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.
Kindergarten

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 Pre-Recorded PL Session
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 Register for Live Session
LIVE

Session 6: Problems Worth Solving
Date: March 25, 2021 4:00 – 5:00 pm
Link to Register for Live Session
LIVE

Session 7: Assessing Student Learning and Looking Ahead – Unit 1
Date: April 19, 2021 4:00 – 5:00 pm
Link to Register for Live Session
LIVE

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
LIVE

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<table>
<thead>
<tr>
<th>Session 1:</th>
<th>Understanding the 8 Standards for Mathematical Practice</th>
</tr>
</thead>
<tbody>
<tr>
<td>Release Date:</td>
<td>December 7, 2020</td>
</tr>
<tr>
<td>Link to Pre-Recorded PL Session</td>
<td><a href="#">Watch Now</a></td>
</tr>
<tr>
<td>Date:</td>
<td>December 15, 2020 5:00-6:00 PM</td>
</tr>
<tr>
<td>Link to PL Session Recording</td>
<td><a href="#">Watch Now</a></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Session 2:</th>
<th>Reasoning and Problem Solving; Unit 3 Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date:</td>
<td>January 19, 2021 5:00-6:00 PM</td>
</tr>
<tr>
<td>Link to Pre-Recorded PL Session</td>
<td><a href="#">Watch Now</a></td>
</tr>
<tr>
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</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Session 3:</th>
<th>Math Representation; Unit 3 Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Release Date:</td>
<td>February 4, 2021</td>
</tr>
<tr>
<td>Link to Pre-Recorded PL Session</td>
<td><a href="#">Watch Now</a></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Session 4:</th>
<th>Purposeful Questions; Numberless Word Problems Unit 4 Base 10 Understanding</th>
</tr>
</thead>
<tbody>
<tr>
<td>Release Date:</td>
<td>March 16, 2021</td>
</tr>
<tr>
<td>Link to Pre-Recorded PL Session</td>
<td><a href="#">Watch Now</a></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Session 5:</th>
<th>Procedural Fluency from Comprehension Unit 4 Base 10 Understanding</th>
</tr>
</thead>
<tbody>
<tr>
<td>Release Date:</td>
<td>April 6, 2021</td>
</tr>
<tr>
<td>Link to Pre-Recorded PL Session</td>
<td><a href="#">Watch Now</a></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Session 6:</th>
<th>Mathematics Discourse; Unit 5 Shapes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Release Date:</td>
<td>April 27, 2021</td>
</tr>
<tr>
<td>Link to Pre-Recorded PL Session</td>
<td><a href="#">Watch Now</a></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Session 7:</th>
<th>Productive struggle; and 3-Act Tasks Unit 6 Developing Multiplication</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date:</td>
<td>May 11, 2021 5:00-6:00 PM</td>
</tr>
<tr>
<td>Link to Register for Live Session</td>
<td><a href="#">LIVE</a></td>
</tr>
</tbody>
</table>
3rd Grade

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

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

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

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

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

Session 6: Working with Time
Date: March 9, 2021
6:00-7:00 pm
Link to Register for Live Session

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

Session 8: Math Fluency
Date: May 3, 2021
6:00-7:00 pm
Link to Register for Live Session
## 4th Grade

<table>
<thead>
<tr>
<th>Session 1: Productive Struggle in Mathematics – Part 1; Unit 3: Fraction Equivalents</th>
</tr>
</thead>
<tbody>
<tr>
<td>Release Date: December 7, 2020</td>
</tr>
<tr>
<td>Link to Pre-Recorded PL Session</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Session 2: Productive Struggle in Mathematics – Part 2; Unit 4: Operations with Fractions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date: December 16, 2020 5:30 – 6:30 pm</td>
</tr>
<tr>
<td>Link to PL Session Recording</td>
</tr>
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<table>
<thead>
<tr>
<th>Session 3: Purposeful Questions; Unit 5: Fractions and Decimals</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date: January 13, 2021 5:30 – 6:30 pm</td>
</tr>
<tr>
<td>Link to PL Session Recording</td>
</tr>
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<table>
<thead>
<tr>
<th>Session 4: Facilitating Mathematical Discourse; Unit 6: Geometry</th>
</tr>
</thead>
<tbody>
<tr>
<td>Release Date: January 25, 2021</td>
</tr>
<tr>
<td>Link to Pre-Recorded PL Session</td>
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</tbody>
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<thead>
<tr>
<th>Session 5: Mathematical Representations; Measurement – Part 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date: February 15, 2021 5:30 – 6:30 pm</td>
</tr>
<tr>
<td>Link to Register for Live Session</td>
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<thead>
<tr>
<th>Session 6: Elicit and Use Evidence of Student Thinking; Measurement - Part 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date: March 17, 2021 5:30 – 6:30 pm</td>
</tr>
<tr>
<td>Link to Register for Live Session</td>
</tr>
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</table>

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<thead>
<tr>
<th>Session 7: Establishing a Mathematics Goal; Getting Ready for Unit 1 (BOY) Place Value/Rounding</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date: April 14, 2021 5:30 – 6:30 pm</td>
</tr>
<tr>
<td>Link to Register for Live Session</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>Session 8: Conceptual Understanding; Getting Ready for Unit 2 (BOY) Multiplication/Division</th>
</tr>
</thead>
<tbody>
<tr>
<td>Release Date: May 5, 2021</td>
</tr>
<tr>
<td>Link to Pre-Recorded PL Session</td>
</tr>
</tbody>
</table>
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 Register for Live Session

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 Decimals
Unit 3: Multiplying & Dividing Decimals
Date: May 10, 2021 5:00 – 6:00 pm
Link to Register for Live Session
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
Link to Pre-Recorded PL Session
Watch Now

Session 4:
Understanding the Grade Level Content Standards;
Unit 6: Statistics
Date: January 25, 2021
6:00 – 7:00 pm
Link PL Session Recording

Session 5:
Understanding the Grade Level Content Standards;
Unit 7 Rational Numbers and Their Opposites
Release Date: February 22, 2021
Link to Pre-Recorded PL Session

Session 6:
Understanding the Grade Level Content Standards;
Unit 1: Dividing Fractions
Date: March 15, 2021
6:00 – 7:00 pm
Link to Register for Live Session

Session 7:
Understanding the Grade Level Content Standards;
Unit 1: Division and Number Theory
Release Date: April 5, 2021
Link to Pre-Recorded PL Session

Session 8:
Understanding the Grade Level Content Standards;
Unit 2 Ratio and Proportions
Date: April 26, 2021
6:00 – 7:00 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
Link to PL Session Recording

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
Link to PL Session Recording

Session 3: Strategies and Supports through Effective Mathematics Teaching Practices; Unit 5: Inferences
Release Date: January 8, 2021
Date: January 14, 2021
5:00 – 6:00 pm
Link to Pre-Recorded PL Session
Link to PL Session Recording

Session 4: Strategies and Supports through Effective Mathematics Teaching Practices; Unit 6: Probability
Release Date: February 19, 2021
Date: March 18, 2021
5:00 – 6:00 pm
Link to Register for Live Session

Session 5: Strategies and Supports through Effective Mathematics Teaching Practices; Remediation and Culmination Activities
Release Date: April 2, 2021
Date: April 15, 2021
5:00 – 6:00 pm
Link to Pre-Recorded PL Session
Link to Register for Live Session

Session 6: Strategies and Supports through Effective Mathematics Teaching Practices; Unit 1: Operations with Rational Numbers
Link to Register for Live Session

Session 7: Strategies and Supports through Effective Mathematics Teaching Practices; Unit 2: Expressions and Equations
Release Date: April 2, 2021
Date: April 15, 2021
5:00 – 6:00 pm
Link to Pre-Recorded PL Session
Link to Register for Live Session

Session 8: Applying Backwards Design to PLCs - Effective Teams - Planning for student success through healthy PLCs
Date: April 15, 2021
5:00 – 6:00 pm
Link to Register for Live Session
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 Register for Live Session

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 Pre-Recorded PL Session
Pre REC Session

Session 4: 3-Reads (Unit 4: SMP 1)
Release Date: February 22, 2021
Link to Pre-Recorded PL Session
Pre REC Session

Session 5: Capturing Quantities (Unit 5; SMP2)
Date: March 4, 2021 3:00 - 4:00 pm
Link to Register for Live Session
LIVE

Session 6: Sharing Skepticism (Unit 6; SMP 3)
Date: March 23, 2021 3:00 - 4:00 pm
Link to Register for Live Session
LIVE

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

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

Session 1: Ambiguous Vocabulary
Release Date: December 2020
Link to Pre-Recorded Session
Watch Now

Session 2: Whiteboards for the 21st Century
Release Date: December 16, 2020
Link to Pre-Recorded Session
Watch Now

Session 3: Calculator Choices to Promote Equity
Release Date: December 18, 2020
Link to Pre-Recorded Session
Watch Now

Session 4: Risk Taking that Fosters Growth for Teachers and Students
Date: January 14, 2021
4:30 – 5:30 pm
Link to PL Session Recording
Watch Now

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

Session 6: Formative Assessments for Hybrid Teaching
Date: March 10, 2021
4:00–5:00pm
Link to Register for Live Session
LIVE

Session 7: Statistics for Life – Empower Students with Numbers
Date: April 15, 2021
4:30–5:30pm
Link to Register for Live Session
LIVE

Session 8: Looking Ahead – Planning for New Beginnings
Release Date: April 30, 2021
Link to Pre-Recorded Session
Pre REC Session
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