Welcome to Lanier

Get to know our instructional program to make informed choices for your 7th & 8th grade years.
Welcome to Lanier

All students will take:
★ English
★ Math
★ Social Studies
★ Science
★ Health & Physical Ed.

Each of the core classes are offered at different levels of rigor - pick your best fit.

All students will choose one of the options below:
- 2 year-long electives
- OR
- 1 year-long and 2 semester electives
- OR
- 4 semester electives
Meet Your Counselors

Luke Donald  Jamie Haley  Dayle Ranallo  Liz Velazco
Office Staff

Lea Im
Principal’s AA

Kara Payne
Office Assistant

Cindy Bonilla
Office Assistant

Patty Lopez
Student Services
Safety & Security

Officer Nunley
School Resource Officer

Dr. Karl Gussow
Dean of Students & Test Coordinator

John Moran
Safety and Security
Teams consist of English, Social Studies and Science teacher. Team teachers meet weekly to discuss students.
Communication

- Lanier website/FCPS website http://www.fcps.edu/LanierMS/
- Blackboard/FCPS Google
- Twitter @Lanier_MS
- FCPS Mobile App
- Blackboard App
- Blackboard – updated regularly with important due dates for assignments (Tests, Quizzes, Projects, etc.).
- All teachers should have staff information, syllabus, course guidelines, and afterschool availability.
- Sites differ between teachers; check daily but students have a responsibility
TECHNOLOGY
Visit them in the MakerSpace Room 153

Matt Bechtel
School Based Technology Specialist

Paul DesVergnes
Technology Support Specialist
AFTER SCHOOL ACTIVITIES

https://lanierafterschool.wordpress.com/

• Mon, Wed, Thurs; 2:20-4:25
• Students are expected to stay on campus and with an adult sponsor during after school activities
• Buses depart by 4:45
• Mr. Julio Dejo – After school Coordinator

Mr. Julio Dejo
Visit them in room 132
Meeting at 6:45
Thank you!
Middle School Mathematics

David Van Vleet
Middle School Mathematics Specialist
Fairfax County Public Schools
GLOBAL CITIZEN

COLLABORATOR

CREATIVE AND CRITICAL THINKER

SELF-DIRECTED AND RESPONSIBLE INDIVIDUAL

COMMUNICATOR
Five goals for students to...

- become mathematical **problem solvers** that
- **communicate** mathematically;
- **reason** mathematically;
- make mathematical **connections**; and
- use mathematical **representations to model** and interpret practical situations
## Elementary Mathematics

### Instructional Sequence and Advanced Mathematics

#### Kindergarten
- Kindergarten Standards
- Kindergarten Extensions
- Correlated Grade 1 Standards

#### Grade 1
- Grade 1 Standards
- Grade 1 Extensions
- Correlated Grade 2 Standards

#### Grade 2
- Grade 2 Standards
- Grade 2 Extensions
- Correlated Grade 3 Standards

#### Grade 3
- Grade 3 Standards
- Grade 3 Extensions
- Correlated Grade 4 Standards

#### Advanced Grade 3
- Grade 4 Standards
- Residual Grade 3 Standards
- Grade 4 Extensions
- Grade 4 Extensions

#### Grade 4
- Grade 4 Standards
- Grade 4 Extensions
- Correlated Grade 5 Standards

#### Grade 5
- Grade 5 Standards
- Grade 5 Extensions
- Correlated Grade 6 Standards

#### Grade 6
- Grade 6 Standards
- Grade 6 Extensions
- Correlated Grade 7 Standards

#### Grade 7
- Mathematics 7
- Mathematics 7 Honors
- Algebra 1 Honors

*Note: Items are used as needed for differentiation."

*Most class placement criteria*
# Secondary Mathematics

## Mathematics Academic Sequence of Courses K-12

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<thead>
<tr>
<th>Elementary School</th>
<th>Middle School</th>
<th>High School</th>
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**Students enrolling in Algebra 1 Honors in 7th grade must meet placement criteria.**

**Precalculus includes all the topics of trigonometry.**

**Multivariable Calculus is a one semester course followed by Matrix Algebra.**

**Mathematics Electives include: Trigonometry, Probability and Statistics and or Discrete Mathematics – Semester Courses. AP Statistics, AP Computer Science, IB Computer Science.**
# Secondary Mathematics

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7th Grade Mathematics Courses

• Algebra 1 Honors
  • Each of the following criteria needs to be met for placement in Algebra I Honors at 7th grade:
    • Advanced Mathematics 6 or a year-long accelerated mathematics course
    • Iowa Algebra Aptitude Test (IAAT) score at or above the 91st percentile
    • A score of pass advanced (500 or above) on the Mathematics 7 SOL test
7th Grade Mathematics Courses

• Mathematics 7 Honors – open enrollment
  • The depth and level of understanding in Mathematics 7 Honors is beyond the scope of Mathematics 7.
  • This course is based on Pre Algebra curriculum and includes extensions and enrichment.
Mathematics 7 Honors

- Mathematics 7 Honors is an acceleration of the mathematics curriculum.

- Requires students to master the content assessed on the Pre Algebra Standards of Learning (SOL) test.
Students who have not completed Advanced Mathematics 6 may need support and/or require additional effort and study to be successful.

Grade 6  Mathematics 7  Honors

- Content missed
  - Absolute value
  - Square root
  - Add/subtract/multiple/divide Integers (also modeling)
  - Solving one- and two- step equations
  - Single/multi-step proportional reasoning and practical problems
Mathematics 7 Honors

Key take-away:

Both Mathematics 7 and Mathematics 7 Honors prepares students for Algebra 1 or Algebra 1 Honors in Grade 8.
Mathematics 7

- This course provides opportunity for students to examine:
  - algebra- and geometry-preparatory concepts and skills;
  - strategies for collecting, analyzing, and interpreting data;
  - and number concepts and skills especially proportional reasoning.
Which course is best for your child?
- Open enrollment/Informed decision

Recommendation
- A discussion with child and teacher(s).
- Both Mathematics 7 Honors and Mathematics 7 lead to Algebra in 8th grade.
- Based on your child’s schedule, what is best for him/her?
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*Precalculus includes all the topics of trigonometry

- Multivariable Calculus is a one semester course followed by Matrix Algebra
8th Grade Mathematics Courses

- Pre Algebra
- Algebra 1 or Algebra 1 Honors
  - OPEN ENROLLMENT
- Geometry Honors
Algebra 1 in Grade 8

- Students are on a pathway to Advanced Placement (AP) Calculus in grade 12

- Opens up different Science options in high school
  - Honors Chemistry in grade 10 (co-requisite Algebra 2)
  - AP Physics in grade 12 (co-requisite AP Calculus)
How to support your child

- Help them develop a mindset that they can be successful in mathematics.
- Ask them what they did in mathematics class today. Show them you are interested in mathematics.
- Encourage them to get help/assistance from their teacher when they don’t understand.
Questions?
Kevin Greata
Assistant Principal
Lanier Middle

kjgreata@fcps.edu

703-934-2412