Click on a grade level to find the virtual professional learning options offered by the Georgia Department of Education.

- Kindergarten
- 1st Grade
- 2nd Grade
- 3rd Grade
- 4th Grade
- 5th Grade
- 6th Grade
- 7th Grade
- 8th Grade
- Algebra: Concepts & Connections
- Geometry: Concepts & Connections
- Advanced Algebra: Concepts & Connections
- Precalculus
- Mathematical Modeling Pathway
- Advanced Calculus
- Advanced Statistics

Click Here for Listing of all Grade Level Mathematics Virtual Specialists 2021-2022

Click Here for GaDOE Mathematics Team Contact Information

Click Here to Join Georgia Mathematics Professional Learning Community
Kindergarten

Session 1:
Building the Count Sequence and Counting Routines

November 17, 2021 (Pre-Recorded)

Link to pre-record PL session
Watch Now

Session 2:
Early Numeracy and Counting

November 30, 2021 (Pre-Recorded)

Link to pre-record PL session
Watch Now

Session 3:
Math Tools: Using Manipulatives to Develop Student Understanding

December 7, 2021 5:00-6:00 PM (Live)

Link to live session recording
Watch Now

Session 4:
Decomposing Numbers and Place Value

December 15, 2021 5:00-6:00 PM (Live)

Link to live session recording
Watch Now

Session 5:
Geometric and Spatial Reasoning

January 12, 2022 (Pre-Recorded)

Link to pre-record PL session
Watch Now

Session 6:
Patterning and Algebraic Thinking

February 16, 2022 5:00-6:00 PM (Live)

Link to live session recording
Watch Now

Session 7:
Concepts of Addition and Subtraction

March 16, 2022 (Pre-Recorded)

Link to pre-recorded PL session
Watch Now

Session 8:
Math Talk and Writing in Mathematics

April 20, 2022 5:00-6:00 PM (Live)

Link to live session registration
Watch Now

Richard Woods, Georgia’s School Superintendent  |  Georgia Department of Education  |  Educating Georgia’s Future
# 1st Grade

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3rd Grade

Session 1: Problem-Solving with Multiplication and Division
November 4, 2021 (Pre-Recorded)
Link to pre-record PL session

Session 2: Multiply and Divide within 100
November 18, 2021 6:00-7:00 PM (Live)
Link to live session recording

Session 3: Patterns in Arithmetic and Problem-Solving
December 2, 2021 (Pre-Recorded)
Link to live session recording

Session 4: Reasoning with Shapes and their Attributes
December 16, 2021 6:00-7:00 PM (Live)
Link to live session recording

Session 5: Representing and Comparing Fractions
January 20, 2022 6:00-7:00 PM (Live)
Link to live session recording

Session 6: Measurement and Problem-Solving
February 17, 2022 6:00-7:00 PM (Live)
Link to live session registration

Session 7: Solving Problems with Larger Numbers using Place Value and Properties
March 17, 2022 (Pre-Recorded)
Link to pre-recorded PL session

Session 8: Data and Statistical Reasoning
April 14, 2022 (Pre-Recorded)
Link to pre-record PL session
4th Grade

Session 1: Let’s give them something to talk about: Math Routines
November 17, 2021 (Pre-Recorded)
Link to pre-recorded session
Watch Now

Session 2: Math in the Real World
November 30, 2021 6:00-7:00 PM (Live)
Link to live session recording
Watch Now

Session 3: Keywords aren’t the Key to Understanding
December 2, 2021 (Pre-recorded)
Link to pre-recorded session
Watch Now

Session 4: No matter how you slice it...Making sense of fractions
December 15, 2021 6:00-7:00 PM (Live)
Link to live session recording
Watch Now

Session 5: Another Piece of the Puzzle: Understanding Decimals
January 20, 2022 (Pre-recorded)
Link to pre-recorded session
Watch Now

Session 6: What Do the Data Show?
February 10, 2022 6:00-7:00 PM (Live)
Link to live session recording
Watch Now

Session 7: Getting into Shape!
March 10, 2022 6:00-7:00 PM (Live)
Link to live session registration link

Session 8: Going the Distance: (time, length, area, and perimeter)
March 31, 2022 (Pre-recorded)
Link to pre-recorded session

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5th Grade

Session 1: A Progression of Learning: Adding and Subtracting Mixed Numbers
   TBD (Pre-Recorded)
   Link to pre-record PL session:
   Watch Now

Session 2: A Progression of Learning: Multiplying Fractions
   February 9, 2022 (Pre-Recorded)
   Link to pre-record PL session:

Session 3: A Progression of Learning: Dividing Fractions
   February 23, 2022 (Pre-Recorded)
   Link to pre-record PL session:

Session 4: A Progression of Learning: Building the Concept of Volume
   March 9, 2022 4:00-5:00 pm (Live)
   Live session registration link:
   LIVE

Session 5: A Progression of Learning: Statistical Reasoning
   March 23, 2022 4:00-5:00 pm (Live)
   Live session registration link:
   LIVE

Session 6: A Progression of Learning: Geometric Reasoning Part 1
   March 30, 2022 (Pre-Recorded)
   Link to pre-record PL session:
   LIVE

Session 7: A Progression of Learning: Geometric Reasoning Part 2
   April 13, 2022 4:00-5:00 pm (Live)
   Live session registration link:
   LIVE

Session 8: Reasoning and the Productive Struggle
   April 27, 2022 4:00-5:00 pm (Live)
   Live session registration link:
   LIVE
6th Grade

Session 1: Which is the Better Buy?
November 16, 2021 (Pre-Recorded)
Link to pre-record PL session:

Session 2: I Don’t Have a Twin but I Do Have an Opposite!
December 7, 2021 (Pre-Recorded)
Link to pre-record PL session:

Session 3: Do Statistics Make You M.A.D.?
December 8, 2021
3:30-4:30 pm (Live)
Link to recorded PL session:

Session 4: Desmos, Where Have You Been My Entire Middle School Life?
December 15, 2021
3:30-4:30 pm (Live)
Link to recorded PL session:

Session 5: It’s OK for You to Talk Now! Let Students EXPRESS Themselves!
January 19, 2022
3:30-4:30 pm (Live)
Link to recorded PL session:

Session 6: Strategies for Solving One-Step Equations and Inequalities
February 8, 2022
3:30-4:30 pm (Pre-Recorded)
Link to pre-record PL session:

Session 7: How Can Statistics be Used to Connect Concepts in 6th Grade?
March 23, 2022
3:30-4:30 pm (Live)
Live session registration link:

Session 8: Let’s Get Into Shape!
April 13, 2022 (Pre-Recorded)
Link to pre-record PL session:
7th Grade

Session 1: Building Confidence with Positive & Negative Number Operations (Part 1)
November 10, 2021 (Pre-Recorded)
Link to pre-recorded PL session: [Watch Now]

Session 2: Building Confidence with Positive & Negative Number Operations (Part 2)
November 18, 2021 5:00-6:00 pm (Live)
Link to recorded PL session: [Watch Now]

Session 3: Building Confidence with Proportions (Part 1)
December 2, 2021 (Pre-Recorded)
Link to pre-recorded PL session: [Watch Now]

Session 4: Building Confidence with Proportions (Part 2)
December 16, 2021 5:00-6:00 pm (Live)
Link to recorded PL session: [Watch Now]

Session 5: Building Confidence with Equations & Inequalities (Part 1)
January 20, 2022 (Pre-Recorded)
Link to pre-recorded PL session: [Watch Now]

Session 6: Building Confidence with Equations & Inequalities (Part 2)
February 24, 2022 5:00-6:00 pm (Live)
Link to recorded PL session: [Watch Now]

Session 7: Building Confidence with Geometry & Probability (Part 1)
March 24, 2022 (Pre-Recorded)

Session 8: Building Confidence with Geometry & Probability (Part 2)
April 21, 2022 5:00-6:00 pm (Live)
Live session registration link: [LIVE]
Algebra: Concepts & Connections

Session 1: Modeling Linear Functions
November 17, 2021
4:00-5:00pm
(Live)
Link to recording of live session:
Watch Now

Session 2: Reasoning and Generating Linear Inequalities
December 1, 2021
4:00-5:00pm
(Live)
Link to recording of live session:
Watch Now

Session 3: Investigating Rational and Irrational Numbers
December 15, 2021
4:00-5:00pm
(Live)
Link to recording of live session:
Watch Now

Session 4: Modeling and Analyzing Quadratic Functions
January 5, 2022
4:00-5:00pm
(Live)
Link to recording of live session:
Watch Now

Session 5: Modeling and Analyzing Exponential Expressions and Equations
January 19, 2022
4:00-5:00pm
(Live)
Link to recording of live session:
Watch Now

Session 6: Exponential Functions
February 16, 2022
4:00-5:00pm
(Live)
Link to recording of live session:
Watch Now

Session 7: Investigating Data
March 16, 2022
4:00-5:00pm
(Live)
Link to recording of live session:
Watch Now

Session 8: Algebraic Connections to Geometric Concepts
April 20, 2022
4:00-5:00pm
(Live)
Link to live session registration link:
Geometry: Concepts & Connections

Session 1: Polynomial Expressions
November 11, 2021
5:00-6:00pm
(Live)

Session 2: Geometric Foundations, Constructions and Proof
November 18, 2021
5:00-6:00pm
(Live)

Session 3: Congruence
November 29, 2021
(Pre-Recorded)

Session 4: Similarity
December 7, 2021
5:00-6:00pm
(Live)

Session 5: Right Triangle Trigonometry
January 6, 2022
5:00-6:00pm
(Live)

Session 6: Circles
January 27, 2022
5:00-6:00pm
(Live)

Session 7: Equations and Measurement
February 24, 2022
5:00-6:00pm
(Live)

Session 8: Probability and Statistics
March 10, 2022
5:00-6:00pm
(Live)
Precalculus

**Session 1:**
Modeling with Rational and Piecewise Function
January 11, 2022 (Prerecorded)

**Session 2:**
Establishing the Unit Circle as a Course Foundation
January 18, 2022 (Prerecorded)

**Session 3:**
Modeling with Wave Functions
January 20, 2022 (Prerecorded)

**Session 4:**
Developing Trigonometric Identity Relationships
January 24, 2022 (Prerecorded)

**Session 5:**
Developing Polar Coordinates and Equations
January 25, 2022 5:00-6:00 pm (Live)

**Session 6:**
Modeling with Vectors and Parametric Equations
February 22, 2022 5:00-6:00 pm (Live)

**Session 7:**
Investigating Sequences and Series
March 22, 2022 5:00-6:00 pm (Live)

**Session 8:**
Examining Threads in the Course
April 12, 2022 5:00-6:00 pm (Live)
Mathematical Modeling Pathway

Session 1: The Significance of Mathematical Modeling
January 23, 2022
(Prerecorded)
Link to prerecorded PL session:

Session 2: Creating Relevant Tasks for Student Engagement
January 31, 2022
(Prerecorded)
Link to prerecorded PL session:

Session 3: Purposeful Use of Technology.
December 2, 2021
5:00-6:00 pm
(Live)
Live session registration link:

Session 4: Locating Sources for Mathematical Applications to Model.
December 14, 2021
5:00-6:00 pm
(Live)
Live session registration link:

Session 5: One Good Task: The Mathematics of Industry and Government.
January 19, 2022
(Prerecorded)
Link to prerecorded PL session:
Live session registration link:

February 17, 2022
5:00-6:00 pm
(Live)
Live session registration link:

March 24, 2022
(Prerecorded)
Link to prerecorded PL session:
Live session registration link:

Session 8: Success in the Mathematical Modeling Pathway - Now What?
April 22, 2022
5:00-6:00 pm
(Live)
Live session registration link:
## Advanced Statistics

### Session 1: Setting the Stage for AP Statistics
- **Date:** November 17, 2021
- **Time:** (Prerecorded)
- **Link to prerecorded PL session:** [Watch Now](#)

### Session 2: Statistical Reasoning Task Modeling – Chunking It!
- **Date:** November 29, 2021
- **Time:** (Prerecorded)
- **Link to prerecorded PL session:** [Watch Now](#)

### Session 3: Calibrating Expectations for FRQs and Utilizing Them for Formative Assessment
- **Date:** December 8, 2021
- **Time:** 5:00-6:00pm (Live)
- **Link to recording of live session:** [Watch Now](#)

### Session 4: Correlating Tasks with Statistical Reasoning Standards
- **Date:** December 14, 2021
- **Time:** 5:00-6:00pm (Live)
- **Link to recording of live session:** [Watch Now](#)

### Session 5: AP Statistics Preparing for the Exam
- **Date:** February 3, 2022
- **Time:** (Prerecorded)
- **Link to prerecorded PL session:** [Watch Now](#)

### Session 6: Statistical Reasoning Task Modeling
- **Date:** February 16, 2022
- **Time:** 5:00-6:00pm (Live)
- **Link to live session registration link:** [Watch Now](#)

### Session 7: Linear Algebra with Computer Science Applications Task 1
- **Date:** March 23, 2022
- **Time:** (Prerecorded)
- **Link to prerecorded PL session:** [Watch Now](#)

### Session 8: Linear Algebra with Computer Science Applications Task 2
- **Date:** April 20, 2022
- **Time:** 5:00-6:00pm (Live)
- **Link to live session registration link:** [Watch Now](#)
Mathematics Virtual Specialists
2021-2022

Algebra: Concepts & Connections
Virtual Specialist
Charlene Matthew

Geometry: Concepts & Connections
Virtual Specialist
Jernita Randolph

Advanced Algebra: Concepts & Connections
Virtual Specialist
Sheena Williams

Precalculus
Virtual Specialist
Julie Harrison

Mathematical Modeling Pathways
Virtual Specialist
Niyokia Phillips

Advanced Calculus
Virtual Specialist
Tamaiko Chappell

Advanced Statistics
Virtual Specialist
Kaycie Maddox