

Elementary School Advanced Academic Programs



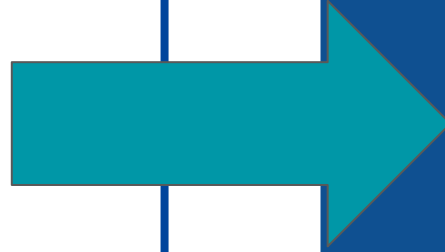
Apply

• **Explore** •

Create



**Gifted &
Talented
Education
Program
(G/T)**



**Advanced
Academic
Programs
(AAP)**

Our AAP Staff

- Laura Register
- 30th year teaching
- 20 years in AAP
- Super excited to be at LES for my second year!



Program Mission

Advanced Academic Programs seek to recognize and develop talents in all students, including those students already performing at advanced levels.



Program Components

- Primary Talent Development
- AAP Instructional Seminars
- AAP Math
- Curriculum Extension Units (CEUs)

Primary Talent Development (PTD)

- Push-in model in Pre-K, K, 1, and 2
- Support development of creative and analytical reasoning
- Extend learning for students performing at advanced levels



Primary Talent Development (PTD)

All students in grades K-2 will be included in hands-on learning that focuses on:

- Creativity
- Perseverance
- Making connections
- Problem-solving



Talent Development Offerings: AAP Instructional Seminars



Instruction in
Advanced-Level
Skills



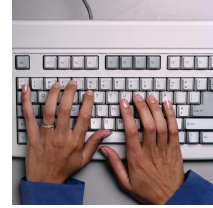
Open to All
Interested
Students



Creative
Production or
Inquiry

Sample AAP Instructional Seminars at Our School

- Grade 3: Typing Troop, STEM Challenge, Masterpiece Makers, Noticing Nature
- Grade 4: Once Upon a Classroom, Ink and Imagination, STEM Squad
- Grade 5: Code Crackers, Craft Crew, Game Changers



Where can I find out more about Instructional Seminars at our school?

- Our school website
- Information in the Lisbon Lines
- School's AAP Resource Teacher (me!)
- Your student!
- Paper participation form



- Accelerated and enriched curriculum
- Focus on problem solving and application of mathematics
- Daily instruction

AAP Mathematics



Grade 4 GT Mathematics

UNIT 1**Finding Volume**

- Family Support Materials

UNIT 2**Fractions as Quotients and Fraction Multiplication**

- Family Support Materials

UNIT 3**Multiplying and Dividing Fractions**

- Family Support Materials

UNIT 4**Wrapping Up Multiplication and Division with Multi-Digit Numbers**

- Family Support Materials

UNIT 5**Place Value Patterns and Decimal Operations**

- Family Support Materials

UNIT 6**More Decimal and Fraction Operations**

- Family Support Materials

UNIT 7**Shapes on the Coordinate Plane**

- Family Support Materials

UNIT 8**Putting It All Together**

- Family Support Materials



UNIT 1
Areas

- Reasoning to Find Area
- Parallelograms
- Triangles
- Surface Area

UNIT 2
Ratios, Rates, and Percentages

- What are Ratios?
- Representing Equivalent Ratios
- Rates
- Percentages

UNIT 3
Fractions and Decimals

- Making Sense of Division
- Dividing Fractions
- Fractions in Lengths, Areas, and Volumes
- Warming Up to Decimals
- Dividing Decimals

UNIT 4
Equations and Expressions

- Equations in One Variable
- Equal and Equivalent
- Expressions with Exponents
- Relationships Between Quantities

UNIT 5
Proportional Relationships

- Representing Proportional Relationships with Equations
- Representing Proportional Relationships with Graphs
- Circumference of a Circle
- Area of a Circle

UNIT 6
Percentage Increase and Decrease

- Proportional Relationships with Fractions
- Percent Increase and Decrease
- Applying Percentages

UNIT 7
Rational Numbers

- Negative Numbers and Absolute Value
- Adding and Subtracting Rational Numbers
- The Coordinate Plane
- Multiplying and Dividing Rational Numbers
- Equations with Rational Numbers

UNIT 8
Data Sets and Distributions

- Measures of Center and Variability
- Sampling
- Probabilities of Single Step Events

Grade 5 GT Mathematics



Placement Process for AAP Math

- CogAT administered to ALL students in December of 3rd grade.
 - Meets State COMAR requirement for an ability measure.
 - Helps identify students who may underperform in school.
- All students reviewed as part of the AAP Placement Process using multiple criteria.

Measurements Included in the Placement Process

- Ability Measure (CogAT)
- Standardized assessments (MAP, MCAP)
- Student work samples
 - Application
 - Analysis
 - Problem Solving
- Student grades on assignments requiring critical, analytical, and/or creative thinking
- Documentation from families

How can families support the placement process?

- Provide the school information regarding your child's academic strengths, including activities outside of school.
- Request clarification regarding your child's strengths and/or challenges in a class.
- Communicate regularly with the AAP Resource Teacher and your child's math teacher.

Curriculum Extension Units (CEUs)

- Extend science or social studies standards
- Advanced-level content
- 2 per grade lasting approximately 4 weeks during the corresponding content time
- All students considered as part of the CEU Placement Process using multiple criteria

Curriculum Extension Units

	Q1	Q2	Q3	Q4
3rd Grade		Weather	Environmental Literacy	
4th Grade Option 1		Waves of Communication	The Road to Revolution	
4th Grade Option 2		Colonial Cultures	Saving Tangier Island	
5th Grade	We the Students			River Watch

Placement Process for CEUs

Multiple performance measures used to indicate readiness for participation

- Teacher observation
- Writing samples
- Advanced learning behaviors (logic, reasoning, creativity, etc.)
- Standardized assessment scores (i.e. MAP, CogAT for 4th and 5th)



Supporting Your Student

- Communicate with your child's classroom teachers and the AAP Resource Teacher.
- Encourage your student to take advantage of enrichment opportunities, such as AAP Instructional Seminars.
- Consider participation in afterschool/summer programs (i.e. HCPSS Summer Institutes for Talent Development).
- [HCPSS Math Supports](#)

Nurturing Advanced Behaviors at Home

Advanced Language	Logic and Reasoning	Motivation and Persistence	Leadership	Perspective
Increase use of sophisticated language.	Share your thinking. Think sequentially.	Ask thought-provoking questions.	Show how you solve problems. Discuss strategies and create new ways to solve problems.	Discuss various perspectives.
Ask provocative questions.	Take things apart and put back together – ideas, objects or experiences.	Encourage independence.	Model taking initiative.	Demonstrate and model flexibility in your thinking by examining opposing points of view.
Point out similarities and differences.	Organize collections or ideas in insightful ways.	Show curiosity about ideas, events, experiments, experiences.	Set high expectations.	Embellish/ expand thoughts, perspectives, etc.

Opportunities for Family Engagement

- Become an AAP Resource volunteer
- HCPSS G/T Website:
www.hcpss.org/academics/gt
- Advanced Programs Parent Academies
- HCPSS News for Advanced Programs
Information

For More Information

- Our school website
- HCPSS Advanced Programs website at www.hcpss.org/gt
- NAGC website at www.nagc.org
- Email me
laura_register@hcpss.org

