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

<table>
<thead>
<tr>
<th>Session 1: Understanding the 8 SMPs from a Kindergarten lens; Introduction to Effective Mathematics Teaching Practices</th>
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<tbody>
<tr>
<td>Release Date: December 10, 2020</td>
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<tr>
<td>Link to Pre-Recorded PL Session</td>
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<table>
<thead>
<tr>
<th>Session 2: Understanding Shapes and Levels of Geometric Thinking</th>
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<tr>
<td>Date: December 14, 2020 4:00 – 5:00 pm</td>
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<thead>
<tr>
<th>Session 3: Comparing Numbers</th>
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<thead>
<tr>
<th>Session 4: Investigating Addition and Subtraction &amp; CGI</th>
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<tr>
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<tr>
<td>Link to PL Session Recording</td>
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<thead>
<tr>
<th>Session 5: Further Investigation of Addition and Subtraction</th>
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<tr>
<td>Date: March 10, 2021 4:00 – 5:00 pm</td>
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<td>Link to PL Session Recording</td>
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<thead>
<tr>
<th>Session 6: Problems Worth Solving</th>
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<td>Date: March 25, 2021 4:00 – 5:00 pm</td>
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<tr>
<th>Session 7: Assessing Student Learning and Looking Ahead – Unit 1</th>
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<tr>
<td>Date: April 19, 2021 4:00 – 5:00 pm</td>
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<td>Link to Register for Live Session</td>
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<table>
<thead>
<tr>
<th>Session 8: Looking Ahead: Planning with Big Ideas – Unit 2</th>
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<tbody>
<tr>
<td>Date: May 3, 2021 4:00 – 5:00 pm</td>
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<tr>
<td>Link to Register for Live Session</td>
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<tr>
<td>LIVE</td>
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<tr>
<td>Session 1: Counting Collections and Choral Counting</td>
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<tr>
<td>Release Date: December 7, 2020</td>
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<tr>
<td>Link to Pre-Recorded PL Session</td>
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<tr>
<th>Session 3: Cognitively Guided Instruction/Word Problem Types</th>
<th>Session 4: Understanding Measurement—Length and Time</th>
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<tr>
<td>Date: January 11, 2021 3:00-4:00 pm</td>
<td>Release Date: February 11, 2021</td>
</tr>
<tr>
<td>Link to Pre-Recorded PL Session</td>
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<tr>
<th>Session 5: Developing Place Value Understanding</th>
<th>Session 6: Addition and Subtraction within 100</th>
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</thead>
<tbody>
<tr>
<td>Date: February 25, 2021 3:00-4:00 pm</td>
<td>Date: March 18, 2021 3:00-4:00 pm</td>
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<tr>
<td>Link to PL Session Recording</td>
<td>Link to PL Session Recording</td>
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<tr>
<th>Session 7: Understanding Shapes and Fractions</th>
<th>Session 8: Looking Ahead</th>
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<tbody>
<tr>
<td>Date: April 19, 2021</td>
<td>Date: May 6, 2021 3:00-4:00 pm</td>
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<tr>
<td>Link to Pre-Recorded PL Session</td>
<td>Link to Register for Live Session</td>
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3rd Grade

Session 1: Solving Two-Step Problems
Release Date: December 2020
Link to Pre-Recorded PL Session
Watch Now

Session 2: Identifying Arithmetic Patterns
Release Date: December 15, 2020
Link to Pre-Recorded PL Session
Watch Now

Session 3: Represent and Interpret Data: Graphs
Release Date: December 18, 2020
Link to Pre-Recorded PL Session
Watch Now

Session 4: Building Ideas in Geometry
Date: January 12, 2021 6:00-7:00 pm
Link to PL Session Recording
Watch Now

Session 5: Making Sense of Fractions
Date: February 9, 2021 6:00-7:00 pm
Link to PL Session Recording
Watch Now

Session 6: Working with Time
Date: March 9, 2021 6:00-7:00 pm
Link to PL Session Recording
Watch Now

Session 7: Multiplication and Division
Release Date: April 13, 2021
Link to Pre-Recorded PL Session
Watch Now

Session 8: Math Fluency
Date: May 3, 2021 6:00-7:00 pm
Link to Register for Live Session
Watch Now
5th Grade

Session 1:
Understanding the Grade Level Content Standards;
Unit 1: Developing Conceptual Understanding of Fractions
Release Date: December 7, 2020
Link to Pre-Recorded PL Session

Session 2:
Understanding the Grade Level Content Standards;
Unit 4: Multiplying/Dividing Fractions
Release Date: December 17, 2020
Link to Pre-Recorded PL Session

Session 3:
Understanding the Grade Level Content Standards;
Unit 5: 2-D Figures
Date: January 18, 2021
5:00 – 6:00 pm
Link to PL Session Recording

Session 4:
Understanding the Grade Level Content Standards;
Unit 6: Volume and Measurement
Date: February 8, 2021
5:00 – 6:00 pm
Link to Pre-Recorded PL Session

Session 5:
Understanding the Grade Level Content Standards;
Unit 7: Geometry and the Coordinate Plane
Release Date: February 22, 2021
Link to Pre-Recorded PL Session

Session 6:
Understanding the Grade Level Content Standards;
Unit 1: Order of Operations & Whole Numbers
Unit 2: Adding & Subtracting with Decimals
Date: March 22, 2021
5:00 – 6:00 pm
Link to PL Session Recording

Session 7:
Understanding the Grade Level Content Standards;
Unit 3: Multiplying & Dividing with Decimals
Date: May 10, 2021
5:00 – 6:00 pm
Link to Register for Live Session

Session 8:
Understanding the Grade Level Content Standards;
Unit 2: Adding & Subtracting with Decimals
Date: April 19, 2021
5:00 – 6:00 pm
Link to Register for Live Session

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6th Grade

**Session 1:** Understanding the 8 Standards for Mathematical Practice; Unit 3: Equivalent Expressions
Release Date: December 7, 2020
Link to Pre-Recorded PL Session
[Watch Now](#)

**Session 2:** Understanding the Grade Level Content Standards; Unit 4 One-Step Equations and Inequalities
Release Date: December 21, 2021
Link to Pre-Recorded PL Session
[Watch Now](#)

**Session 3:** Understanding the Grade Level Content Standards; Unit 5: Area and Volume
Release Date: January 4, 2021
[Watch PL Session Recording](#)

**Session 4:** Understanding the Grade Level Content Standards; Unit 6: Statistics
Date: January 25, 2021 6:00 – 7:00 pm
[Watch PL Session Recording](#)

**Session 5:** Understanding the Grade Level Content Standards; Unit 7 Rational Numbers and Their Opposites
Release Date: February 22, 2021
[Watch PL Session Recording](#)

**Session 6:** Understanding the Grade Level Content Standards; Unit 1: Dividing Fractions
Date: March 15, 2021 6:00 – 7:00 pm
[Watch PL Session Recording](#)

**Session 7:** Understanding the Grade Level Content Standards; Unit 2 Ratio and Proportions
Release Date: April 5, 2021
[Pre REC Session](#)

**Session 8:** Understanding the Grade Level Content Standards; Unit 2 Ratio and Proportions
Date: April 26, 2021 6:00 – 7:00 pm
[Register for Live Session](#)
7th Grade

Session 1: Strategies and Supports through Effective Mathematics Teaching Practices; Unit 3: Ratios and Proportions
Release Date: December 7, 2020

Session 2: Strategies and Supports through Effective Mathematics Teaching Practices; Unit 4: Geometry
Date: December 10, 2020 5:00 – 6:00 pm

Session 3: Strategies and Supports through Effective Mathematics Teaching Practices; Unit 5: Inferences
Release Date: January 8, 2021

Session 4: Strategies and Supports through Effective Mathematics Teaching Practices; Unit 6: Probability
Date: January 14, 2021 5:00 – 6:00 pm

Session 5: Strategies and Supports through Effective Mathematics Teaching Practices; Remediation and Culmination Activities
Release Date: February 19, 2021

Session 6: Strategies and Supports through Effective Mathematics Teaching Practices; Unit 1: Operations with Rational Numbers
Date: March 18, 2021 5:00 – 6:00 pm

Session 7: Strategies and Supports through Effective Mathematics Teaching Practices; Unit 2: Expressions and Equations
Release Date: April 2, 2021

Session 8: Applying Backwards Design to PLC’s - Effective Teams - Planning for student success through healthy PLCs
Date: April 15, 2021 5:00 – 6:00 pm
8th Grade

Session 1: Strategies and Supports through Effective Mathematics Teaching Practices; Unit 4: Functions
Release Date: December 7, 2020
Link to Pre-Recorded PL Session

Session 2: Strategies and Supports through Effective Mathematics Teaching Practices; Unit 5: Linear Functions
Release Date: December 11, 2020
Link to Pre-Recorded PL Session

Session 3: Strategies and Supports through Effective Mathematics Teaching Practices; Unit 6: Linear Models and Tables
Date: January 7, 2021
5:00 – 6:00 pm
Link to PL Session Recording

Session 4: Strategies and Supports through Effective Mathematics Teaching Practices; Unit 7: Solving Systems of Equations
Release Date: January 15, 2021
Link to Pre-Recorded PL Session

Session 5: Strategies and Supports through Effective Mathematics Teaching Practices; Unit 1: Transformations, Congruence and Similarity
Date: February 18, 2021
5:00 – 6:00 pm
Link to PL Session Recording

Session 6: Strategies and Supports through Effective Mathematics Teaching Practices; Unit 2: Exponents and Equations
Release Date: March 19, 2021
Link to Pre-Recorded PL Session

Session 7: Strategies and Supports through Effective Mathematics Teaching Practices; Unit 3: Geometric Applications of Exponents
Date: April 1, 2021
5:00 – 6:00 pm
Link to Register for Live Session

Session 8: Applying Backwards Design to PLC’s - Effective Teams - Planning for student success through healthy PLCs
Release Date: April 16, 2021
Link to Pre-Recorded PL Session
HS: Coordinate Algebra

Session 1: Making Connections (Unit 1; SMP 7)
Date: December 17, 2020 3:00 - 4:00 pm
Link to PL Session Recording
Watch Now

Session 2: Contemplate then Calculate (Units 2 and 3; SMP 7)
Date: January 8, 2021 3:00 - 4:00 pm
Link to PL Session Recording
Watch Now

Session 3: Using Tape Diagrams to Solve Word Problems
Release Date: February 2021
Link to PL Session Recording
Watch Now

Session 4: 3-Reads (Unit 4; SMP 1)
Release Date: February 22, 2021
Link to PL Session Recording
Watch Now

Session 5: Capturing Quantities (Unit 5; SMP 2)
Date: March 4, 2021 3:00 - 4:00 pm
Link to PL Session Recording
Watch Now

Session 6: Sharing Skepticism (Unit 6; SMP 3)
Date: March 23, 2021 3:00 - 4:00 pm
Link to PL Session Recording
Watch Now

Session 7: Decide and Defend (SMP 3)
Date: April 12, 2021 3:00 - 4:00 pm
Link to Register for Live Session

Session 8: Tape Diagrams for More Advanced Math Problems
Release Date: April 26, 2021
Link to Pre-Recorded PL Session
LIVE
Pre-Recorded Session
HS: Algebra I

Session 1: Unit 3: Write Quadratic Expressions in Equivalent Forms to Solve Problems
Release Date: December 18, 2020
Link to Pre-Recorded PL Session
Watch Now

Session 2: Unit 3: Analyze Quadratic Functions Using Different Representations
Release Date: December 28, 2020
Link to Pre-Recorded PL Session
Watch Now

Session 3: Unit 4: Modeling and Analyzing Exponential Functions
Release Date: January 15, 2021
Link to Pre-Recorded PL Session
Watch Now

Session 4: Unit 5: Construct and Compare Linear, Quadratic, and Exponential Models and Solve Problems
Release Date: February 5, 2021
Link to Pre-Recorded PL Session
Watch Now

Session 5: Unit 5: Interpret Expressions for Functions in Terms of the Situation They Model
Release Date: February 26, 2021
Link to Pre-Recorded PL Session
Watch Now

Session 6: Unit 6: Describing Data
Release Date: March 5, 2021
Link to Pre-Recorded PL Session
Watch Now

Session 7: Unit 1: Relationships Between Quantities and Expressions
Release Date: April 2, 2021
Link to Pre-Recorded PL Session
Watch Now

Session 8: Unit 2: Reasoning with Linear Equations
Release Date: April 16, 2021
Link to Pre-Recorded PL Session
Watch Now
HS: Analytic Geometry

Session 1:
Understanding the 8 Standards for Mathematical Practice
Release Date: December 2020
Link to Pre-Recorded Session
Watch Now

Session 2:
Unit 5: Which Comes First, the Graph or the Equation?
Release Date: December 28, 2020
Link to Pre-Recorded Session
Watch Now

Session 3:
Ambiguous Vocabulary
Release Date: January 14, 2021 4:30 – 5:30 pm
Link to PL Session Recording
Watch Now

Session 4:
Risk Taking that Fosters Growth for Teachers and Students
Date: February 9, 2021 5:00 - 6:00 pm
Link to PL Session Recording
Watch Now

Session 5:
Diving into Desmos – More than a Calculator
Date: March 11, 2020 5:00 -6:00 pm
Link to PL Session Recording
Watch Now

Session 6:
Unit 3: Using Metacognitive Notes
Date: April 1, 2021
Link to PL Session Recording
Watch Now

Session 7:
Right Triangle Trigonometry
Release Date: May 13, 2021
Link to Pre-Recorded PL Session

Session 8:
Data Driven Instruction and Recalibration
Release Date: May 13, 2021
Link to Pre-Recorded PL Session

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# HS: Advanced Algebra

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<th>Date (Session)</th>
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<td>Ambiguous Vocabulary</td>
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<td>Whiteboards for the 21st Century</td>
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<td>Calculator Choices to Promote Equity</td>
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<td>Risk Taking that Fosters Growth for Teachers and Students</td>
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<td>Diving into Desmos – More than a Calculator</td>
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<td>6</td>
<td>Formative Assessments for Hybrid Teaching</td>
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<td>7</td>
<td>Statistics for Life – Empower Students with Numbers</td>
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<td>8</td>
<td>Looking Ahead – Planning for New Beginnings</td>
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Mathematics Virtual Specialists 2020-2021

Kindergarten Virtual Specialist
Seyoung Holte

1st Grade Virtual Specialist
Ginny Baldwin

2nd Grade Virtual Specialist
Christy Sutton

3rd Grade Virtual Specialist
Vanessa Majdoub

4th Grade Virtual Specialist
Michelle Bellamy

5th Grade Virtual Specialist
Jennifer Han

6th Grade Virtual Specialist
Dr. Brian Lack

7th & 8th Grade Virtual Specialist
Kenneth Golden

Coordinate Algebra Virtual Specialist
Timesha Brooks

Algebra I Virtual Specialist
Archie Proveaux

Analytic Geometry Virtual Specialist
Jernita Randolph

Geometry Virtual Specialist
Charlene Matthew

Advanced Algebra/ Algebra II Virtual Specialist
Dr. Becky Gammill