SΛVVΔS

Program Overview

Algebra 1, Geometry, & Algebra 2



Kids See the Math. Teachers See Results.

envision A Georgia

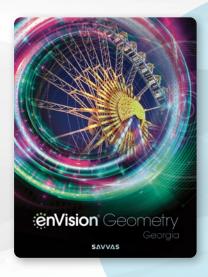


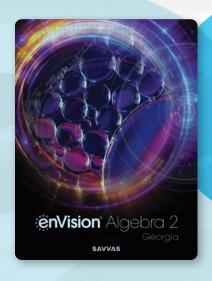
Developed just for you, the new *enVision® A|G|A Georgia* © 2024 helps you teach with confidence and engage your students.

Kids See the Math. Teachers See Results.

Made for Blended, Print, or Digital Delivery









Student Centered

ALL students are invited to engage in meaningful mathematics.

2

Intentionally Designed

The pedagogical approach and flexible resources necessary to support in-person and digital learning.

3

Informed Instruction

Identify, adapt, and share with built-in program teacher support.

However you want to teach, enVision® A|G|A Georgia has you covered. The program is designed to grow with you and can be taught completely digitally, in print, or anywhere in between.

Georgia Print and Online Resources!



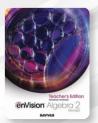
Georgia Student Edition

Includes all instructional content.

Available digitally with the

Student Companion at point of use
through the Realize Reader™.

Available in Spanish for Algebra 1.



Georgia Teacher's Edition Program Overview

It's a user guide and professional learning resource in one! Explore pacing, lessons, differentiated instruction, components, and program implementation guidance.



Georgia Student Companion

The two-color consumable student worktext offers exercises, activities, and practice and problem solving that can be used by students for in-class note-taking or work at home.

Available in Spanish for Algebra 1.



Teacher's Edition

Topics and lessons include all support for teaching the program in print or digitally.

Georgia Online Resources

Georgia Teacher Resource Masters

are editable and will support vocabulary, remediation, additional practice, enrichment, graphing calculator activities, assessments, and more!

Robust suite of digital math tools powered by Desmos™
Calculator include a graphing calculator, scientific calculator, and geometry tools available online and offline.

Ready-to-go, easily customizable auto-scored MathXL® for School from Pearson assignments provide for daily practice, mixed review, remediation, additional practice, and enrichment.

Classroom Videos show a classroom in action. Interviews with the teacher cover planning and reflection.

Skills Review & Practice two-page skills-based scaffolded instruction can be used as intervention, practice, and/or review of critical prerequisite concepts and skills. Over 300 available!

Interactive digital lessons can be easily customized and easily projected.

Savvy™ Adaptive Practice automatically adjusts to student performance and intervenes with instructional support as needed.

Technology-enhanced items throughout the program prepare for the EOC, ACT® and SAT®.

Ready-made, auto-graded assessments provide auto-assigned remediation.

Wealth of reporting options include Mastery, Progress, and Usage.

Additional Examples are available for students in need of more instruction.

Enrichment Examples enhance student understanding of lesson concepts and applications in Algebra 2.

Mathematical Modeling in 3 Acts lesson videos accompany Mathematical Modeling in 3 Acts lessons

enVision® STEM Projects include videos and blackline masters.

Answers and Solutions software application provides answers and solutions to textbook problems.

ExamView® test generator software includes test banks with thousands of additional questions.

Editable Lesson Plans are available for every lesson.

Author Professional Learning videos offer practical tips on implementing the program in a high school math classroom.

See What They Can Do

Mathematical thinking and reasoning is an integral part of developing conceptual understanding. Mathematical Modeling in 3 Acts builds students' confidence to think mathematically and solve problems on their own.

Mathematical Modeling in 3 Acts

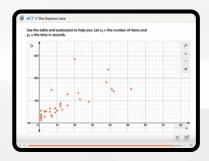
Students are encouraged to be problem posers and problem solvers. Engaging videos are available on SavvasRealize.com.

ACT 1: THE HOOK



A video or photo hooks students with the task and provokes questions.

ACT 2: THE MODEL



Students develop mathematical models to arrive at a solution that makes sense to them.

ACT 3: THE RESOLUTION



Visuals help students explain differences between their own conjectures and a possible solution.





Launch Mathematical Modeling in 3 Acts videos from the student page with embedded QR codes.



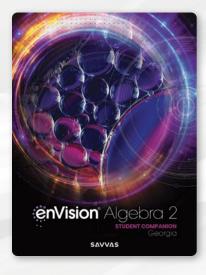
Focus on Mathematical Modeling

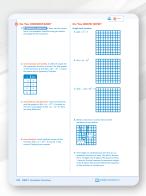
- Mathematical Modeling in 3 Acts Preview poses mathematical questions and generates interest.
- Mathematical Modeling in 3 Acts Student Pages organize students' thinking to actively develop a model.

Prepare Students for Success

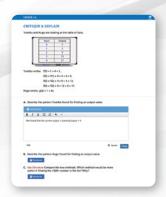
Flexible student learning materials ensure that no matter the delivery, enVision® A|G|A Georgia will meet each student's needs. Students will build success and college preparedness with engaging and meaningful math.

Georgia Student Companion





A write-in Student Companion actively engages students during class and at home.



The Realize Reader™ Interactive Student Edition includes dynamic instructional content available for offline or online use.

Encourage Personal Connections

Foster an environment to promote learning and growing together with the kind of meaningful topics that activate today's students.



enVision® **STEM Projects** Encourage all students to apply mathematics to real-world contexts and make cross-discipline connections. The projects fuel discussions, group work, and inclusive STEM practices for all learners.

Varied Contexts Opportunities to reflect students' lives and experiences are embedded throughout problem-based learning, examples, and exercises. Students encounter problems involving real-world scenarios as they are invited to share their own unique experiences.

Cultivate a Community of Growth Mindset Learners

Engaging prompts in the Teacher's Edition support students learning together and having a growth mindset.

I Can See Clearly Now!

Starting on a firm foundation of conceptual understanding, students can connect and apply math ideas in amazing ways.

A simple lesson design provides a clear, intentional pathway.



STEP 1: EXPLORE

Lesson-opening explorations foster the development of conceptual understanding through a problem-solving experience.

Explore & Reason

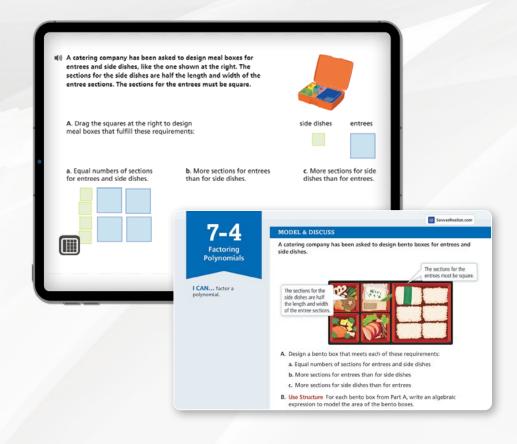
Students explore a mathematical concept and use reasoning to draw conclusions.

Model & Discuss

Students develop proficiency with the full modeling cycle by focusing deeply on aspects of the modeling cycle.

Critique & Explain

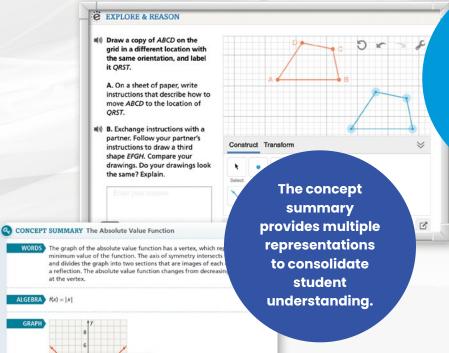
Students are required to construct mathematical arguments. They may also be asked to evaluate examples of mathematical reasoning and correct the reasoning if necessary.



STEP 2: UNDERSTAND & APPLY

enVision® A/G/A Georgia helps you teach mathematics through problem solving. Multiple examples support a balanced pedagogy: Conceptual Understanding, Proof, Skill, and Application.





Embedded digital interactives powered by the **Desmos[™] Calculator** help students make graphical, numerical, and algebraic connections.

Increasing Coherence Using Plus(+) Standards

All Plus(+) Standards are addressed in enVision A|G|A. These advanced concepts are embedded in lessons throughout the program where appropriate.

Conceptual Understanding

The range is $\{y \mid y \ge 0\}$.

The domain is $\{x \mid x \text{ is a real number}\}$

The vertex is at (0, 0).

examples are designed to help students focus deeply on mathematical understanding of lesson content.

Proof examples require students to build, justify, and analyze formal and informal proofs in enVision Geometry.

Skill examples help students build fluency with the lesson content.

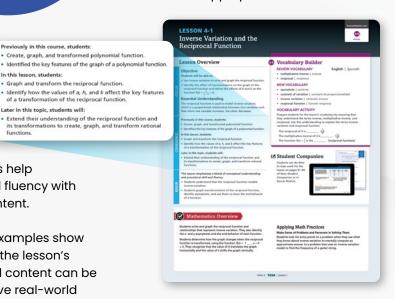
reviously in this course, students Create, graph, and transformed poly

Graph and transform the reciprocal function

of a transformation of the reciprocal function Later in this topic, students will:

In this lesson, students:

Application examples show students how the lesson's mathematical content can be applied to solve real-world problems.



INTENTIONALLY DESIGNED

Practice with a Purpose

Personalized and adaptive learning encourages students to build their mathematical understanding and demonstrate proficiency.

Step 3: Practice & Problem Solving

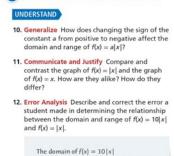
enVision® A/G/A features a uniquely balanced exercise set. Meet the rigor of standards with assessment practice in every lesson.

Understand

Develops conceptual understanding of lesson content by having students explain their reasoning, construct arguments, and analyze errors.

Apply •

Requires students to apply math to solve real-world problems.



PRACTICE & PROBLEM SOLVING

The domain of f(x) = 10 |x| is the same as the domain of f(x) = |x|. The range of f(x) = 10 |x| is 10 times the range of f(x) = |x|.

13. Higher Order Thinking For which values of a would the graph of f(x) = a|x| form a right

PRACTICE

Tell whether each point is on the graph of f(x) = |x|. If it is, give the coordinates of another point with the same y value. SEE EXAMPLE 1

16. (11, 11) 17. (-2.3, -2.3) 18. (0, 1) 19. (15, -15)

Describe the key features of each absolute value function. Identify the vertex, axis of symmetry, and the domain and range. SEE EXAMPLES 1 AND 2

Graph each function. What is the domain and range of each function? Describe the intervals over which each function is positive and over which it is negative. SEE EXAMPLE 2

22. $g(x) = -\frac{1}{2}|x|$ **23.** h(x) = 3.5|x|

 $d(x) = \frac{1}{3} |x|$

arity walk. The graph



e rate of change over



7 ≤ *t* ≤ 10

Assessment Practice

Practice

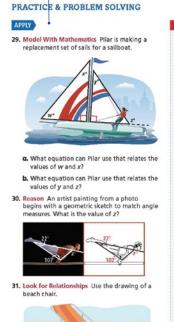
fluency with

lesson content.

Builds procedural

Every lesson includes:

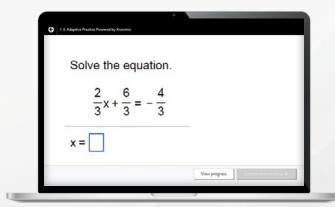
- Assessment Practice
- ACT°/SAT°
 Practice
- Performance
 Task



a. What is the value of x?



32. What are the values of x, y, and z?



Savvy™ Adaptive Practice

- Personalized practice in real time focuses on key concepts for each lesson.
- A brand new, transparent engine informs students when and why they are receiving specific practice items or instructional support resources.
- Students dial back into prerequisite concepts or accelerate forward as they practice.



Step 4: Assess & Differentiate

Ensure content mastery through multiple daily formative assessments. The differentiation library has print and digital resources to meet the needs of a wide range of learners.

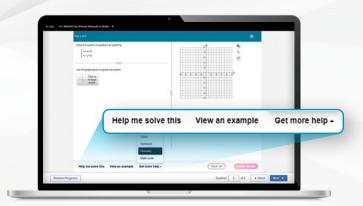
Virtual Nerd® Tutorial Videos

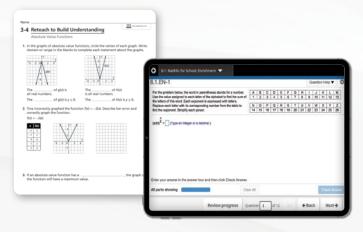
- Tutorial videos are provided for every lesson in the program.
- Three different viewing windows let students review math concepts in the visual way that best helps them learn.
- Students can easily drill down to another video to review prerequisite content.
- · Available with Spanish closed captioning!

Robust Practice Powered by MathXL° for School from Pearson

Embedded MathXL* for School in Savvas Realize™ provides a seamless experience for students and teachers with instant feedback, powerful interactive learning aids, and auto-graded assignments on ONE platform.

- · Daily homework and practice
- Mixed review
- Differentiated Learning for remediation, additional practice, and enrichment









Launch Virtual Nerd videos from the student page with embedded QR codes.

Focus on Each Learner

Differentiation options for each lesson and every standard encourage and challenge students of all learning levels.

enVision® A|G|A Georgia provides both a fully adaptive system for Response to Intervention and a library of resources to support a wide range of students.

Give all students what they need for success.

Each lesson includes:

Reteach to Build Understanding

Guided reteaching offers a fresh approach. Stepped-out, scaffolded support solidifies understanding.

Enrichment

Higher-order thinking activities help students develop deeper understandings.

Additional Practice

More practice for each lesson.

Mathematical Literacy & Vocabulary

Scaffolded support helps students build vocabulary.

Virtual Nerd Videos

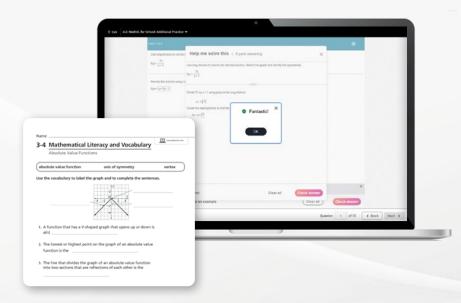
Tutorials are available for every lesson.

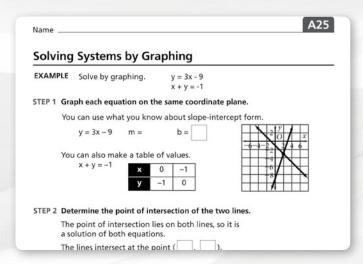


Available as an editable worksheet.



Available as a MathXL® for School digital assignment.





Skills Review & Practice

Scaffolded instruction can be used for intervention, practice, and/or review of critical prerequisite concepts and skills.

Additional Examples

- Additional explicit instruction assists teachers in meeting their classroom needs.
- The "Try Another" feature, which algorithmically generates new problem statements, allows for endless classroom instruction and practice opportunities.

Enrichment Examples

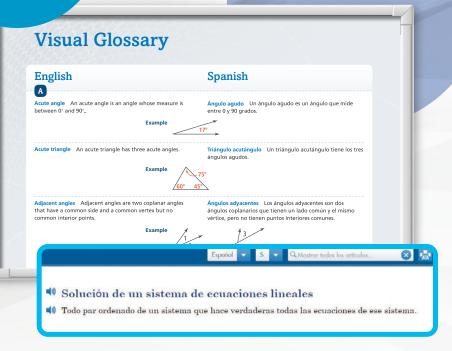
Extend the learning to enhance Algebra 2 students' understanding and application of lesson concepts.

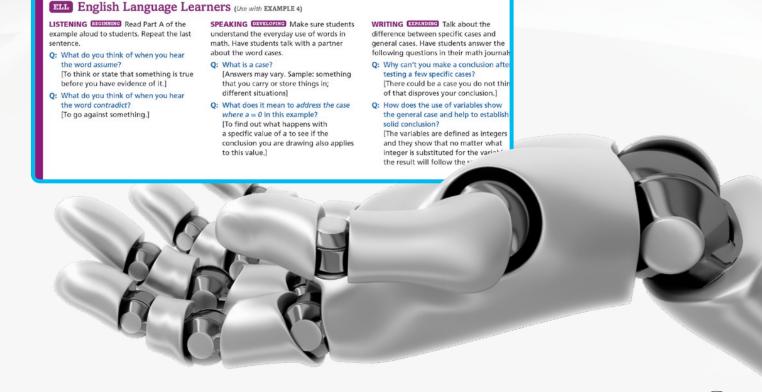
A Complete
Library of
Resources for
English Language
Learner
Support

English Language Learner Support

A complete library of resources supports English language learners:

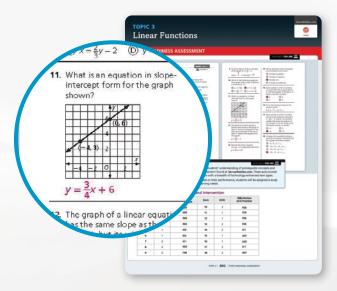
- ELL instruction aligned to WIDA specifications in every lesson
- Spanish closed captioning for video tutorials
- Spanish text and audio for Algebra 1 problem statements
- English/Spanish Glossary
- Multilingual Handbook

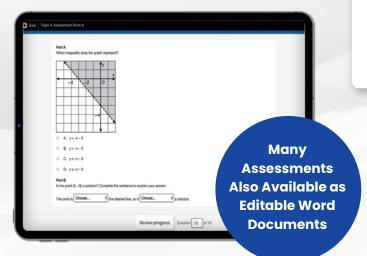




Assess to Differentiate

The *enVision® A|G|A Georgia* Assessment Suite offers options to move students toward content mastery while driving instructional differentiation.





Diagnostic Assessment

- Course Readiness Assessment (Print/Online)
- Topic Readiness Assessments (Print/Online)

Do You KNOW HOW?

Find the domain and range of each function.

5. g(x) = 5|x|

6. h(x) = -2|x|

Graph each function.

7. g(x) = 1.5|x|

8. h(x) = -0.8|x|

9. What is the rate of change over the interval $15 \le x \le 18$?

Do You UNDERSTAND?

- 1. **PESSENTIAL QUESTION** What are the key features of the graph of the absolute value function?
- 2. Communicate and Justify How do the domain and range of g(x) = a|x| compare to the domain and range of f(x) = |x| when 0 < a < 1? Explain.
- 3. Analyze and Persevere The graph of the

Summative Assessment

- Topic Assessments (Print/Online)
- Topic Performance Assessments (Print/Online)
- · ExamView® Test Bank Online
- Cumulative Assessments (Print/Online)
- End-of-Course Practice Tests (Print/Online)
- Build Your Own Custom Assessment (Online)

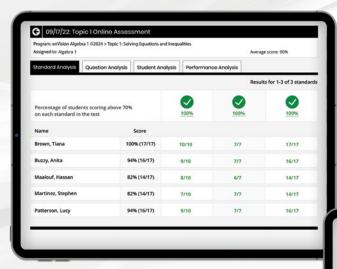
Formative Assessment

- Common Errors (Print/Online)
- Thinking and Reasoning Questions (Print/Online)
- Try Its! (Print/Online)
- Do You Understand? (Print/Online)
- Do You Know How? (Print/Online)
- · Lesson Quiz (Print/Online)

Gain Meaningful Insight

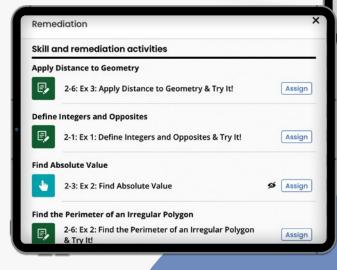
A variety of auto-generated reports show standards mastery on assessments, overall progress, and usage data. It's all on SavvasRealize.com.

Data reports help drive differentiation.



Standards-Aligned Resources

Individual student's mastery or classwide mastery for each standard are linked to resources that can be immediately assigned.

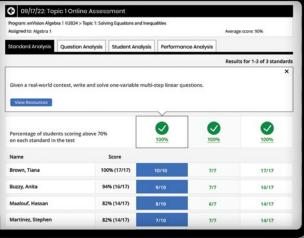


Data Overview

Reports including scores, progress, and usage are provided in an easy-to-view format.

Standard Analysis

In-depth information is provided about standards coverage and mastery for an assignment.



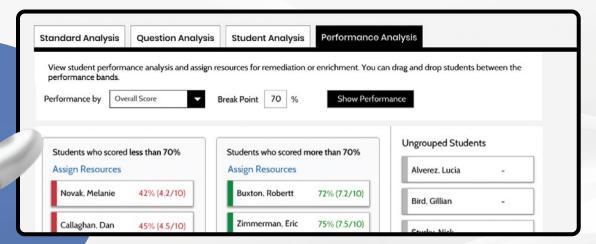
Auto-Assign Differentiation

Differentiation is based on results of the online Lesson Quiz, Topic Readiness Assessment, Topic Assessment, and Cumulative/Benchmark Assessment.

INTENTIONALLY DESIGNED

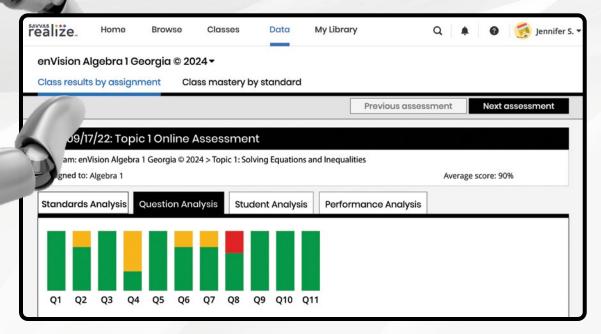
Real-Time Data Reports

Address individual learning needs quickly with real-time data reports. **Savvy** Adaptive **Practice** drives daily instructional decisions with a student summary including skills identified as proficient, those needing review, prerequisite skills that were revisited, and those that were not practiced.



Performance Analysis

Easily group students based on their performance on an assessment and assign targeted resources.



Question Analysis

View individual test items across the class to gauge difficulty and make informed decisions.

See the Big Picture

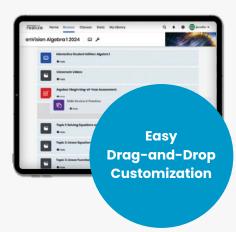
Gain a new perspective on your teaching with embedded strategies, methods, and a wide range of professional learning opportunities.

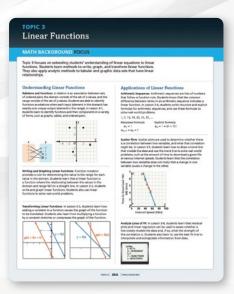
Every math teacher is a master teacher.

Make every lesson perfect

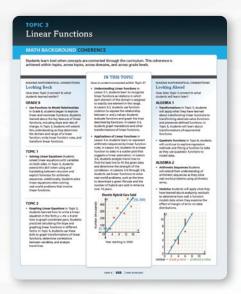
for you. Access all digital content, assessments, and management tools at SavvasRealize.com.

- · Search by keyword or standard
- Add Open Educational Resources
- · Create lesson playlists
- · Customize lessons
- · Reorder lessons and Topics
- · Align to your district framework
- Assign to Google Classroom™
- · Upload your own content
- · Use online discussion boards
- Integrate with Canvas[®] and Schoology[®]
- Integrate Microsoft® OneDrive®









Ideas, Inspiration, and Teaching Methods

Math background for every Topic and lesson serves as an easy-to-access math methods course.

Classroom Videos

show a classroom in action. Interviews with the teacher cover planning and reflection.

INFORMED INSTRUCTION



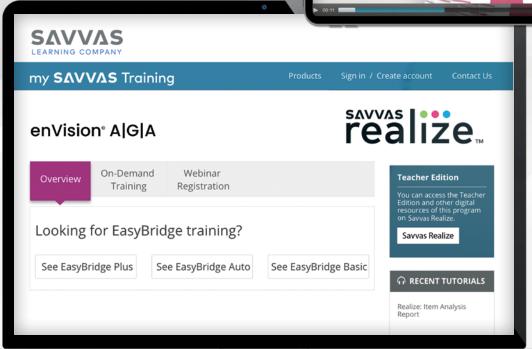
Professional Learning Videos on SavvasRealize.com give important perspectives on math concepts and show the program in action.

MySavvasTraining.com features many online tutorials and quick-start guides for *enVision® A|G|A*. Available 24/7!

Research-Based Practices

The enVision A|G|A Teacher's Edition features embedded professional learning. Effective Teaching Practices (ETP) are based on NCTM's Principles to Action.





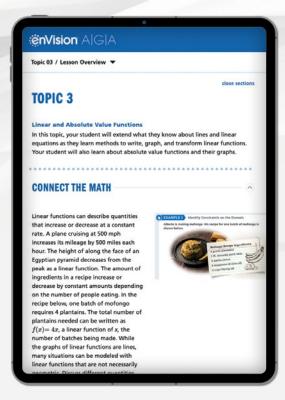
It Takes a Village

Students only grow stronger with an empowered collaborative community to support their learning. Family Engagement materials provide teachers with easy-to-share tools that inform students' support networks.

Family Engagement Letter

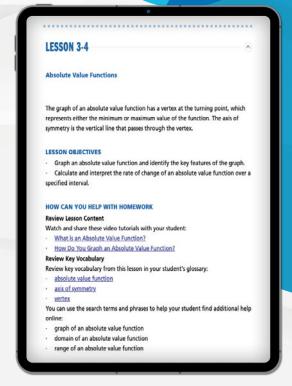
Families are provided with an overview of the Family Engagement resources available on SavvasRealize.com.





Topic Support

The Topic Overview gives families a preview of upcoming content with visuals to support understanding.

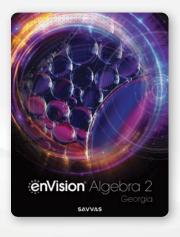


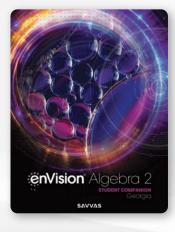
Lesson-Level Support

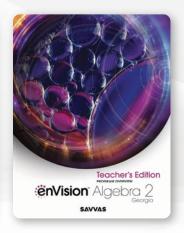
Families are provided with video tutorials and vocabulary review that support math skills and content standards.

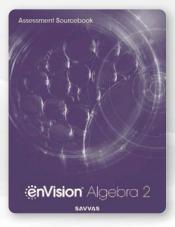
Comprehensive Resources

Teach using multiple modalities and tiers. All components offer comprehensive support and prepare students for success. You don't have to look anywhere else!









Georgia Student Edition

Includes all instructional content. Available digitally with the Student Companion at point of use through the Realize Reader™. Available in Spanish for Algebra 1.

Georgia Student Companion

The two-color, consumable student worktext increases in-class and at-home engagement as students explain their thinking, solve problems, and make it their own.

Georgia Teacher's Edition Program Overview

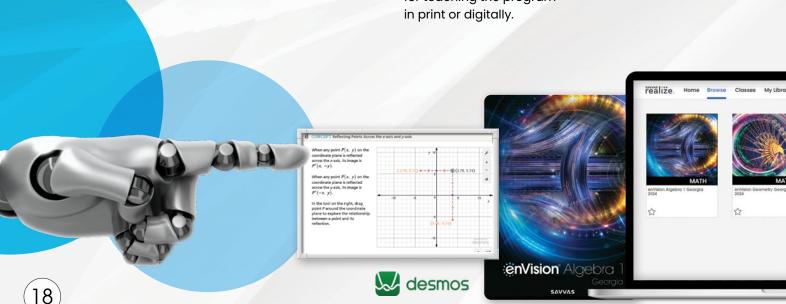
Provides a program overview, custom Georgia lessons, and tips for teaching the program.

Teacher's Edition

Topics and lessons include all support for teaching the program in print or digitally.

Assessment Sourcebook

Includes an Assessment Guide, Readiness Test Masters, Topic Assessment Masters, Topic Performance Task Masters, Lesson Quizzes, Cumulative Assessment Masters, and Progress-Monitoring Assessment Masters.



Savvas Realize[™] Learning Management System offers a full suite of personalized teaching and learning tools to help students master content skills and standards.

Robust Math Tools

Powered by Desmos™

Calculator include a
graphing calculator,
scientific calculator, and
geometry tools available
online and offline.

Author Professional Development Videos

provide practical tips on implementing the program in a high school math classroom.

Classroom Videos

show a classroom in action. Interviews with the teacher cover planning and reflection.

Skills Review & Practice

Skills-based scaffolded instruction can be used as intervention, practice, and/or review of critical prerequisite concepts and skills.

Mathematical Modeling in 3 Acts

videos accompany Mathematical Modeling in 3 Acts lessons.

enVision[®] STEM

Projects include videos and blackline masters.

Interactive Digital

Lessons are easily projected to bring concepts to life, available online and offline.

Additional Examples

help students in need of more instruction.

Enrichment Examples

extend the learning and enhance student understanding in Algebra 2.

Family Engagement

Easily-accessible resources provide families with Topic and lesson support, including video tutorials and key vocabulary review.

Ready-to-Go, Easily
Customizable and
Auto-Scored MathXL*
for School from Pearson
Assignments support daily
practice, mixed review,
remediation, additional
practice, and enrichment.

Savvy[™] Adaptive Practice

- Personalized practice in real-time, focusing on key concepts in each lesson.
- A brand new, transparent engine, informs students when and why they are receiving specific practice items or instructional support resources.
- Students dial back into prerequisite concepts or accelerate forward as they practice.
- Automatically adjusts to student performance and intervenes with instructional support as needed.



Virtual Nerd[®] Tutorial Videos act as a 24/7 personal tutor with closed captioning in Spanish.

Editable Teacher Resource Masters

for vocabulary support, remediation, additional practice, enrichment, graphing calculator activities, assessments, and more!

Ready-Made, Auto-Scored Assessments provide
auto-assigned remediation.

Technology-Enhanced Items throughout the program prepare students for standardized testing.

Wealth of Reporting

Options include Scores, Progress, and Usage.

Answers and Solutions

software application provides answers and solutions to textbook problems.

ExamView° test generator includes test banks with thousands of additional questions.



Ready-Made Presentation Slides make in class
presenting quick and easy.



envision A Georgia



Georgia educators can preview online resources and learn more at: Savvas.com/GAmath

SCAN the QR code to find your Georgia Account Manager.





Savvas.com 800-848-9500

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