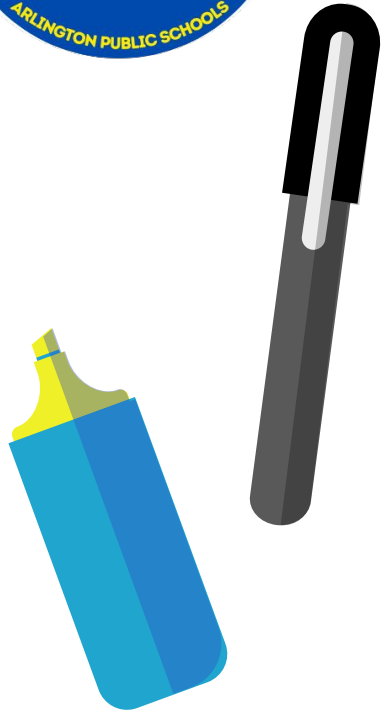
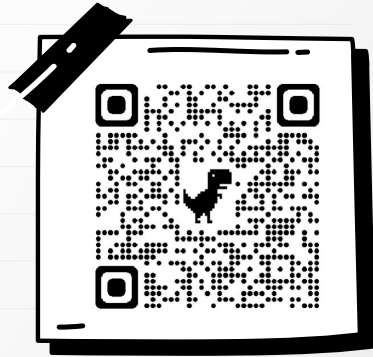




Arlington  
Public  
Schools



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.



If I do not address your question over the course of today's presentation, I will follow up! Please include:

- your name
- your child's name
- your child's grade
- your email address

MON

TUE

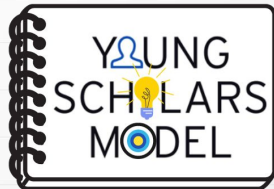
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WKND

# Objectives



- Explain the role of the Advanced Academics Coach (AAC) within Innovation's Professional Learning Community
- Provide an overview of advanced academics in action here at Innovation

MON

TUE

WED

THU

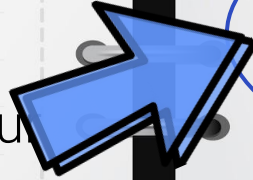
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# Professional Learning Communities



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?

# Collaborative Teaching



- Whole group team modeling and/or teaching with classroom teacher
- Small groups in classroom, coordinated and co-planned with classroom teacher
- Flexible grouping, determined by
  - needs of students and/or classroom teacher
  - difficulty of unit/topic
  - complexity of lesson/activity

# Critical & Creative Thinking Framework



Arlington Public Schools

## K-12 Critical and Creative Thinking Models & Strategies

### Critical Thinking Teaching Models

- Concept Development Model (Change, Patterns, Systems, Perspective, Cause/Effect)
- Future Problem Solving
- Jacob's Ladder
- Paul's Reasoning Model
- Problem-Based Learning
- Project-Based Learning
- Research Model
- Socratic Seminar
- William and Mary Teaching Models (Vocabulary & Literature Web, Persuasive Writing, Analyzing a Historical Situation)

### Creative Thinking Models

- Creative Problem Solving (CPS)
- SCAMPER

### Categories of Thinking Strategies

#### Decisions and Outcomes

- Habits of Mind
- PMI
- Visualization

#### Making Connections

- Analogies
- Encapsulation
- FFOE (Fluency, Flexibility, Originality, Elaboration)
- Mind-Mapping
- Synectics

#### Point of View (Different Perspectives)

- Debates
- deBono's Hats
- RAFT
- Socratic Seminar /Junior Great Books
- Structured Academic Controversy

#### Questioning

- Question Formulation Technique (QFT)
- Levels of Questioning
- Revised Bloom's Taxonomy

# Resources for Rigor

## Math

*Hands-On Equations*

*Project M<sup>2</sup> and Project M<sup>3</sup>*

*Project A<sup>3</sup>: 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

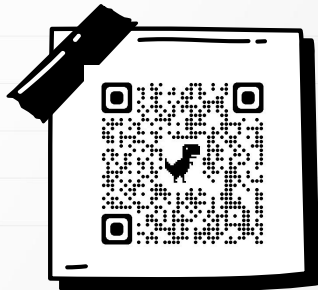
*William & Mary Problem-Based Science Units*

*Project Clarion Science Units*

*Vanderbilt Interdisciplinary Units*

# Advanced Academics & Talent Development at Innovation

QR code for IES AA website



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



# 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



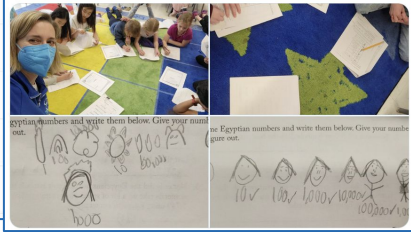
**Sarah Congable, NBCT**  
@MrsCongableAPS

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!



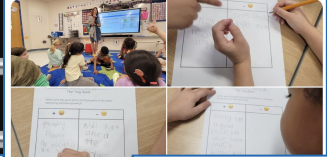
**Sarah Congable, NBCT**  
@MrsCongableAPS

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.



**Miss Ezrow**  
@MarissaEzrow

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



**Sarah Congable, NBCT**  
@MrsCongableAPS

We love the way Jacob's Ladder activities help us see things from a different perspective!



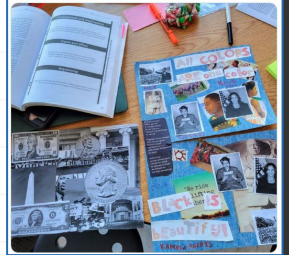
**Sarah Congable, NBCT**  
@MrsCongableAPS

2nd grade students in Ms. RITT's class explored different economic perspectives using DeBono's hats!



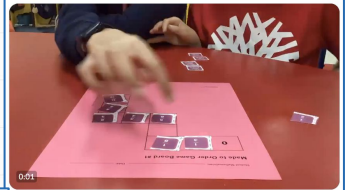
**Sarah Congable, NBCT**  
@MrsCongableAPS

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



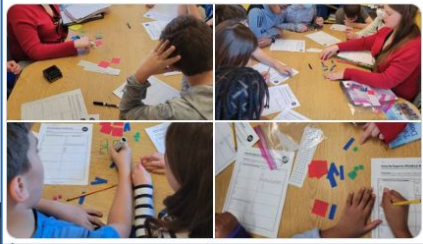
**Sarah Congable, NBCT**  
@MrsCongableAPS

The content you didn't know you needed...a time lapse video of 5th graders playing a @KendallHuntK12 Project A3 fractions game! Love this resource; thanks again @APSGifted and @CelineClarkAPS for collaborating!



**Sarah Congable, NBCT**  
@MrsCongableAPS

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



# Classroom Support

**Sarah Congable, NBCT**  
@MrsCongableAPS

And today in Ms. Kerley's class, we made the switch to activate the light!



**Sarah Congable, NBCT**  
@MrsCongableAPS


Testing to see how far the cotton ball traveled was the best part!



**Sarah Congable, NBCT** @MrsCongableAPS · Mar 24  
Let there be light! Today @msmaniacs students had fun working with @EIE\_org labs.



**Sarah Congable, NBCT** @MrsCongableAPS · Oct 14  
2nd graders loved designing and building projector launchers to wrap up @APSscience force and motion unit!



**Sarah Congable, NBCT**  
@MrsCongableAPS

I loved subbing for @ERudzewicz today because I got to creatively engage @innovation3rd students! What can you make from a simple dot/circle?



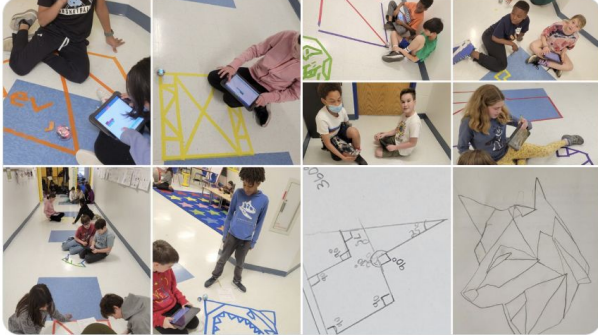
**Sarah Congable, NBCT**  
@MrsCongableAPS

Love how 3rd grade enriched their ELA unit by sharing writing pieces during tea time!



**Sarah Congable, NBCT**  
@MrsCongableAPS

5th graders created geometric designs, then coded @Sphero to travel the shape and name the angles at each turn. Love the way students can apply their learning!



**Sarah Congable, NBCT**  
@MrsCongableAPS

Encapsulating sound concepts was a challenge that yielded impressive products, thanks to creative brain power and @canva tools!

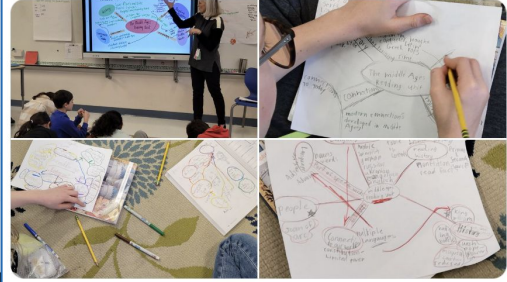


Emily Maniace and 2 others

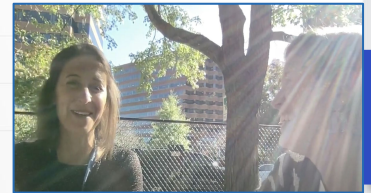
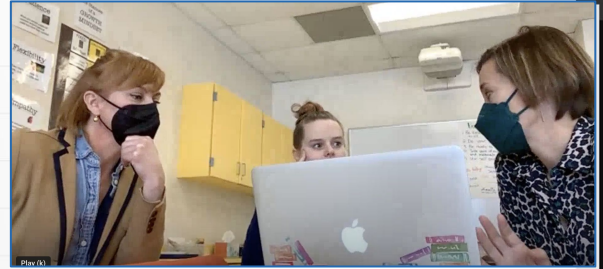
**Emily Maniace** @msmaniacs · Jan 31  
Replying to @msmaniacs  
Morning message for today is related to our encapsulation CCT lesson. Stay tuned to see some student encapsulation later with tweets, trading cards, and stickers this afternoon. @MrsCongableAPS @Innovation\_APS

**Sarah Congable, NBCT**  
@MrsCongableAPS

Loved seeing all the different ways @StephanKatie's students approached mind mapping at the end of their @Amplify Middle Ages unit!



# Professional Development



# 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
  - grade-level
  - landing page general tips from advanced academics
- Homeroom teacher emails
- Webpage updates



@MrsCongableAPS

## Getting Connected: APS Advanced Academics



APS Gifted Services Website  
[www.apsva.us/giftedservices](http://www.apsva.us/giftedservices)



@aps\_advanced\_academics



@APSGifted

## Parent Advisory Committee for Advanced Academics

This APS parent advocacy group is a part of the Advisory Council on Teaching and Learning.

Meets monthly from 7:00-8:30.

If you are interested in serving on this committee and/or attending a meeting, please contact: [carlisle.levine@gmail.com](mailto:carlisle.levine@gmail.com) & [geastman@cornerstone.com](mailto:geastman@cornerstone.com).

# Parent Resources



<http://www.vagifted.org>



NATIONAL ASSOCIATION FOR  
**Gifted Children**

<http://nagc.org>



<http://sengifted.org>

# Contact Information

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

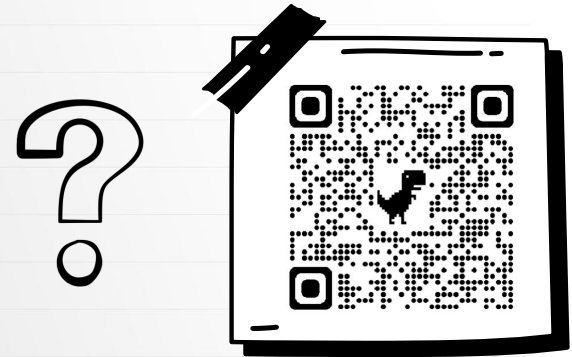


- Cheryl McCullough
- APS's Supervisor of the Office of Advanced Academics and Talent Development
- cheryl.mccullough@apsva.us
- 703-228-6159



What  
questions  
might you  
have?

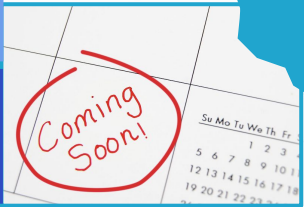
You may use the QR  
code for questions you'd  
like to ask more privately.







# Screening & Identification Information Session



- APS screens the entire school population by...
  - Universal Screeners
  - Academic Performance
  - Student Conferences
  - Growth Portfolios
  - Products / Process
- Referrals can be made by teachers, parents, community leaders, and students

# Screening Timeline

October, February	Parent Information Meetings Fall - Delivery of Services   Winter - Identification	AAC
November	Mass Universal Screener: NNAT for grade 1   CogAT for grade 2 Selective Universal Screener: CogAT for students in grade 3, 4, & 5 without a previous score	AAC, School Testing Coordinator
December	Communication to teachers Preliminary review of student work samples	AAC, classroom teachers
January - May	Communication to families Collection of Data: parent information forms, monthly review meetings, populate Gifted Behavior Commentary (GBC) forms, review work samples, analyze formative/summative assessments	AAC, classroom teachers, specialists, administrators, counselors
June	Communication to families	AAC, Principal
July - August	Appeals, if necessary	Level 1: Principal Level 2: countywide