



Georgia Department of Education

Richard Woods, Georgia's School Superintendent
"Educating Georgia's Future"

MATHEMATICS

The Georgia Standards of Excellence (GSE) are the current set of adopted standards for mathematics. The GSE for Mathematics were approved in January 2015 following a yearlong review process with opportunities for all stakeholder groups to provide input. The results of stakeholder comments directed the actions of a working committee of dedicated mathematics educators to revise, add, move, and delete standards. The rigor and relevance, as well as the balance of skills, concepts, and problem solving, necessary for success in college, career, and life are evident. After 5 years of implementation, the GSE mathematics standards will be reviewed this academic year for further enhancements. We encourage all districts and schools to engage in the process.

MATHEMATICS PROGRAM HIGHLIGHTS

- GSE Mathematics teacher resources and ongoing professional learning are available to support mathematics teaching and learning in Georgia. Standards, Comprehensive Course Overviews, Curriculum Frameworks and Tasks, Parent Letters, and videos are provided to help teachers with their implementation of GSE mathematics. These resources are housed in the Teacher Resource Link (TRL) on SLDS and on the Georgia Standards website (<https://www.georgiastandards.org/Georgia-Standards/Pages/Math.aspx>); GSE Administrator, Counselor, and Parent resources are also available at the GaDOE Mathematics Program Page: <http://www.gadoe.org/mathematics>
- Grade level flyers have been created to provide quick access to resources for teachers.
- The partnership with the Regional Educational Laboratory (REL-SE) has provided state-wide professional learning for teachers and leaders. REL-SE will host a mathematics professional learning event for Georgia educators focused on best practices in mathematics teaching and learning on March 12, 2020.
- The Georgia Numeracy Project is a free numeracy intervention resources provided to all schools and districts by the Georgia Department of Education. For more professional learning opportunities on this resource, the school or district should contact their local RESA.
- There will be regional trainings on the Numeracy Project hosted at each local RESA throughout August, September and October. The GADOE Mathematics Team will join the regional mathematics mentor to facilitate this engaging professional learning for teachers and teacher leaders.
- There are newly released K-5 Mathematics Professional Learning Modules available through SLDS PLO
- The mathematics team is excited to welcome Jenise Sexton, the newest member of the team, who will focus on providing resources for content integration and specially designed instruction in mathematics.
- The list of state-approved mathematics courses has been updated. Local school districts should update their course list based on the changes made to the state approved list.
- The Georgia Department of Education is pleased to provide a new podcast series titled [Georgia MathTalks](#) to empower Georgia educators to promote mathematical literacy and ensure equity in mathematics education for all students.
- The Mathematics Video Project has resulted in the production of 120+ on-demand, classroom instructional videos that help teachers understand the intent and rigor of the Georgia Standards of Excellence. These videos also address the GSE standards educators identified as challenging to interpret and/or deliver to students in a 2016 statewide survey. Since implementation, 88,757+ unique users have visited the videos since their release in 2016. The standards videos can be found on the Mathematics GSO page (<https://www.georgiastandards.org/Georgia-Standards/Pages/Math.aspx>).
- Ongoing professional learning opportunities are offered for Georgia mathematics educators, school/district/region/state leaders, parents, and community stakeholders.

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Elementary Mathematics



K-5th

Resources

Elementary Curriculum Frameworks (curriculum maps, curriculum course overviews, and curriculum units) - <https://www.georgiastandards.org/Georgia-Standards/Pages/Math-K-5.aspx>

Professional learning videos that show evidence-based instructional practices in mathematics teaching and learning:

- Kindergarten Classroom Videos: <https://bit.ly/2MzcoVS>
- 1st Grade Classroom Videos: <https://bit.ly/2XEOv4i>
- 2nd Grade Classroom Videos: <https://bit.ly/2IRO4IE>
- 3rd Grade Classroom Videos: <https://bit.ly/2FHrZoe>
- 4th Grade Classroom Videos: <https://bit.ly/25KWZSS>
- 5th Grade Classroom Videos: <https://bit.ly/2XXDqOci>



Georgia Numeracy Project Intervention Support Materials - <https://www.georgiastandards.org/Georgia-Standards/Documents/Georgia-Numeracy-Project-Overview.pdf>

Virtual Professional Learning Community - <https://www.edweb.net/georgiamathematicsK-5>

GaDOE Mathematics Curriculum Webpage - www.gadoe.org/mathematics



Curriculum resources for Elementary School Mathematics are in the Teacher Resource Link in SLDS and on the K-5 Mathematics page of GeorgiaStandards.org.

Middle School Mathematics



6th-8th

Resources



Curriculum resources for Middle School Mathematics are in the Teacher Resource Link in SLDS and on the 6-8 Mathematics page of GeorgiaStandards.org.

6th, 7th, and 8th Grade Curriculum Frameworks (curriculum maps, curriculum course overviews, and curriculum units) - <https://www.georgiastandards.org/Georgia-Standards/Pages/Math-6-8.aspx>

Professional learning videos that show best practices in teaching and learning in 6th Grade classrooms - <https://bit.ly/2ybkzce>

Professional learning videos that show best practices in teaching and learning in 7th grade classrooms - <https://bit.ly/2OJ6nqk>

Professional learning videos that show best practices in teaching and learning in 8th grade classrooms - <https://bit.ly/2pOXVtX>

6th, 7th, and 8th grade support materials for remediation - <https://www.georgiastandards.org/Georgia-Standards/Pages/Math-6-8.aspx>

Virtual Professional Learning Community - <https://www.edweb.net/georgiamathematics6-8>



High School Mathematics



9th-12th

Resources



Curriculum resources for High School Mathematics are in the Teacher Resource Link in SLDS and on the 9-12 Mathematics page of GeorgiaStandards.org.

High School Courses Curriculum Frameworks (curriculum maps, curriculum course overviews, and curriculum units) - <https://www.georgiastandards.org/Georgia-Standards/Pages/Math-9-12.aspx>

Professional learning videos that show best practices in teaching and learning in High School classrooms - <https://bit.ly/2EPdnij>

Professional learning videos that show best practices in teaching and learning of Algebra standards - <https://bit.ly/2H3oXRA>

Professional learning videos that show best practices in teaching and learning of Geometry standards - <https://bit.ly/2HfbkVP>

Foundations of Algebra support materials - <https://www.georgiastandards.org/Georgia-Standards/Pages/Math-9-12.aspx>

Virtual Professional Learning Community - <https://www.edweb.net/georgiamathematicsHS>

