VIRTUAL MATHEMATICS PROFESSIONAL LEARNING CATALOG 2020 - 2021

Georgia Department of Education
Mathematics Teaching and Learning

Click Here
Click on a grade level to find the virtual professional learning options offered by the Georgia Department of Education.
Session 1: Understanding the 8 SMPs from a Kindergarten lens; Introduction to Effective Mathematics Teaching Practices
Release Date: December 10, 2020
Link to Pre-Recorded PL Session
Watch Now

Session 2: Understanding Shapes and Levels of Geometric Thinking
Date: December 14, 2020 4:00 – 5:00 pm
Link to PL Session Recording
Watch Now

Session 3: Comparing Numbers
Release Date: January 6, 2021
Link to PL Session Recording
Watch Now

Session 4: Investigating Addition and Subtraction & CGI
Date: February 3, 2021 4:00 – 5:00 pm
Link to PL Session Recording
Watch Now

Session 5: Further Investigation of Addition and Subtraction
Date: March 10, 2021 4:00 – 5:00 pm
Link to PL Session Recording
Watch Now

Session 6: Problems Worth Solving
Date: March 25, 2021 4:00 – 5:00 pm
Link to PL Session Recording
Watch Now

Session 7: Assessing Student Learning and Looking Ahead – Unit 1
Date: April 19, 2021 4:00 – 5:00 pm
Link to PL Session Recording
Watch Now

Session 8: Looking Ahead: Planning with Big Ideas – Unit 2
Date: May 3, 2021 4:00 – 5:00 pm
Link to Register for Live Session
Watch Now
1st Grade

Session 1: Counting Collections and Choral Counting
Release Date: December 7, 2020
Link to Pre-Recorded PL Session
Watch Now

Session 2: Building Conceptual Understanding of Addition and Subtraction/Fluency within 20
Date: January 11, 2021 3:00-4:00 pm
Link to PL Session Recording
Watch Now

Session 3: Cognitively Guided Instruction/Word Problem Types
Date: February 11, 2021 3:00-4:00 pm
Link to Pre-Recorded PL Session
Watch Now

Session 4: Understanding Measurement—Length and Time
Release Date: February 25, 2021 3:00-4:00 pm
Link to PL Session Recording
Watch Now

Session 5: Developing Place Value Understanding
Date: March 18, 2021 3:00-4:00 pm
Link to PL Session Recording
Watch Now

Session 6: Addition and Subtraction within 100
Date: April 19, 2021 3:00-4:00 pm
Link to Pre-Recorded PL Session
Watch Now

Session 7: Understanding Shapes and Fractions
Release Date: May 6, 2021 3:00-4:00 pm
Link to Register for Live Session
Watch Now

Session 8: Looking Ahead
Date: May 6, 2021 3:00-4:00 pm
Link to Pre-Recorded PL Session
Watch Now

Richard Woods, Georgia’s School Superintendent | Georgia Department of Education | Educating Georgia’s Future
**2nd Grade**

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<thead>
<tr>
<th>Session 1: Understanding the 8 Standards for Mathematical Practice</th>
<th>Session 2: Reasoning and Problem Solving; Unit 3 Measurement</th>
<th>Session 3: Math Representation; Unit 3 Measurement</th>
<th>Session 4: Purposeful Questions; Numberless Word Problems Unit 4 Base 10 Understanding</th>
<th>Session 5: Procedural Fluency from Comprehension Unit 4 Base 10 Understanding</th>
<th>Session 6: Mathematics Discourse; Unit 5 Shapes</th>
<th>Session 7: Productive struggle; and 3-Act Tasks Unit 6 Developing Multiplication</th>
<th>Session 8: Evidence of Student Thinking; Looking Ahead</th>
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<tr>
<td>Release Date: December 7, 2020</td>
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<td>Date: January 19, 2021 5:00-6:00 PM</td>
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<td>Release Date: March 16, 2021</td>
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<td>Release Date: April 27, 2021</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

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4th Grade
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
Date: March 22, 2021
5:00 – 6:00 pm
Link to PL Session Recording

Session 7: Understanding the Grade Level Content Standards; Unit 2: Adding & Subtracting with Decimals
Release Date: April 19, 2021
Link to Pre-Recorded PL Session

Session 8: 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

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7th Grade

Session 1: Strategies and Supports through Effective Mathematics Teaching Practices; Unit 3: Ratios and Proportions
Release Date: December 7, 2020
Link to Pre-Recorded PL Session

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

Session 3: Strategies and Supports through Effective Mathematics Teaching Practices; Unit 5: Inferences
Release Date: January 8, 2021
Link to Pre-Recorded PL Session

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

Session 5: Strategies and Supports through Effective Mathematics Teaching Practices; Remediation and Culmination Activities
Release Date: February 19, 2021
Link to Pre-Recorded PL Session

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
Link to Pre-Recorded PL Session

Session 7: Strategies and Supports through Effective Mathematics Teaching Practices; Unit 2: Expressions and Equations
Release Date: April 2, 2021
Link to Pre-Recorded PL Session

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
Link to PL Session Recording
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 22, 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; SMP2)
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 PL Session Recording
Watch Now

Session 8: Tape Diagrams for More Advanced Math Problems
Release Date: April 26, 2021
Link to Pre-Recorded PL Session
Watch Now
HS: Analytic Geometry

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

Session 2: Unit 5: Which Comes First, the Graph or the Equation?
- Date: December 17, 2020 5:00 - 6:00 pm
- Link to PL Session Recording

Session 3: Ambiguous Vocabulary
- Release Date: December 28, 2020
- Link to Pre-Recorded Session

Session 4: Risk Taking that Fosters Growth for Teachers and Students
- Date: January 14, 2021 4:30 – 5:30 pm
- Link to Pre-Recorded Session

Session 5: Diving into Desmos – More than a Calculator
- Date: February 9, 2021 5:00 -6:00 pm
- Link to PL Session Recording

Session 6: Unit 3: Using Metacognitive Notes
- Date: March 11, 2020 5:00 -6:00 pm
- Link to PL Session Recording

Session 7: Right Triangle Trigonometry
- Release Date: April 1, 2021
- Link to PL Session Recording

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

## Session 1:
**Modeling Circumference of a Circle**
- **Date:** December 9, 2020 4:00 - 5:00 pm
- **Link to PL Session Recording**

## Session 2:
**Geometric and Algebraic Connections**
- **Date:** December 16, 2020 4:00 - 5:00 pm
- **Link to PL Session Recording**

## Session 3:
**Things to Consider as You Start the New Semester**
- **Release Date:** January 6, 2021 4:00 - 5:00 pm
- **Link to Pre-Recorded PL Session**

## Session 4:
**Transformations in the Coordinate Plane**
- **Date:** January 13, 2021 4:00 - 5:00 pm
- **Link to PL Session Recording**

## Session 5:
**Similarity, Congruence, and Proofs**
- **Date:** February 10, 2021 4:00 - 5:00 pm
- **Link to PL Session Recording**

## Session 6:
**Right Triangle Trigonometry**
- **Date:** March 10, 2021 4:00 - 5:00 pm
- **Link to PL Session Recording**

## Session 7:
**Applications of Probability**
- **Date:** April 14, 2021 4:00 - 5:00 pm
- **Link to PL Session Recording**

## Session 8:
**Reflections and Looking Ahead**
- **Release Date:** May 12, 2021
- **Link to Pre-Recorded PL Session**
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<th>Ambiguous Vocabulary</th>
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<th>Session 2:</th>
<th>Whiteboards for the 21st Century</th>
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<th>Session 3:</th>
<th>Calculator Choices to Promote Equity</th>
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<th>Session 5:</th>
<th>Diving into Desmos – More than a Calculator</th>
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<th>Session 6:</th>
<th>Formative Assessments for Hybrid Teaching</th>
<th>Date: March 10, 2021 4:00-5:00pm</th>
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<th>Statistics for Life – Empower Students with Numbers</th>
<th>Date: April 15, 2021 4:30–5:30pm</th>
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<th>Session 8:</th>
<th>Looking Ahead – Planning for New Beginnings</th>
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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