

CARNEGIE  
LEARNING



# High School Math Solution

MATHia Software + Textbook

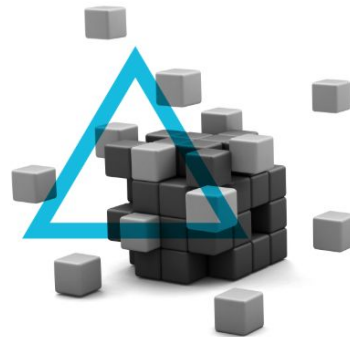
**Giving teachers the simplest, most flexible path to research-proven results.**

## 20+ Years in the Making

Carnegie Learning has been delivering blended, student-centered mathematics instructional materials and teacher-focused professional learning for more than 20 years. As we worked on the latest iteration of our High School Math Solution, we were fortunate to have ongoing feedback from our customers and our team that works with teachers each day. This ongoing flow of insight directly from the classroom has helped us build a math solution that brings math to life for students and enables teachers to facilitate remarkable learning experiences.

### Instructional Approach

You strive to ignite your students' curiosity, encourage them to develop their ideas, and push them to share what they've learned. So do we.



In addition, Carnegie Learning wants to give a shout out to our incredible team of instructional designers, cognitive scientists, researchers, and engineers who think, eat, and breathe math each and every day. The result of their work, the new Carnegie Learning Math Solution, is a one-of-a-kind solution — one that combines the power of collaborative learning supported by printed student materials and individual learning supported by MATHia, our intelligent coaching software.

[Watch a video](#) about what makes our team so special.

## We use research to help drive your success

When you review our materials, note that everything we do is, and always has been, driven by research. Carnegie Learning was born through a collaboration between cognitive scientists at Carnegie Mellon University and master math practitioners at Pittsburgh Public Schools, with the mission of helping students learn algebra. Over the years, this mission has grown beyond algebra, expanding across middle school and high school mathematics.



### Research-Proven

In study after study, Carnegie Learning has been proven effective. We believe you deserve materials that work as hard as you do.

We continue to work collaboratively with many research universities to push the learning science in math forward, ensuring the students of tomorrow have even more effective math instruction. Working with Carnegie Learning, you will see this continuous improvement and innovation in all our products and services, from the way math learning is supported through lessons and workspaces, to the way data is presented to support intervention and classroom management, to how our master practitioners support your team of teachers as they improve their practice. Research guides it all and you'll never see us cutting any corners on great math instruction!

For information about our Gold-Standard research and more results, [check out our research page](#).

## A Different Brand of Blended Learning

At Carnegie Learning, we think differently about “blended learning.” Carnegie Learning thinks about the learning experience from the student’s perspective. Students need to learn in two types of environments: **learning together in groups and learning individually**. There are times when a class is working together, digging in and discussing the math, building great conceptual understanding and other 21st-century skills like critical thinking, problem solving, communication, collaboration, creativity, and innovation. There are also times when a student needs to solidify his/her conceptual understanding, while also establishing procedural fluency.

### Flexible Learning

When we talk blended, it’s about more than just print and digital. It’s about giving you the flexibility to teach your way.



With our High School Math Solution, we blend those two experiences through the student text and MATHia. Ultimately, our pedagogical approach within our instructional materials focuses on how students think, learn, and apply new knowledge in mathematics and empowers them to take ownership of their learning.

[Watch a video](#) from Sun Prairie, WI to get an inside look at what a LONG + LIVE + MATH classroom looks like

[Watch another video](#) of a Carnegie Learning lesson in a real classroom.

## MATHia: The 1-to-1 math coach that makes your life easier

While no technology could ever replicate the magic an amazing teacher brings to the classroom, there is one platform that comes much closer than any other — MATHia from Carnegie Learning. **With MATHia, every student gets their own personal math coach.** Unlike other math software, which “adapts” at the problem level, MATHia works skill-by-skill to:

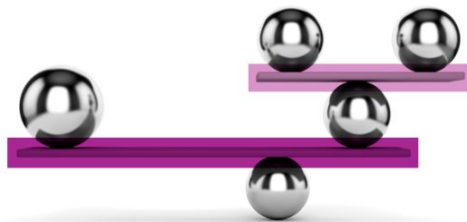
- Drive students to master the discrete steps that make up the problem.
- Provide students with point-of-use hints that anticipate what they’re thinking (not just react to what they’re doing). This is made possible by the market’s most robust cognitive science research, which drives every hint.

- Give students an ongoing, transparent view into their step-by-step progress — not just one-dimensional results telling them what problems they got right and wrong.
- Give teachers insight into what a student is thinking throughout the learning process, not just how they're performing on the test.

[Watch a video](#) to get an overview of MATHia's magic, as told by the team that built it.

## **You're not alone. The hardest working team in education is here for you.**

As amazing as our instructional materials and technology are, the most important thing to know about Carnegie Learning is that we approach working with you as a partnership. In working with you, we think about solutions (evident in the title of this series), not products. We work with districts to understand each unique learning environment and focus on what will improve math learning and results. Along with our student and teacher materials, the type of professional learning we deliver changes the way teachers think about math instruction, empowering them to create cultures of collaborative learning and gain confidence in their own math practice.



### **Finding Your Balance**

Our team of Master Math Practitioners is always here to help you bring your dream classroom vision to life.

[Watch a video](#) showcasing the amazing work (and impact) our Professional Learning team has in The School District of Philadelphia.

[Watch another video](#) to learn more about our [LONG + LIVE + MATH Movement](#), which culminates in our annual [LONG + LIVE + MATH National Institute](#) each summer.