learning

Meets monthly from
7:00-8:30pm

If you are interested in serving
on this committee and/or
attending a meeting, please
contact the chairs:

Mary Wierzbicki
wierzbicki.mary.b@gmail.com

John Schaus
jhschaus@protonmail.com

Contact Information

- Sarah Congable, NBCT
- Innovation, Advanced Academics Coach
- sarah.congable@apsva.us
- 703-228-2725



- Cheryl McCullough
- APS Director, Office of Advanced Academics and Talent Development
- cheryl.mccullough@apsva.us
- 703-228-6159



What
questions
might you
have?

You may use the QR
code for questions you'd
like to ask privately, and I
will follow up via email.

