



# VIRGINIA GLENCOE MATH



Support Virginia Standards of Learning  
Engage Every Student  
Develop a Class of Critical Thinkers  
[mheonline.com/VA](http://mheonline.com/VA)



# Make Math **Relevant, Rigorous,** and **Possible** for Every Student

You have a passion for teaching mathematics.

We have the comprehensive resources needed to teach mathematics with confidence and transfer your passion to your students.

**Virginia Glencoe Math provides solutions to support:**

- ▶ Lesson planning
- ▶ Comprehensive Virginia Standards of Learning Coverage
- ▶ Differentiated Instruction
- ▶ Next generation assessments

In order for *Virginia Glencoe Math* to successfully meet *your* expectations, it had to exceed *ours*—ensuring it was rigorous, relevant, and produced real results.

## Rigor

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### **Built-In and Supported throughout the Program**

The three components of rigor—conceptual understanding, application, and procedural skill and fluency—are embedded so aligned resources, lessons and practice assessments are all at your fingertips.

## Relevance

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### **Math in Context So Students See How Math Matters**

Thousands of digital planning tools and interactive resources are available online in one, easy-to-use portal, ConnectED. Use them as-is or make them your own to spark student thinking.

## Results

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### **Proficiency for All Students Is the Goal**

Assessments help you determine student proficiency before, during and after lessons. Differentiated instruction resources ensure approaching-level students master concepts before moving on, while beyond-level students are continually challenged.

# Virginia Glencoe Math Empowers You to **Teach** Math Standards, **Engage** Every Student, and **Develop** a Classroom of Critical Thinkers

With the Virginia standards at your fingertips in *Virginia Glencoe Math*, lessons are ready-made, or customizable to your teaching style, giving you the support needed to concentrate on teaching and truly engage your students.

Captivate your students with everything the world of math has to offer while teaching them the vital skills necessary to become mathematically proficient and excel on the next generation assessments.

## Getting Started with ConnectED

Connect to your eBook and all your online resources through ConnectED. Log on: [ConnectED.McGraw-Hill.com](http://ConnectED.McGraw-Hill.com)

- ▶ Comprehensive resources containing everything you need to teach your class.
- ▶ Accessible anywhere, from any computer, at any time.
- ▶ Use your device via ConnectED Mobile available from your App Store.



*Virginia Glencoe Math* was thoughtfully developed with features to help your middle school students stay organized. In the interactive student edition, students take ownership of their learning experience while taking lesson notes and completing homework right at point of use in both the print and digital versions. The printed student editions are three-hole-punched, have perforated pages, are color coded, and have so much more to keep students on the right track.

## Move easily and freely between print and digital.

Wherever you are in the digital transition, *Virginia Glencoe Math* is there with you, offering the perfect blend of print and digital materials to fit into all your classroom needs. ConnectED is your platform for all digital resources accessible from school or home.

# SIMPLIFY DIFFERENTIATED INSTRUCTION WITH ALEKS

## Say Hello to ALEKS

ALEKS is an online assessment and learning resource for grades 3-12. This research-based program uses adaptive questioning to precisely identify what a student knows and doesn't know within a course. ALEKS then targets those topics a student is ready to learn, recognizing knowledge gaps while reassessing to ensure topics learned are also retained.

- ▶ Features personalized instruction and learning
- ▶ Virginia standards-based instruction
- ▶ Dynamic data at the student, class, school, and district levels
- ▶ Flexible implementation—Core, Supplement, and Intervention

# ALEKS®

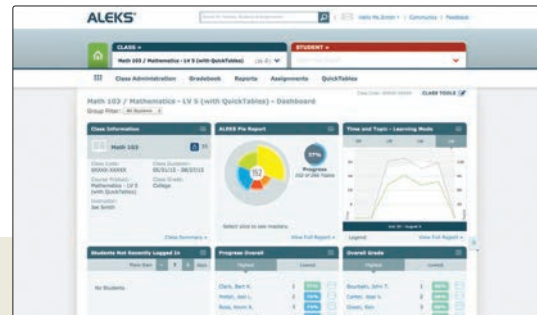
**Begin a Free Trial Today**  
[aleks.com/free\\_trial/instructor](https://aleks.com/free_trial/instructor)

## Explore ALEKS in Two Ways



### ALEKS as a Student:

See what makes ALEKS unique, from its adaptive knowledge checks and free response environment to its personalized instruction on Ready to Learn Topics.



### ALEKS as a Teacher:

Look at the reports and course management tools that are available to help you effectively monitor student progress and further differentiate instruction.

View ALEKS Courses: [aleks.com/k12/course\\_products](https://aleks.com/k12/course_products)

Learn More: [aleks.com/k12](https://aleks.com/k12)

# Apps, Games, and Much More to **Get Students Excited to Learn**

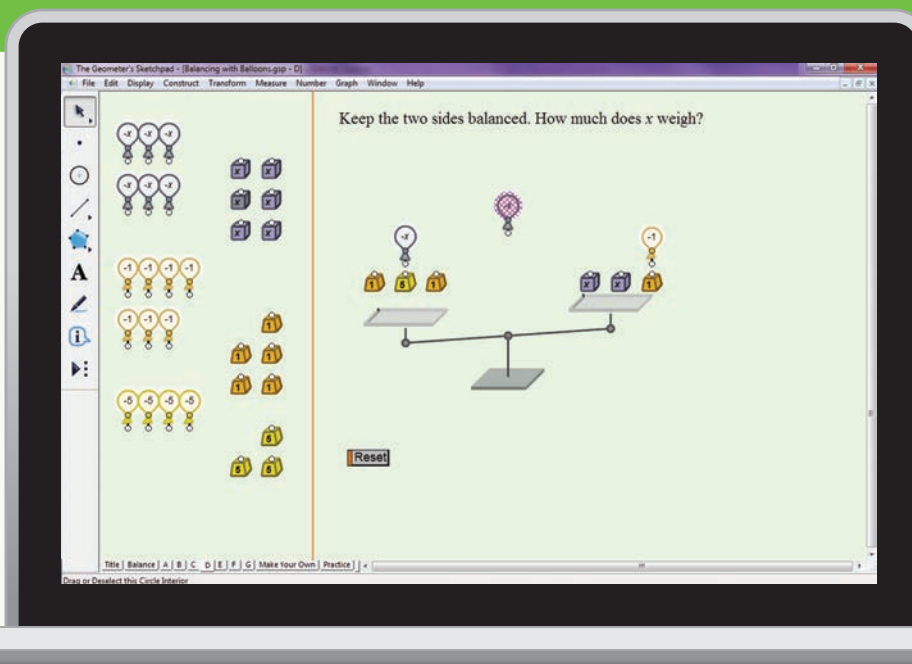
Encouraging critical thinking, creativity and practice, the interactive student edition gives students ownership of their learning with their very own write-in textbooks. Digital resources, like **The Geometer's Sketchpad®**, help you illustrate mathematical ideas in a tangible way that increases student engagement, understanding, and achievement.



## Getting Started with Sketchpad

Connect to the power of **Sketchpad** by bringing math concepts alive with point-of-use sketches within ConnectED.

- ▶ Embedded activities available from the eBook
- ▶ Presentation sketches provide detailed notes for in-class use
- ▶ Downloadable software for full product access available at: [MHEOnline.com/Sketchpad](http://MHEOnline.com/Sketchpad)



In addition to **The Geometer's Sketchpad**, there are many other digital resources available including:

- ▶ **Step-by-Step Examples** allow you to walk through each solution of every example in the Student Edition.
- ▶ **Online Personal Tutors and Animations** provide visual support of math concepts.
- ▶ **Virtual Manipulatives** provide a visual approach to math without the classroom cleanup.
- ▶ **Inquiry Labs** promote collaboration, conceptual understanding, and critical thinking.
- ▶ **Real-World Applications** allow students to understand the everyday relevance of math.
- ▶ **21st Century Careers** highlight the math skills needed to ensure real-world success.
- ▶ **Small Group Activities** provide suggestions for collaborative learning to help you differentiate your instruction.

# Tools to Prepare for Success

## Standards of Learning (SOL) Assessments

With the performance tasks, technology enhanced questions, and writing practice provided in *Virginia Glencoe Math's eAssessment*, your students will be properly prepared to face the types of questions on Virginia SOLs and excel in the online testing environment.

Standards Practice, Benchmark Tests, and Quick Checks provide additional support and assess student retention, instilling further confidence in your students.

### Getting Started with eAssessment

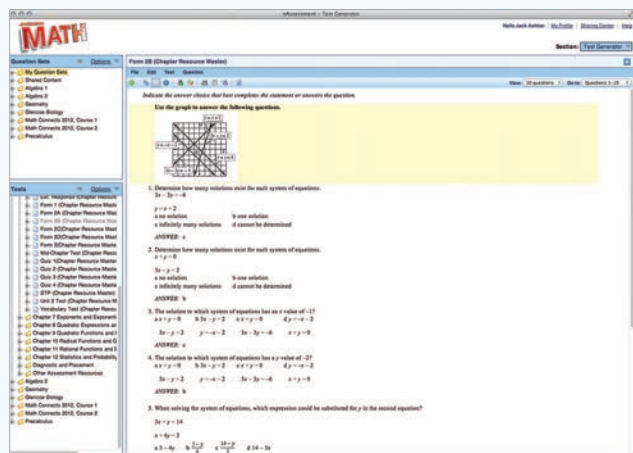
Make assignments, deploy pre-made assessments, or create your own tests with tech-enhanced questions and ready-made graphics.

Log on: [ConnectED.McGraw-Hill.com](http://ConnectED.McGraw-Hill.com)

- ▶ Select Menu.
- ▶ Select Assessment from Menu.
- ▶ Use eAssessment "How To" for step-by-step videos.

OR

- ▶ Select your chapter and lesson for pre-made assessments.



# Professional Development has Support Every Step of the Way

## Getting Started

### Administrator Support

Here you will find step-by-step guides, teacher checklists, and a space to collaborate with fellow *Virginia Glencoe Math* administrators.

### Quick-Start

Videos, how-to guides, and discussion boards to help you get your class up and running in no time!

### Implementation Course

Implementation Course is a deeper dive into all program aspects including planning tools, data collecting, and reporting while also focusing on pedagogy and standards.

## Ongoing Support

### Sketchpad

Accelerate learning with *The Geometer's Sketchpad*®. Interactive online assistance is available to help you learn to quickly optimize this **dynamic visualization software** today.

Choose from:

- Sketchpad Resource and Learning Centers
- Getting Started Tutorials & Quick Tips
- Sketchpad Sketch Exchange
- Sample Activities Library

### ALEKS®

On-demand, embedded support for **ALEKS**® shows you how to maximize its artificial intelligence, reporting features, and help your students' math mastery progress.

Use these resources at point-of-use through the ConnectED Teacher Center dashboard.

### Video Libraries

Free of cost and available on-demand, **Video Libraries** feature master teachers, authors, and math experts sharing their content knowledge and pedagogical style.

### Webinars

Learn from expert authors and educators with **On-Demand Webinars** available to you free of cost.

### White Papers

Researched and written by industry experts, **White Papers** help educators learn more about engaging students, differentiating instruction, preparing students for STEM careers, and much more.

## Never stop learning... Mastery Courses

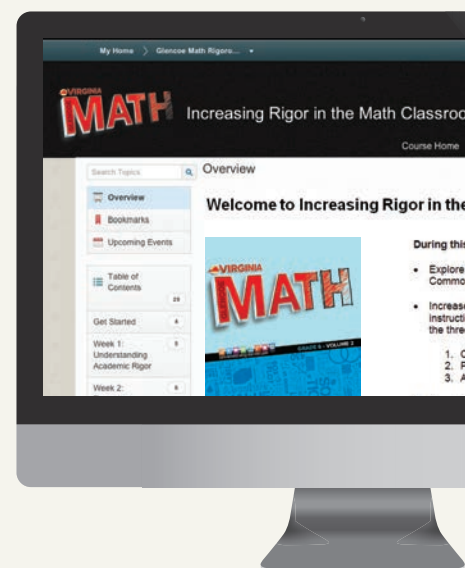
**Fostering Meaningful Student Engagement** for middle school *Virginia Glencoe Math* teachers looking for ways to increase student engagement and hands-on learning.

**Increasing Rigor in the Math Classroom** gives a deeper understanding of rigor as a pedagogical concept to *Virginia Glencoe Math* middle school teachers.

**Teaching Middle School Math with Sketchpad** provides educators an in-depth understanding of Sketchpad.

**Teaching Algebra with Sketchpad** illustrates how to incorporate Sketchpad into any algebra classroom.

**Teaching Geometry with Sketchpad** for middle school mathematics teachers looking for beneficial ways to incorporate *Sketchpad Dynamic Geometry*® into their geometry classroom.



Teach with Confidence.  
Teach with *Virginia Glencoe Math*.



Ready to learn more? Call 800-334-7344 or [mheonline.com/VA](http://mheonline.com/VA).

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