Advanced Academic Programs (AAP)

Orientation for Full-Time Services

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Outcomes

In this meeting we will:

- Share an overview of Full-Time AAP Services
- Share our local school AAP grouping plans
- Share some examples of student work with AAP curriculum



Fairfax County Schools (FCPS) Beliefs

- All students deserve an excellent education.
- Students learn best when educators, families, and students work together.
- High expectations lead to high performance.
- All students need opportunities to use strengths and pursue interests.



AAP Continuum of Services

AAP offers a continuum of services to challenge and engage all students K-12. Our goals are:

- Provide deeper learning and talent development opportunities to all students
- Identify and build upon student strengths and abilities
- Provide multiple entry points to meet diverse student needs through the continuum of services

We believe talent can be nurtured and developed in all students. AAP services for a student may change over time.



Advanced Academic Programs Overview

Young Scholars Model - K-12

Elementary School	Middle School	High School
Access to Rigor - K-6	IB Middle Years Program – Grades 6 -10 (select schools)	
Subject Specific AAP - K-6	Honors Courses in areas of Academic Strength/Interest Grades 7-8	 Honors Courses Advanced Placement (AP)
Part-Time AAP - Grades 3-6		International Baccalaureate (IB)Dual Enrollment Courses
Full-Time AAP - Grades 3-8		Thomas Jefferson High School for Science and Technology

Adapted from the Integrated Continuum of Special Services by Sally Reis and Levels of Service by Donald Treffinger.



Full-Time AAP Services

Some advanced learners need a full-time advanced academic program, including differentiated instruction in all four content areas and access to a peer group with similar academic needs.

Students eligible for Full-Time AAP services receive:

- Advanced Language Arts, mathematics, science, and social studies curriculum, and
- Curriculum that is differentiated through acceleration, depth, and complexity of content.



Full-Time AAP Services

Students receiving Full-Time AAP Services are in a classroom that:

- Will adjust pace, intensity of depth and complexity, and inquiry-based approaches daily,
- Stimulates creativity and problem solving,
- Encourages academic risk-taking and productive struggle for continuous intellectual growth,
- Nurtures the unique social-emotional needs of advanced learners, and
- Provides opportunities for reflection and self-assessment.

Full-Time Center & Local Full-Time Comparison

Center Programs

Local Programs

Students are grouped primarily with students who have been found eligible for full-time services through the central screening process

Students from multiple feeder schools leave base schools to attend a center site

AAP curriculum is used full-time in all four content areas for students identified for full-time AAP

Classroom teachers have or are working towards AAP endorsement

Schools receive continuous professional learning

Schools use cluster grouping models to ensure an academic peer group for students identified for full-time AAP services

Additional students are grouped in the class

Curriculum access is expanded to more students with scaffolding for support

Serves only students from neighborhood school / students do not need to leave their base school



Local Full-Time AAP Overview

Students eligible for Full-Time AAP Services may stay at their local school and receive full-time services.

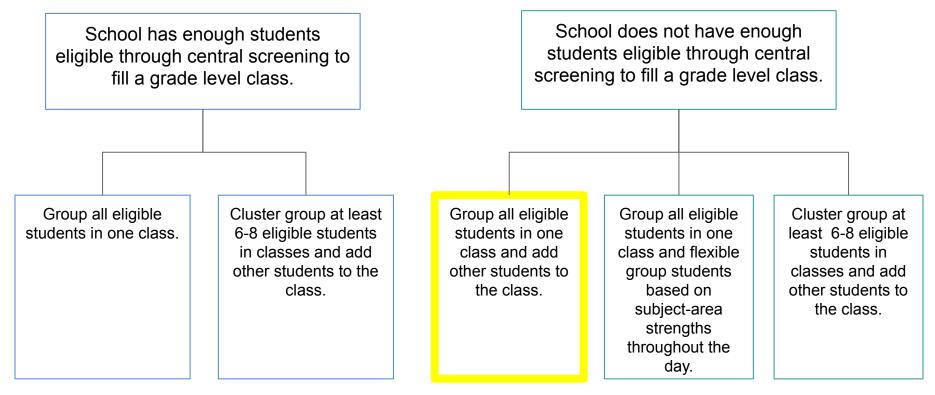
Local Full-Time AAP has the same:

- Curriculum and resources,
- Learning objectives, and
- Teacher qualifications.

Local Full-Time AAP may:

Use flexible and cluster grouping.

Local Full-Time AAP Grouping Models



At Cardinal Forest, we plan to group all Level IV eligible students in one class and add other students to the class.



Why Local Full-Time AAP?

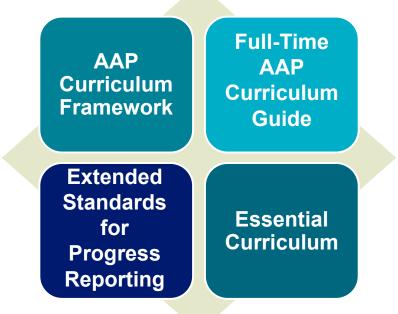
Supports a continuum of advanced academic services at the local school

Students may choose to stay at their base school and receive the appropriate level of challenge

Increased access to AAP curriculum for students who are ready for advanced work



Full-Time AAP Services: Connecting it all Together





Curriculum

AAP curriculum is used for all services on the AAP continuum

- Units that center around macro concepts such as change, systems, or interdependence
- Units that incorporate increased levels of independence and complexity with Problem-Based Learning
- Units that ask students to work as experts in the field
- Opportunities for problem solving, including competitions

Full-Time AAP Services includes resources being used on a full-time basis in the for core content areas.



Curriculum Frameworks

AAP Curriculum and Resources to Support the Differentiated Framework Grade 3 Overview | Mathematics | Social Studies | Language Arts | Science **Mathematics Essential Resources** Advanced Mathematics Planning and Pacing Yearly Overview Grade 3 R01665A **Building a Mathematics Community** R016690 Project M3: Mentoring Mathematical Minds Unraveling the Mystery of the MoLi Stone: Place Value and Numeration Teacher Guide (978-1-4652-8075-6) Student Journal (978-1-4652-6197-7) Awesome Algebra: Looking for Patterns and Generalizations o Teacher Guide (978-1-4652-8076-3) Student Journal (978-1-4652-6201-1) . Digging for Data: Collecting, Displaying and Analyzing Data Teacher Guide (978-1-4652-8082-4) Student Journal (978-1-4652-6209-7) . How Big is Big: Understanding and Using Large Numbers Teacher Guide (978-1-4652-8078-7) Student Journal (978-1-4652-6232-5) . In Search of the Yeti: Measuring Up, Down and All Around *All schools have at least one copy of this resource. o Teacher Guide (978-1-4652-8090-9) Student Journal (978-1-4652-7037-5) Critical and Creative Thinking Lessons R01837F

Research-Based Curriculum for Advanced Learners

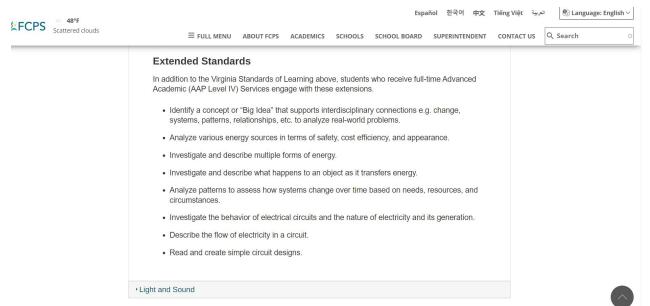
Professional Development Provided to Teachers

Four Core Content Areas:

- Mathematics
- Language Arts
- Social Studies
- Science



Extensions of the Core Curriculum - Progress Report Alignments





Extensions of the Core Curriculum - Progress Report Alignments

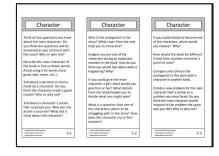
Go to www.fcps.edu, search "progress report."

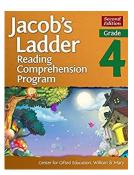




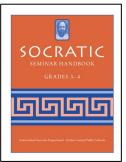
Language Arts Curriculum

- William & Mary
- Reading Above
- Michael Clay Thompson
- Socratic Seminar
- Jacob's Ladder
- Great Debate





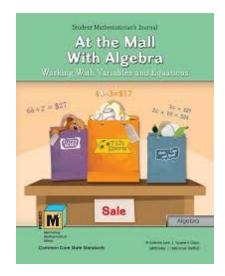


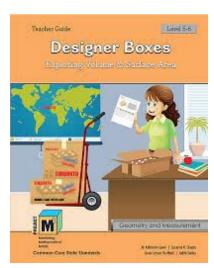


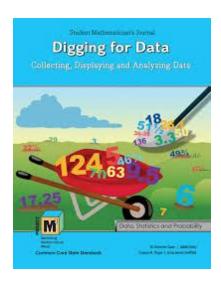


Mathematics Curriculum

Project M³: Mentoring Mathematical Minds; Grades 3-6



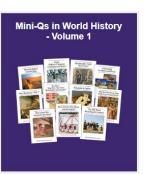


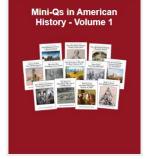




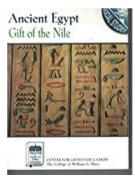
Social Studies Curriculum

- Document Based Questioning (DBQ)
- William & Mary Social Studies Units





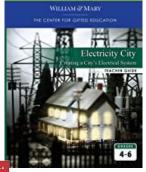




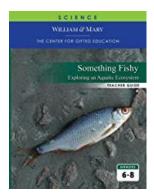


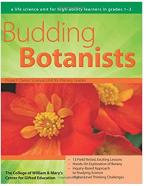
Science Curriculum

- William & Mary
- Project Clarion
- JASON Learning



SCIENCE









Language Arts

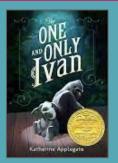
Literary Conflict: a deepening discourse, let's listen in......



Debating External Conflict with a Classmate-

Students consistently consider different points of view and listens to the views of others and then evaluate what has been said. In discussion, it was stated, "I would respectfully like to disagree with XXXX. XXXX, you think that the conflict was person versus nature, but I disagree because the apple she ate was not poisonous in nature it was people, the queen who poisoned the apple.

I also want to say that is it not people versus society either because it was not everyone doing something to Cinderella it was just the queen herself." Responses to conflict within, <u>The One and</u> <u>Only Ivan</u> & <u>Snow White</u>, <u>So Forgetful</u>, *via Reading Above questions*.



Conflict

What is the main conflict in the book? Is the conflict mainly between different people or is it a different kind of conflict? Explain.

Tell about a character who is a "peacemaker" in the book. Explain how he or she helps avoid or resolve conflicts.

The One and Only Ivan; Internal or External Conflict:

"Ivan had internal conflict. he was fighting against himself. First he had to make all choices with a promise. This was not easy because a promise must be forever. He made the promise to Stella so she would not be depressed before she died. Ivan wanted to make her happy, but making her happy made him feel, sad, happy, and good. But his worry was the promise and to keep Ruby safe, because she was treated so badly. He knew in he had to put Ruby first."

Mathematics

Advanced Mathematics_M3, How Big Is Big?

Task: Develop a plan to determine how many stars are in the photo.



Strategy: Count the stars in a fraction of the picture, and then multiplyto be most efficient.

Kathleen was about to do the Puzzling Puzzles below when she spilled some ink on them, making them even more challenging! Can you figure our what goes in each box without looking at the 700s chart? Chapter 2: Patterns with Charts and Arrays

Puzzling Puzzles

Page 1

Page 2

Advanced Academics_ Awesome Algebra, Puzzling Puzzles

Mathematics

HANDS-ON EQUATIONS® Lesson #13

Classwork Sheet

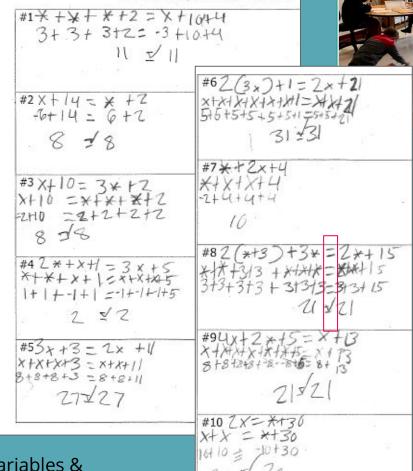
Grade: 30

Use your Hands-On Equations Kit to solve:

New Work

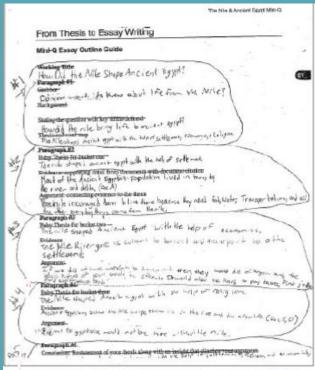
- Check: 11 ≠11 X=-3 X=3 1. △△△② ▲⑩刊 X=-6 X=6 Check: 8 -8 2. x+14=x+2
- Check: 8 = 8 3. x+10=3x+2X=-2#= 2
- Check: 2 ≠ Z 4. $2 \times + x + 1 = 3x + 5$ X=- | X= |
- Previous Work 3x
- Check: 27 27 5.4x-x+3=2x+116. 2(3x)+1=2x+21Check: 3 1 31
- 7. If $\star = -2$, evaluate: $3 \times -2 \times +2 \times +4$ Ans. Lo
- 8. 2(x+3)+3x=2x+15Check: 21 ± 21
- Check: 21=21 9. 4x+2x+5=x+13X=8 X= 8
- 10. 2x = x + 30x=10 x=-10 Check: 20/20

Students <u>solve equations</u> with *multiple* variables & effectively simplify both variables and *number* values.

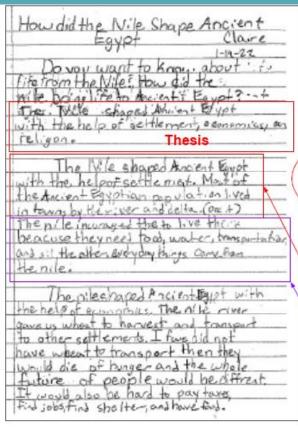


Hands-On Equations® Work Page

Social Studies



Outline for Document Based Questions (DBQ), How Did the Nile Shape Ancient Egypt?



Final Essay: How Did the Nile Shape Ancient Egypt? (Pg. 1) the nile shaped tracent Egypt with the help of religion. Ancient Egypt was would not be here with out the nile.

The nile chaped tracent Egypt with the help of settlement, religion, and economics. In my opinion without the nile the reworld not be any civalation thereandmay be Egypt would not even be a part of the map and mabye not even of the globe.

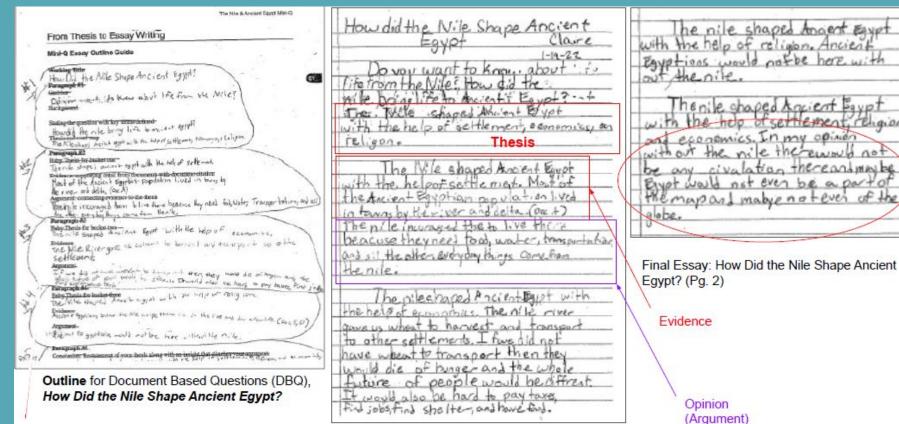
Final Essay: How Did the Nile Shape Ancient Egypt? (Pg. 2)

Evidence

Opinion (Argument)



Social Studies



Final Essay: How Did the Nile Shape Ancient Egypt? (Pg. 1)

Dig It_Project-Based Learning

Students analyze the diversity of soil through 'awe-inspired', 'the world is my oyster', 'get my hands dirty', kind of lens.













Students use scientific reasoning & logic as they investigate to understand that 'adaptations allow organisms to satisfy life needs & respond to the environment'.

How can you as an entomologist, design a new exhibit for the O'Orkin. Inset Zoo that will teach visitors why ladybugs are an important part of our environment?



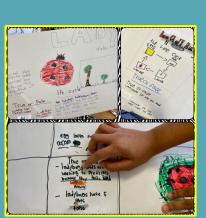
Students connected farming & food web relationships (interdependence) as they tackled a PBL designed to convince others of the importance of ladybugs to the environment!

Science





Project-Based Learning







A Note About Homework

- Local and Center Full-Time AAP follow the same policy outlined in the <u>FCPS homework guideline</u>.
- Full-Time AAP Services do not entail "more" homework than typical grade level guidelines.



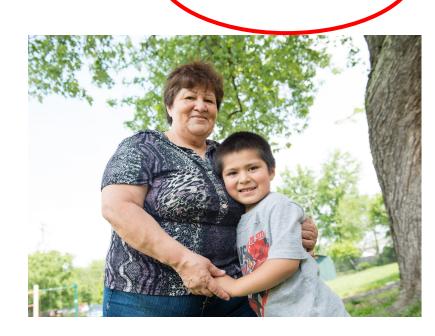


What can I do to support my child?

Effort and growth!

Work with your child to:

- Celebrate learning and progress instead of praising abilities
- Identify needed supports
- View productive struggle as a good thing
- Share your own personal challenges





Support for Twice Exceptional Students (2e)



FCPS provides 2e students with a classroom setting that recognizes and encourages their intellectual strength.

Supports for 2e students may include:

- Support with planning and organization,
- Modification of learning material or environment,
- Flexible timelines, and
- Alternative learning experiences.



Parent Resources

FCPS Advanced Academic Programs www.fcps.edu, Search AAP

FCPS Local Plan for the Gifted www.fcps.edu, Search Local Plan

Virginia Association for the Gifted www.vagifted.org

National Association for the Gifted www.nagc.org



Search FCPS



Cancel











Questions

Raise your hand or type a question in the chat.

Feedback

Let us know any feedback you might have.

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Reminder

Don't forget to accept or defer placement using the directions in your student's eligibility letter by May 6, 2024.