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Disclaimer: Information provided is accurate as of December 2018 and is subjected to changes without prior notice.
# Level Chart

## PreK-6

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NEW! Introducing the Reveal Math Family

Revel Math for Grade 6 to 8

Revel Math: Algebra 1, Geometry, Algebra 2 for Grade 9 to 12
Developed in collaboration with Stanford University, Redbird Mathematics meets all learners where they are with an engaging program that enables them to understand, apply, and create at their specific point on the learning continuum.

- Delivers high-quality, differentiated instruction and support
- Provides assessment opportunities for students and powerful reports to educators that can help direct next steps
- Available anytime, anywhere on any internet-enabled tablet or computer
- Help learners build confidence in their abilities, engaging in productive struggle that helps them learn how to learn
- Supports success for all students with learning scaffolds, including hints, feedback, and a variety of interactive modes
- Connects mathematical concepts to STEM careers through in-unit problems and end-of-unit projects
McGraw-Hill My Math is Made For You, giving you the rigor, personalization, and student engagement you and your students need to be successful with the Standards — and have fun while achieving that success! This completely re-imagined approach to elementary math learning is fully aligned with Standards and Mathematical Practices, so you can focus on what you love most: inspiring a love of learning.

PreK Materials
PreK Learning System
Explore mathematical concepts and skills through literature with your preschool students. Program includes suggestions for circle time and center activities and provides hands-on experiences for conceptual development.

Includes: Teacher Edition; Student Flip Book; Literature Big Books (10); Math Routines on the Go; Visual Vocabulary Cards; Alphabet Cards; Math Songs; Mother Goose Puppet; and Bears in a Boat manipulatives.

PreK Manipulative Kit
Young children learn mathematics by using manipulatives to represent concepts in a concrete way. This kit helps develop concepts using shapes, connecting cubes, bears in a boat, counters, and more.
Providing foundational support to Grade K math standards, the PreK Program includes the following components:

**PreK Teacher Edition**
Literature-based instructional plans support early math development.
- Includes ten chapters with integrated lesson plans, progress checklists, family letters, and blackline masters
- Provides teachers with support to help early learners

**PreK Student Flipbook**
Stimulating questions and spiral review engage students as they relate math to their experiences.
- Contains vibrant visuals and guided teacher instruction
- Supports oral language development

**Math Routines on the Go**
A set of mini-math activity cards provides quick, easy access to ideas for each day of the school year.
- Provides suggestions for Calendar Time, transition times, and Line Up activities
- Includes handy, clip-on key ring for ease of use
Visual Vocabulary Cards
Math vocabulary cards come complete with the word, a picture/illustration, definition, and learning routines. Also includes Spanish!
• Help students develop math language and communicate mathematical ideas effectively
• Introduce, reinforce, and build student math vocabulary

Alphabet Cards
These alphabet cards reinforce both math vocabulary and language skills.
• Include several math words for each of the letters in the alphabet
• Contain a song about each letter with math focus

Grade K–5 Student Materials  Student Edition with Digital Resources
This interactive Student Edition contains everything students need to build conceptual understanding, application, and procedural skill and fluency. Opportunities such as vocabulary support, homework pages, real-world problem-solving investigations, and fluency practice, provide meaningful student engagement. Content is organized to address the Standards for Mathematics and emphasize Mathematical Practices. Hands-On activities connect learning to the real world.
K–5 Resources Student Center
Engage students with intuitive digital resources they can access from any digital device anywhere. A homework section lets students view assignments that teachers post through a message board.

Includes: Chapter Videos, Animations, Math Games, Personal Tutors, Virtual Manipulatives, and Visual Vocabulary Cards.

Chapter Videos Grade K–5
Theme-based videos tie to the Essential Question for the chapter and model math applications in real-world settings to build conceptual understanding.

Visual Vocabulary Cards Grade K–5
Students study key math vocabulary related to their lessons with word definitions, models, and examples. Online tracking gauges student progress by identifying the words they know.

Games from Red Bird Mathematics Grade K–5
Built upon research from Stanford University, Red Bird Mathematics games provide skill practice and reinforce conceptual understanding of key topics. These games provide engaging practice and opportunities to develop fluency within each game is a tutorial for students, with grades K–2 games including audio support with the on-screen text.

Geometer’s Sketchpad® Websketches Grade K–5
Engage your students with animations for lessons to support key mathematical concepts. Animations provide narration with “stop” and “play” controls, so students can review the concept in the classroom or at home.

Personal Tutors Grade 3–5
Online “virtual teachers” walk students through lesson problems and examples. Narration describes the thinking process for solving each problem. Students can get homework help 24/7.
Grade K–5 Teacher Materials Teacher Edition with Digital Resources
Personalize your teaching, provide rich differentiated instruction, and challenge your students’ with rigorous instruction. The print Teacher Editions are perfectly aligned to the digital instruction with point-of-use references to the Lesson Presentations and all digital resources making planning and instruction easy.

Teacher Center
Get easy access to all digital resources, including an online version of the Teacher Edition. You can organize resources based on the Common Core State Standards to personalize lesson planning, instruction, and intervention. Create custom lesson plans, organize lessons in any order, and post assignments online.

Includes: Problem of the Day, Common Core Quick Check, English Language Learners Guide, Strategic Intervention Guide, Diagnostic and Placement Tests, and eAssessment

Problem of the Day Grade K–5
This whiteboard-ready Lesson Presentations provide daily opportunities to practice reading, problem solving, and communication skills. Unique graphic organizers help students solve problems in either whole-class or small-group setups.

Quick Check Grade 1–5
Digital quick checks for each lesson in the Student Edition allow you to review concepts and skills to monitor comprehension. A standardized test practice problem is also included.

Interactive Guide for English Language Learners Grade K–5
Support differentiation with lessons for reading, writing, and language skill practice for each chapter. The guide provides differentiated lesson instruction and development of mathematical literacy with three levels: Emerging, Expanding, and Bridging.
Targeted Strategic Intervention Guide Grade 1–5
Give effective suggestions for intervention with resources, strategies, and assignments that provide even more intense RtI instruction.

Diagnostic And Placement Tests Grade 1–5
Assess student knowledge at the start of the year to determine any support needed to meet grade-level standards. A complete collection of assessments provides resources for strategic intervention. Found online.

Online Assessments Grade K–5
Create custom online assessments, homework, and practice pages via the Teacher Center. You can generate reports and make assignments for individual students and groups. The Online Assessment generator includes CCSS and state correlation options with a variety of technology enhanced question types. Materials are also available as printable tests.

Assessment Practice Grade K–5
This blackline master provides tips and practice for achieving success in the CCSSM high-stakes tests. Think Smart for the Smarter Balanced Assessment, Power Up for the PARRC Assessment, and 21st Century Assessments offers students opportunities to familiarize themselves with these test item types and performance tasks for every chapter.

Assessment Masters Grade K–5
This resource includes options for formative, summative, diagnostic, and standardized test practice assessments. Assessments cover vocabulary, computation, and problem-solving skills with multiple choice, fill-in-the-blank, and open-ended questions.

One per grade; blackline master format

Countdown to the Common Core Assessments Grade K–5
Each grade level of Countdown to Common Core Mathematics Performance Tasks contains four performance tasks that can be used to assess student understanding of grade level concepts using real-world scenarios. Each task includes blackline masters to reproduce for students.
Differentiated Instruction

My Learning Station Grade K–5
This interactive classroom center motivates students with activities, games, and literature for small-group or independent practice and review. Directions for differentiating instruction for three student levels—Approaching, On-Level, and Beyond—are included.

Real-World Problem-Solving Readers Grade K–5
These leveled readers deliver multi-level reading and mathematics skills with real-world problem-solving content to meet the needs of all your students.
• Available in four versions: Approaching, On-Level, Beyond, and Spanish
• Help students connect mathematical strategies to real-world situations
• Strengthen students’ ability to analyze and apply mathematical skills
Manipulative Kits

**Individual Manipulative Kit** *Grade K–5*

Use the most common manipulatives for hands-on learning and differentiated instruction. Includes a handy storage bag.

**Magnetic Manipulative Kit**

Take advantage of the most common classroom manipulatives in magnetic form. Students can work in groups to solve problems and show their solutions. The magnetic whiteboard helps you easily demonstrate concepts.

**Overhead Manipulative Kit**

Give easy, effective overhead demonstrations. Teachers can use these kits of ready-made plastic manipulatives for whole-group demonstrations of key concepts.

**Classroom Manipulative Kit**

Engage students in practical exploration of math concepts with this assortment of common manipulatives for your whole class. Includes a handy storage bin.

**Teacher Tool Kit**

Easily demonstrate math concepts for whole-class and small-group use. This kit contains stop watches, thermometers, geo mirrors, and more.

*Manipulatives also available for purchase individually in order to keep your manipulative set complete.*

Additional Classroom Resources

**Teaching Mathematics and Science with Foldables®**

Dinah Zike, M.Ed., is a nationally renowned author, education consultant, and lecturer. She has invented hundreds of educational manipulatives (graphic organizers) that are used internationally by educators, trainers, and consultants. Dinah has developed over 200 supplemental educational books and materials used in homes and classrooms nationally and in English-speaking countries around the world. Her Foldables® are an exclusive feature of McGraw-Hill Education programs.

**www.mheducation.asia/my-math**
# McGraw-Hill My Math PreK–5 Components List

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## McGraw-Hill My Math PreK–5 Components List

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Welcome to Everyday Mathematics 4
Developed by the University of Chicago School Mathematics Project in partnership with McGraw-Hill Education, Everyday Mathematics 4 continues to transform math education by applying a research-proven instructional approach that fosters lifelong mathematical proficiency.

- **Adapts to fit your classroom** Innovative learning tools that offer the flexibility of complete digital implementation
- **Engineered for the Common Core**: Carefully-constructed learning progressions that focus on the instructional standards required for each grade
- **Gives every child the opportunity to succeed**: Tools specifically designed to measure student progress and identify differentiation opportunities
Student Resources Overview
Student materials are available in different packages to meet your needs.

- **Comprehensive Student Materials Set**
  Complete set of student resources delivered online and in print. For initial purchase.

- **Essential Student Materials Set**
  Complete set of student resources delivered online, supported with print versions of the Student Math Journals and Math at Home Books. For reorder or initial purchase.

- **All-Digital Student Materials Set**
  Complete set of student resources delivered online for full digital implementations. For reorder or initial purchase.

See Grade-Specific Ordering Information for ISBNs and Pricing.

---

**Student Learning Center Grade K–6**

*Included in:*  
![Images of everyday mathematics materials]

New for Everyday Mathematics 4, the Student Learning Center is designed for how children learn in our digital and interactive world. Full access is included with every Student Materials Set.

- **Interactive Learning Every Step of the Way**: Students interact with digital versions of nearly every lesson activity, including Math Journals and assessments.
- **Support for Family**: EM at Home makes it easy for families to help their child with access to lesson resources and more.
- **A Toolbox of Support**: Digital manipulatives, Geometer’s Sketchpad® activities and tutorial animations are embedded at point-of-use to aid in completing assignments, activities and assessments.
Student Learning Center includes: interactive lesson activities (including Math Journal, Math Masters, Home Links, and more), My/Student Reference Book, eToolkit, EM Games Online, EM Facts Workshop Game, EM at Home, customized assignments and more!

Access online through ConnectED.

**My First Math Book** *Grade K*

*Included in:*

Supports daily instruction by helping young minds organize and record their understanding of the math concepts they’re working on.

- Flip-book format organizes journal pages and lesson-support pages
  Consumable, 10 ⅞” x 8 ½”

**Math At Home, Books 1–3** *Grade K*

*Included in:*

Family activity suggestions that help children develop strong math foundations.

- Three-book set, with each book supporting three sections of instruction
- Allows children to show parents what they’ve learned
- Supports learning outside of the classroom environment

*Softcover, 8 ½” x 5 ¼”*
Everyday Mathematics

Student Math Journals, Vol. 1 & 2 Grade 1–6

Included in:  

Student pages support daily instruction with focused concept and skill development, alongside ongoing practice.

• Card stock pages can be cut out by students to support hands-on lesson activities
• Math Boxes provide ongoing practice opportunities and cite supporting Student Reference Book pages
• Student Math Journals provide a long-term record of student thinking and progress with mathematical concepts and skills

Consumable, 8 ½” x 10 ⅞”, two Vol.s per grade

My Reference Book Grade 1–2

Student Reference Book Grade 3–6

Included in:  

This hardcover resource assists the student with learning key mathematical concepts and skills.

• A resource for students requiring additional help with explanations, examples and directions to games
• Organized by Common Core domain
• Digital version included in Student Learning Center

My Reference Book: Hardcover, 7 ¾” x 9 ¼”; Grade 1–2

Student Reference Book: Hardcover, 8 ⅛” x 10 ⅞”; grade-specific
**Pattern Block Template** *Grade 1–3*

**Geometry Template** *Grade 4, 6*

*Included in:* 

Hands-on support to develop deep understanding of mathematical concepts.

- Flip-book format organizes journal pages and lesson-support pages

*Pattern Block Template: Green plastic, 4 ¾” x 6 ⅞”*

*Geometry Template: Blue plastic, 6” x 7 ½”*

**Home Links® *Grade K–6***

Save time in preparing lessons and help students stay organized.

- Copies of Home Links and Parent Letters provided for each student
- Save time and money by including the Math Masters that the teacher would copy for students

*Consumable, perforated, three-hole punched, 8 ½” x 10 ¾”, grade-specific*

**Classroom Resources Overview**

**Comprehensive Classroom Resource Package**

Complete set of student and teacher resources delivered both online and in print.

**All-Digital Classroom Resource Package**

Complete access to digital resources empowers you to deliver the Everyday Mathematics curriculum in a fully-interactive learning environment.

Classroom Resource Packages include all curriculum resources you need to plan, teach and assess with confidence.
ConnectED Teacher Center Grade K–6

The ConnectED Teacher Center is designed for how you teach. Multi-year access is included with every Classroom Resource Package.

- **Always Accessible**: Plan and deliver instruction and assessments on a variety of devices from wherever you might be.
- **Plan and Differentiate with Confidence**: Review student performance and provide appropriate support with monitoring and evaluation tools.
- **Real-time Feedback and Reporting**: View, respond and evaluate student work in real-time for both auto-scored and authentic assessments. Reports are available at the student, class, school and district levels.
- **Customize Your Lessons**: Attach your own external resources and tagged notes to units, lessons, and activities.

ConnectED Teacher Center includes: All lessons in teacher-friendly format, Student Learning Center, planner, eToolkit, ePresentations with integrated eTools and Geometer’s Sketchpad® activities, Spiral Tracker, evaluation tools, assessment and reporting, customizable assessments, Sing Everyday! Mp3’s (K only), printable resources, additional differentiation and ELL support for every lesson, eBooks of all printed materials (teacher and student), Home Connection Handbook eBook (online only), Implementation Guide eBook (online only), and more.

Access online through ConnectED.
**Teacher’s Lesson Guide, Vol. 1 & 2 Grade K–6**

A complete guide to teaching each lesson in the Everyday Mathematics curriculum.

- Easy-to-follow lessons contain planning information, step-by-step instruction, assessment opportunities and point-of-use differentiation strategies.
- Guidance on how to teach math to young children and elicit thoughtful responses.
- Assessments and activities tagged to standards and practices give you Common Core confidence.

*Spiral-bound, 10” x 12”, two Vol.s per grade*

**Activity Cards Grade K–6**

Colorful cards present self-guided activities to differentiate and extend the focus of each lesson.

- Organize math centers or stations quickly and easily
- More than 100 activities for every grade level
- Activities linked to Common Core Standards and Everyday Mathematics lessons
- Blank templates allow activities to be customized

*Full-color, laminate cards, 10” x 12”, grade-specific*

**Assessment Handbook Grade K–6**

Assessment masters for unit-based and interim assessments, along with record sheets for tracking progress.

- Includes masters for all assessments, including unit and interim assessments, blank class checklists and individual profiles of progress
- Save time and money by including the Math Masters that the teacher would copy for students

*Consumable, perforated, three-hole punched, 8 ½” x 10 ⅞”, grade-specific*
Math Masters Grade K–6
Reproducible masters to support your classroom instruction.
• All blackline masters for each lesson are maintained in one location and organized in curriculum sequence.
• Includes lesson activities, routines, games, general teaching aids, Home Links and Family Letters.
• Masters are perforated for easy removal and three-hole punched for easy organization.

Softcover, perforated, three-hole punched, 8 ½” x 10 ⅞”, grade-specific

Minute Math® Grade K
Minute Math+® Grade 1–3
Quick and easy activities provide targeted practice for transition times and spare moments throughout the day.
• Organized by Common Core domain with number stories clearly labeled
• Activities require little or no materials

Spiral-bound, 6” x 4”

Resources for the Kindergarten Classroom Grade K
Optional thematic activities bring math to life for young learners!
• Mathematics activities that can be incorporated into eight common themes such as Animals, Dinosaurs and Fairy Tales.
• Helps you recognize and value the mathematics embedded in children’s daily work and play
• Includes theme masters, literature lists, games, songs and chants, and lyrics to Sing Everyday! songs.

Softcover, perforated, three-hole punched, 8 ½” x 10 ⅞”

Classroom Posters Grade K–6
Visual aids to support student learning of important math concepts.
• See ISBN list for specific posters available for each grade

Double-sided, 39” x 26”
Standards For Mathematical Practice Posters  Grade K–6
Engaging visuals that model desirable math behavior.

- Each poster displays two Standards for Mathematical Practice and supporting visuals
- Age-appropriate artwork

*Colorful, double-sided, 39” x 26”, set of 4 posters*

Sing Everyday! Music CD  Grade K
Support learning in a fun and engaging way as children sing and act out songs.

- Reinforce counting with new lyrics and songs that help children recognize patterns and other math concepts.
- Available through ConnectED as mp3 downloads Audio CD in jewel case

Manipulatives
Our manipulative kits contain the hands-on materials you need to teach the Everyday Mathematics 4 curriculum. Packaged in plastic tubs for convenient storage, each manipulative kit serves 20–25 students. See the chart for specific grade-level contents.

Manipulative Kit Upgrade for EM4
Upgrade your existing Everyday Mathematics manipulative kit with this add-on package that contains the new manipulatives and additional quantities of existing manipulatives needed for Everyday Mathematics 4.
Additional Resources
Note: EM 2012 Classroom Games Kit pictured here. EM4 Classroom Games Kits available in February 2017.

Classroom Games Kit
Kits reinforce learning and providing additional practice opportunities enhancing many of the games that are included in daily instruction. Each grade-specific kit includes all materials needed for easy setup, gameplay and storage.

- Teacher’s Guide to Games is included, providing differentiation options, directions and masters for games
- Grade-level-appropriate gameboards to practice basic facts and build thinking skills

Note: EM 2012 Classroom Games Kit pictured here. EM4 Classroom Games Kits available in February 2017.

Family Games Kit
Family fun starts with these kits that include game rules and strategies. Each grade-level kit features a sampling of games.

Skills Link Practice Books Grade 1–6
Reinforce your daily lessons with additional review, practice, and test practice sheets all tied to individual Everyday Mathematics lessons.

Card Decks and Card Deck Activity Books
Students practice basic math skills while engaging in fun activities.

- Everything Math Deck (Gr. K–6)
- Time (Gr. K–3)
- Money (Gr. K–3)
- Fraction/Decimal/Percent (Gr. 2–6)

Activity Deck Packs include Activity Book and five card decks
Quick Look Activity Book Grade K–3
Help students learn to immediately recognize numbers, instantly see patterns, and enhance their visualization skills.

Activity Book includes activities for all Quick Look Cards. Activity Pack includes Activity Book and one of each Quick Look Card set.

Wallcharts
These 34” x 22” wallcharts for Grade K–6 illustrate routines tied to Everyday Mathematics activities. Each grade level-specific set contains seven double-sided posters. Posters have a write-on/wipeoff finish and can be reused year after year.

PreK © 2012
Everyday Mathematics Pre-K curriculum is designed to introduce mathematical concepts and build a student’s mathematical proficiency. Children learn by incorporating familiar objects and experiences into mathematical concepts. Everyday Mathematics Pre-K prepares students for success in Everyday Mathematics 4 Grade K and beyond through problem-solving, hands-on activities and cooperative learning.

Classroom Resource Package
Provides everything you need to teach the program. Resources are listed below.

Teacher’s Guide To Activities
Offers easy-to-follow classroom activities and ongoing daily routines that are the heart of the program.

Mathematics at Home®
This student and family resource that suggests activities to do outside school. Three book set.

Assessment Handbook
Provides an overview of the key features of assessment and includes all assessment masters.

Resources for the PreKindergarten Classroom
Presents optional thematic activities, children’s literature, songs and chants, and commercial games.

Home Connection Handbook
Provides strategies for improving home-school communication that can be used by teachers and administrators and includes masters for easy planning.
Math Masters
Includes blackline masters for routines, activities, projects, Home Links®/Study Links® and games.

Teacher's Reference Manual
Contains comprehensive background information about mathematical content and how to manage the program.

Classroom Posters
Reinforce classroom instruction with fun posters.

Sing Everyday! Early Childhood Music CD
Presents children with a fun mathematical learning experience as they sing and act out songs.

Manipulative Kit
Our manipulative kits contain the hands-on materials you need to teach the Everyday Mathematics PreK curriculum. Packaged in plastic tubs for convenient storage, each manipulative kit serves 20–25 students. See the chart for specific grade-level contents.
Building Blocks™ PreK builds on young students’ math experiences by integrating engaging, hands-on activities and interactive technology into instruction.

• Develops a strong conceptual framework and emphasizes the development of children’s mathematical thinking and reasoning abilities
• Supports a personalized and blended learning approach for young learners
• Offers comprehensive teacher support, teacher and student resources, and teaching strategies for optimal delivery and effectiveness
• Uses technology to develop adaptive activities that build foundational math skills
• Incorporates assessment as an integral part of learning

Key Features
• Online Activities adapt to student responses while engaging them in building foundational skills.
• Building Blocks assessment is a research-proven guide that effectively assesses the math proficiency of students.
• Real-time reporting allows teachers to easily track student progress and identify potential problem areas.
• Manipulatives promote hands-on learning and conceptual development.
• Big Books provide excellent math-related literature that children want to experience again and again.

Building Blocks™ Grade K to 8 online activities engage students by providing math practice in a game-like setting that is adaptive and personalized to each child.

• Maintains student engagement with technology programmed to adapt to student responses
• Assists students in mastering key math skills by providing extra practice activities designed to remedy deficiencies
• Tracks student progress using real-time reports that monitor progress and identify potential problem areas
Accelerate math success for struggling students with a comprehensive math prevention and intervention program.

**Key Features**

- Prepare students to meet rigorous Common Core Standards with a proven curriculum
- Engage students with projects, games, activities and digital resources
- Assess student achievement with dynamic digital assessment and reporting

**Benefit**

- Building Blocks™ Activities are adaptive, research-proven online activities designed to engage students and reinforce mathematical development.
- Digital manipulatives support reasoning skills and problem solving by allowing students to explore virtually while modeling math concepts.
- Online assessments and reports help teachers and administrators record and monitor student progress at the student, class and school level.

Prevention Levels (A–C) are designed to systematically teach students the foundational skills and concepts needed to succeed with math.

<table>
<thead>
<tr>
<th>Level A</th>
<th>Level B</th>
<th>Level C</th>
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<tr>
<td>Building Foundation for Kindergarten</td>
<td>Kindergarten Key Standards</td>
<td>Grade 1 Key Standards</td>
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<tr>
<td>Students learn well-developed counting and quantity schemas.</td>
<td>Students develop a solid understanding of single-digit numbers.</td>
<td>Students refine their understanding of the number system.</td>
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Intervention Levels (D–J) focus on foundational skills and concepts to meet key standards for grades 2–8. Each level contains five units that are six weeks in length. Each unit focuses on concepts aligned to the mathematical domains of the CCSS.

### Fraction/Decimal/Percent Card Deck 5-pack

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<tr>
<th>Unit 1</th>
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<td>Subtraction</td>
<td>Geometry &amp; Measurement</td>
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<td>Geometry &amp; Measurement</td>
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<td>Statistical Analysis</td>
<td>Geometry &amp; Measurement</td>
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Connecting Math Concepts: Comprehensive Edition works as a core program or as a Tier 3 intervention for at-risk students. Facts, procedures, conceptual understanding, applications and problem solving skills are combined in this program to provide a comprehensive curriculum for students.

- Introduces key concepts over the course of multiple lessons—providing the time students need to learn, process and build a deep understanding
- Delivers new online resources that effectively instruct, manage and monitor student progress
- Teaches explicit strategies and processes to accelerate student achievement
- Meets the math standards specified in Common Core State Standards
- Connecting Math Concepts: Comprehensive Edition includes new instruction designed to meet and exceed the Common Core State Standards.
- Interactive White Board Displays allow teachers to display instructional math visuals and problems to help students follow daily routines
- Student eBook and Textbook includes teacher and student-guided exercises online
- Student Workbook contains mastery tests and two practice tests
- SRA 2Inform offers online progress monitoring and precise reporting for teachers

Key Component Summary

Connecting Math Concepts Teacher Materials Level A - F: Presentation Books, Teacher’s Guide, Answer Key, Board Displays, Workbook, Online Teacher Subscription and 10 Online Practice Activities Student Subscriptions, Online Professional Learning Courses

www.mheducation.asia/connecting-math-concepts
Corrective Mathematics provides targeted support for students who struggle with basic math concepts, operations, or word problems. The seven strategic modules provide teacher-directed instruction on critical skills and concepts.

**Key Component**

**Teacher Materials:** Presentation Book with separate Answer Key.
Ensure that under performing students master pre-algebra content and learn introductory concepts in traditional Algebra I with this structured year-long course. Students learn to process a wide range of problems and solve complex problems independently. Help your students master the first third of Algebra 1.

**Key Component**

**Teacher Materials:** Spiral-bound Presentation Books (2); Teacher’s Guide; Answer Key; Board Displays; and Online Teacher Subscription

Help students pass end-of-course exams
Craft Content to Match Your Vision

One size doesn’t fit all.

You need to deliver programs the way you want, better meet your students’ needs, and create compelling learning solutions to fit your budget.

Now, you can design custom educational solutions—classroom materials, books, digital solutions, and integrated program alternatives.

Let Us Build a Solution That Works For You

A customized solution from McGraw-Hill Education ensures you deliver a program containing trusted, research-based content. Partner with our Custom Solutions experts to create student and teacher editions, intervention programs, or supplemental products—delivered as print, digital or both.

Work With Your Representative

With the help of our skilled custom product development team, Custom Solutions lets you build classroom texts, digital solutions, and integrated program alternatives. Get flexible, economical, and dynamic solutions to specifically work for your district school or classroom.

What Our Customers are Saying

“One of my greatest needs and desires has been fulfilled by the creation of a custom-bound Louisiana Fine Arts textbook. Not only does it cover the areas of fine arts textbook. Not only does it cover the areas of fine arts—it includes the connection of the arts to our everyday lives, and extends to architecture, photography, film and television, and video art. This comprehensive book is currently being used in classrooms across our Caddo district and around Louisiana.”

Henry E. Price, Supervisor of Art, Caddo Parish Public Schools, Shreveport, LA
Professional Development

Professional Learning Environment
Inspired, right from the start
Get instant access to resources for mastering your K–12 programs with the Professional Learning Environment (PLE). Its easy-to-use tools support professional learning and help teachers meet continuous improvement objectives.

The PLE is currently available via ConnectED for the following programs:
• McGraw-Hill Wonders
• McGraw-Hill My Math
• Glencoe Math
• iScience
• Number Worlds®
• High School Science
• Networks
• Additional professional development programs.

Program Mastery at Your Command
Each online portal leverages your investment in McGraw-Hill Education programs by
• Ensuring your programs are implemented with fidelity
• Saving money and time on offsite training
• Reducing substitute teaching expenses
• Sustaining professional learning throughout the year
• Interactive modules and media-rich instructional resources promote comprehensive program knowledge.
• Discussion boards make it easy for teachers to collaborate and share within communities and across districts.
• Progress monitoring allows you to track program-specific professional development.
• Certificates of completion provide a pathway to gaining CEU credits.

Quick-Start Professional Development Online Courses
For back-to-school implementation
Quick-Start online courses deliver weekly video-based instruction to support your back-to-school implementation of McGraw-Hill Education programs. They provide:
• Sessions led by program experts
• Exposure to the tools and components teachers use during the first few weeks of program implementation
• A timely, well-organized way to get information

QuickStart online courses are part of your program’s Professional Learning Environment. You can access them through ConnectED.
Teach math the way students learn with ALEKS® — a truly adaptive, data-driven instructional solution. ALEKS® provides educators with a research-based, differentiated math curriculum that ensures success for every math student.

- Introduce online, individualized math learning and assessment for Grades 3–12 to identify gaps in student knowledge
- Features an adaptive learning environment with open-response questioning
- Access programs from home or school anytime via a web-based interface
- Choose bilingual courses in English and Spanish
- Utilize QuickTables, a math fact mastery program for basic math skill practice and remediation
- Meet your classroom needs with flexible implementation options

Contact your sales representative to discuss ALEKS® standalone or ALEKS® bundled with many McGraw-Hill Education Math Programs for elementary, secondary, and intervention.

www.mheducation.asia/G3-12/aleks
The Geometer’s Sketchpad® is the world's leading software for teaching the principles of mathematics to elementary, middle, and high school students. By using dynamic models of fractions, number lines, and geometric patterns students can build their readiness for algebra and beyond through multiple representations.

- Optimal tool for interactive whiteboards
- Ready to use on tablet or iPad
- Classroom-tested activities
- Presentation sketches and detailed teacher notes
The Key To... Workbooks are designed to motivate students and increase their confidence in math skills with self-paced workbooks that promote skill development remediation, review, or standardized test practice.

- Uses a step-by-step approach with simple language and clear visual models
- Helps students overcome obstacles and build skills by using clear, worked-out examples
- Enables flexibility in the classroom for basic skills development, remediation, review, and standardized test preparation
- Saves time by providing complete lessons so you avoid preparing worksheets or copying pages

The Key To... series includes:

- **Key to Fractions**: Covers basic concepts through mixed numbers with handwritten examples and one concept per page to encourage student confidence.
- **Key to Decimals**: Begins with operations on decimals through uses of decimals in real-world situations such as sports, metrics, and pricing.
- **Key to Percents**: Emphasizes mental computation and estimation skills with multiple applications.
- **Key to Measurement**: Focuses on hands-on experiences, in group project and individual activities, while targeting the English system of measurement.
- **Key to Metric Measurement**: Students learn to measure in metric units to establish a foundation and understanding of the only system used in international commerce and communication.
- **Key to Algebra**: Introduces algebra using simple language and familiar situations to help students understand abstract concepts.
- **Key to Geometry**: A simplified introduction to geometric concepts using only a pencil, compass, and straightedge to give students hands-on experience in preparation for more sophisticated constructions and transition to formal geometry.
Reveal Math™ is a coherent, vertically aligned K–12 core math solution that empowers educators to uncover the mathematician in every student through powerful explorations, rich mathematical discourse, and timely individualized learning opportunities.

Reveal curiosity with mathematical exploration and discovery that deepens conceptual understanding.

Reveal understanding with insightful instructional resources to more effectively differentiate and promote a positive student mindset.

Reveal possibilities with purposeful technology that creates an active classroom experience.

- World-class advisor team: Cathy Seeley, Ed.D., Raj Shah, Ph.D., Cheryl Tobey, M.Ed., Dinah Zike, M.Ed., and Walter Secada, Ph.D.

- Rich tasks: Online Explore activities begin with an open-ended question and require deep conceptual thinking from the learner.

- Mathematical discourse: Talk About It! prompts build mathematical discourse skills as students learn to clarify their thinking and defend their rationale.

- Productive struggle: Problems with multiple solution paths encourage productive struggle and challenge student thinking.

- Growth mindset: Mindset Matters tips in the Teacher Edition provide strategies for encouraging a growth mindset and productive approaches to problem solving.

- Formative assessment: Each module features a Cheryl Tobey Formative Assessment Math Probe to target common misconceptions about a particular mathematical concept.

- Engaging technology: Designed with student engagement in mind, the digital resources in Reveal Math include animations, videos, and interactive problems to enhance context and learning.

- Web Sketchpad®: Web Sketchpad® activities, powered by Geometer’s Sketchpad and included with the program, enhance understanding by dynamically demonstrating math concepts in action.

- Desmos: The best-in-class Desmos graphing calculator, easily accessible in Reveal Math, allows students to quickly and easily create visual representations of math.
• **ALEKS®**: Integration between Reveal Math and ALEKS provides support for students at every level via the power of adaptive technology.

• **Integrated intervention**: Arrive Math™ Take Another Look digital mini-lessons supplement core instruction with targeted skill support and extra practice. About 100 of these digital, student driven lessons are included in each Reveal Math course.

• **Dynamic reporting**: Drawing on performance data from student assessments and activities, the Reveal Math reports and recommendations provide teachers and administrators with the information they need to monitor and adjust instruction on a daily basis.

• **Spanish support**: Language Development Handbooks provide specific resources and tips for building English language proficiency. Plus, the Interactive Student Editions are available in Spanish for every course!
Glencoe Math is a powerful Middle School math program for Middle School Math teachers that engages students and develops critical math thinking because only Glencoe Math is relevant, rigorous, and possible for every student.

- **Rigor**: Built-In and Supported throughout the Program
- **Relevance**: Math in Context So Students See How Math Matters
- **Results**: Proficiency for All Students Is the Goal
- **The Geometer’s Sketchpad®**: Dynamic geometry tools that give students a tangible, visual way to learn through construction of math models.
- **Interactive Resources**: Available with every lesson, the tools are used to support instruction, practice concepts, and reinforce learning.
- **Assessment Tools**: A comprehensive assessment system providing differentiated assessment resources as well as a test generator and reporting system.
- **Professional Development**: A professional learning environment at the program level that will give you the power to inspire a new generation of students to lead and succeed.
- **ALEKS®**: The adaptive learning technology of ALEKS® paired with the rich content of Glencoe Math provides a curriculum solution that is differentiated for every student.

Ask your Sales Representative about the power of ALEKS® used with your Core Program)
The Glencoe Math Accelerated offers a unique hybrid approach for the Accelerated 7th Grade Pathway. An Interactive Study Guide keeps students organized and an accelerated Student Edition prepares them for the rigor of algebra.

- **Contains** integrated technology in every part of instruction
- **Engages** every student
- **Develops** a classroom of critical thinkers
- **Provides** differentiated instruction with adaptive learning
- **Equips** students with tools for success
- **Interactive Student Edition (ISG):** Interactive write-in-text allows each student to take ownership of their work.
- **The Geometer’s Sketchpad®:** Dynamic geometry tools that give students a tangible, visual way to learn through construction of math models.
- **eBook:** Engages students with interactive learning experiences.
- **Assessment Tools:** A comprehensive assessment system providing differentiated assessment resources as well as a test generator and reporting system.
- **Professional Development:** An environment that will allow a deeper understanding of program strategies, collaborate with other educators, and get better results in the classroom.
- **ALEKS®:** The adaptive learning technology of ALEKS® paired with the rich content of Glencoe Math Accelerated provides a curriculum solution that is differentiated for every student.
Reveal Math™ is a coherent, vertically aligned K–12 core math solution that empowers educators to uncover the mathematician in every student through powerful explorations, rich mathematical discourse, and timely individualized learning opportunities.

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• Spanish support: Language Development Handbooks provide specific resources and tips for building English language proficiency. Plus, the Interactive Student Editions are available in Spanish for every course!
The Glencoe High School Math Series is the only program that supports the Content Standards throughout four years of high school mathematics with an unmatched depth of interactive resources and adaptive technology that helps you differentiate instruction for every student.

- Connects students to math content with print, digital and interactive resources.
- Prepares students to meet rigorous Content Standards with aligned content and focus on Standards of Mathematical Practice.
- Meets the needs of every student with resources that enable you to tailor you instruction at the classroom or individual level.
- Assesses student mastery and achievement with dynamic, digital assessment, and reporting.

The Glencoe High School Math Series enables students flexible interaction with a variety of resources:

- **Interactive Student Guide**: Focused on the Standards of Mathematical Practice and incorporated online, the Interactive Student Guide can be used as an independent eBook or as an assignable lesson resource.
- **Dynamic Digital Tools**: Includes the Geometer’s Sketchpad®, eLessons, eToolkit and more to engage and prepare students for their next step in mathematics.
- **ALEKS®**: An adaptive technology now embedded in the Glencoe High School Series to provide a rich curriculum solution that is differentiated for every student.
- **LearnSmart®**: uses adaptive review with technology-enhanced questions to measure student accuracy, number of attempts, time spent, requests for help and confidence level to predict what course topics a student is most likely to forget and revisits those topics using engaging resources to build retention.
- **ConnectED Mobile App**: Allows convenient access to student and teacher resources, anywhere.
- **McGraw-Hill eAssessment®**: Includes question types for online, secure, and immediate results to monitor student progress.
- **Professional Development**: Built-in resources at the program level featuring best-practices, implementation strategies, alternative teaching practices, and more to stay on pace with ever-changing classroom, technology, and student needs.
Algebra 1, Geometry, Algebra 2

**ALGEBRA 1 TABLE OF CONTENTS**

Algebra 1
- Chapter 0 Preparing for Algebra
- Chapter 1 Expressions and Functions
- Chapter 2 Linear Equations
- Chapter 3 Linear and Nonlinear Functions
- Chapter 4 Equations of Linear Functions
- Chapter 5 Linear Inequalities
- Chapter 6 Systems of Linear Equations and Inequalities
- Chapter 7 Exponents and Exponential Functions
- Chapter 8 Polynomials
- Chapter 9 Quadratic Functions and Equations
- Chapter 10 Statistics

**GEOMETRY TABLE OF CONTENTS**

Geometry
- Chapter 0 Preparing for Geometry
- Chapter 1 Tool of Geometry
- Chapter 2 Logical Arguments and Line Relationships
- Chapter 3 Rigid Transformations and Symmetry
- Chapter 4 Triangles and Congruence
- Chapter 5 Relationships in Triangles
- Chapter 6 Quadrilaterals
- Chapter 7 Similarity
- Chapter 8 Right Triangles and Trigonometry
- Chapter 9 Circles
- Chapter 10 Extending Area
- Chapter 11 Extending Volume
- Chapter 12 Probability

**ALGEBRA 2 TABLE OF CONTENTS**

Algebra 2
- Chapter 0 Preparing for Advanced Algebra
- Chapter 1 Linear Equations
- Chapter 2 Relations and Functions
- Chapter 3 Quadratic Functions
- Chapter 4 Polynomials and Polynomial Functions
- Chapter 5 Inverses and Radical Functions
- Chapter 6 Exponential and Logarithmic Functions
- Chapter 7 Rational Functions
- Chapter 8 Statistics and Probability
- Chapter 9 Trigonometric Functions
- Chapter 10 Trigonometric Identities and Equations
**Precalculus**, the fourth program in the Glencoe High School Series, is built on the same foundation of rigorous content and integration of interactive resources combined with the power of adaptive learning to meet the needs of fourth-year mathematics classrooms.

- Incorporates flexible print, digital and interactive resources in one convenient location for access anytime from school or home.
- Connects real-world concepts and skills to demonstrate relevance to students
- Offers resources and strategies to assist teachers in tailoring instructions that meet the needs of all students
- Provides immediate visibility to student mastery and achievement with built-in, ongoing assessments and reporting

**Resources**

- **Dynamic Digital Tools**: Includes the Geometer’s Sketchpad®, animations, and eToolkit to engage and prepare students for their next step in mathematics.
- **ALEKS®**: An adaptive technology now embedded in the Glencoe High School Series to provide a rich curriculum solution that is differentiated for every student.
- **ConnectED Mobile App**: Allows convenient access to student and teacher resources, anywhere.
- **McGraw-Hill eAssessment®**: Includes additional CCSS-style question types for online, secure, and immediate results to monitor student progress.
- **Professional Development**: Built-in resources at the program level featuring best-practices, implementation strategies, alternative teaching practices, and more to stay on pace with ever-changing classroom, technology, and student needs.

**Connecting Math Content, Rigor, and Adaptive Instruction for Student Success!**

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The custom *Integrated Math* Series from McGraw-Hill Education offers the same benefits as the Glencoe High School Series with an alignment to the Common Core State Standards (CCSS) Integrated Pathway.

- Provides complete alignment to the Common Core State Standards for content
- Offers Math 1–4 for complete mathematics support through four-years of high school
- Delivers resources that are seamlessly integrated for student engagement and reinforcement of understanding
- Supports differentiation with tools available to challenge, support, and enrich every learner
- Supplies integrated assessment tools throughout the program to monitor student understanding and progress

**Resources**

- **Common Core Interactive Student Guide:** Focused on the Standards of Mathematical Practice and incorporated online, the Interactive Student Guide can be used as a classroom collaborative tool or as an assignable lesson resource.
- **Interactive Digital Tools:** Includes the Geometer’s Sketchpad®, eLessons, and eToolkit to engage and immerse students in mathematic investigation and exploration.
- **ConnectED Mobile App:** Allows convenient access to student and teacher resources, anywhere.
- **McGraw-Hill eAssessment®:** Includes additional CCSS-style question types for online, secure, and immediate results to monitor student progress.
Math 4, the final program in the custom Integrated Math Series from McGraw-Hill Education, extends learning for the fourth-year math student and prepares them for their mathematics future.

- Aligns content to the fourth-year integrated pathway of the Common Core State Standards (CCSS)
- Engages students, illustrates abstract concepts, and encourages exploration through robust, interactive, and digital resources
- Supports differentiation with tools available to challenge, support, and enrich every learner
- Supplies integrated assessment tools throughout the program to monitor student understanding and progress

Resources

- **Interactive Digital Tools**: Includes the Geometer’s Sketchpad®, eLessons, and eToolkit to engage and immerse students in mathematic exploration.
- **ConnectED Mobile App**: Allows convenient access to student and teacher resources, anywhere.
- **McGraw-Hill eAssessment®**: Includes additional CCSS-style question types for online, secure, and immediate results to monitor student progress.
The Core-Plus Mathematics program, initially funded by the National Science Foundation (NSF), is a problem-based, four-year integrated high school mathematics series updated to meet the expectations of the Common Core State Standards (CCSS) and reflects iterative cycles of research, design, development, and field-testing.

- Gets to the core of CCSS with an instructional design that incorporates CCSS Mathematical Practices and content alignment across strands: Algebra and Functions, Geometry and Trigonometry, Statistics and Probability, and Discrete Mathematical Modeling
- Connects students with success through real-world contexts and student-centered learning focused on mathematical modeling, problem solving, and application
- Provides a research-based structure with proven success in a wide-range of classrooms and contains updates that reflect changing national standards, advances in technology, and research on student learning

Resources
- Digital Integration: Includes eBook accessibility via ConnectED or the ConnectED mobile app, classroom management tools for instruction, assignments, and resources.
- CPMP-Tools®: A downloadable software suite that provides an easy-to-use spreadsheet Computer Algebraic System (CAS), dynamic geometry, statistics, and simulations as well as most data set files needed to work through the student investigations.
- McGraw-Hill eAssessment®: Provides additional differentiated assessment opportunities and reporting.

COURSE 1-3 TABLE OF CONTENTS

Course 1
- Unit 1 Patterns of Change
- Unit 2 Patterns in Data
- Unit 3 Linear Functions
- Unit 4 Discrete Mathematical Modeling
- Unit 5 Exponential Functions
- Unit 6 Patterns in Shape
- Unit 7 Quadratic Functions
- Unit 8 Patterns in Chance

Course 2
- Unit 1 Functions, Equations, and Systems
- Unit 2 Matrix Methods
- Unit 3 Coordinate Methods
- Unit 4 Regression and Correlation
- Unit 5 Nonlinear Functions and Equations
- Unit 6 Modeling and Optimization
- Unit 7 Trigonometric Methods
- Unit 8 Probability Distributions

Course 3
- Unit 1 Reasoning and Proof
- Unit 2 Inequalities and Linear Programming
- Unit 3 Similarity and Congruence
- Unit 4 Samples and Variation
- Unit 5 Polynomial and Rational Functions
- Unit 6 Circles and Circular Functions
- Unit 7 Recursion and Iteration
- Unit 8 Inverse Functions
The fourth course of the Core-Plus Mathematics program maintains the research-based integrity of the first three courses and continues the mathematics preparation of STEM-oriented students intending to take calculus.

- Builds on the CCSS with an instructional design that incorporates the CCSS Mathematical Practices and extends them to more advanced math topics.
- Focuses on calculus-readiness through the study of advanced topics in the algebra/functions and geometry/trigonometry strands.
- Connects students with success through real-world contexts and student-centered learning focused on mathematical modeling, problem-solving, and application.
- Provides a research-based structure and updates from the first three Core-Plus Mathematics (CCSS Edition) courses, which are based on continuing advances in technology and research for student learning combined with proven success in a wide-range of classrooms.

**Resources**

- **Digital Integration:** Includes eBook accessibility via ConnectED or the ConnectED mobile app, classroom management tools for assignments, homework, and resources.
- **CPMP-Tools®:** A downloadable software suite that provides an easy-to-use spreadsheet Computer Algebraic System (CAS), dynamic geometry, statistics, and simulations as well as most data set files needed to work through the student investigations.
- **McGraw-Hill eAssessment®:** Provides additional differentiated assessment tasks and student performance reporting.

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Transition to College Mathematics and Statistics

**Transition to College Mathematics and Statistics** is an NSF-funded, problem-based, data driven, technology-rich fourth-year capstone course for students planning to major in undergraduate programs or pursue careers that do not require calculus.

- Emphasizes balanced mathematics content designed around the four major branches of mathematical sciences: Algebra and Functions, Statistics and Probability, Discrete Mathematics, and Geometry
- Engages employment-bound students or those planning non-STEM college majors with captivating topics including quantitative modeling, mathematics of the internet, financial mathematics, and more
- Uses real-world contexts and student-centered learning focused on mathematical modeling, problem-solving, and application
- Proven research-based design and evidence of effectiveness with students from single-subject course programs as well as integrated math programs

**Resources**

- **Digital Integration**: Includes eBook accessibility via ConnectED or the ConnectED mobile app, classroom management tools for assignments, homework, and resources.
- **TCMS-Tools®**: A downloadable software suite that provides an easy-to-use spreadsheet Computer Algebraic System (CAS), dynamic geometry, statistics, and simulations as well as most data set files needed to work through the student investigations.
- **McGraw-Hill eAssessment®**: Provides additional differentiated assessment tasks and student performance reporting.

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For students whose mathematical background is limited to algebra, this is the quintessential general statistics text (not intended for AP® Statistics). Elementary Statistics: A Step by Step Approach follows a non-theoretical approach without formal proofs, explaining concepts intuitively and supporting them with abundant examples. Additional features:

- The text ensures relevancy and deepens conceptual understanding by offering real-life problems for students to solve with data projects, statistics today and critical thinking elements.
- ALEKS® 360 can be paired with Elementary Statistics: A Step by Step Approach to help students master the course content via an individualized learning experience tailored to students' unique strengths and weaknesses.
The Miller Algebra Series offers an enlightened approach grounded in the fundamentals of classroom experience. The text communicates the main points teachers make in class to reinforce concepts and provide instruction that lead students to mastery.
Simplify Honors Algebra with the Miller Math Series

Prepare your students to meet the challenges of honors algebra with the new **Miller Math Series** from McGraw-Hill Education. Comprehensive, user-friendly, and flexible, this series features College Algebra, Precalculus, and College Algebra and Trigonometry textbooks, as well as robust digital solutions to fit the needs of your classroom. A variety of exercise sets and step-by-step worked examples help bolster student learning, while strategic callouts, like tip Boxes and Points of Interest, boost confidence. The Miller Math Series also includes modeling and applications that help students relate mathematical concepts to their everyday lives. With five types of graded exercises, like Concept Connections and Problem Recognition, the new Miller Math Series is your powerful, new companion for improving student performance in honors algebra.
About MHE

Our vision is to unlock the full potential of each learner.

Our mission is to accelerate learning through intuitive, engaging, efficient and effective experiences – grounded in research.

At McGraw-Hill Education, we’re passionate about learning. It’s embedded in our DNA. We know that the passion to learn is very personal. Learning something new might enable you to take a new path in life. Or to launch your career, taking you on a whole new trajectory. When you are passionate about learning, the possibilities are endless.

*Where the Science of Learning Meets the Art of Teaching*

Educators always will be at the heart of the learning experience. We partner with educators around the globe to develop better experiences for learners. We help drive success by harnessing content, technology and data to ignite the spark between teaching and learning. And it’s working. Our solutions are proven to improve pass rates, elevate grades and deepen engagement for each individual learner while improving outcomes for all.

*We are a learning science company.*

Grounded in deep insights into how learning happens, we deliver tools, technologies and services that power performance and achievement. Our adaptive technology actively tailors learning to the individual, continually assessing skill and confidence levels, and providing precise direction to fill knowledge gaps and accelerate mastery. Learners now can enjoy products that adapt to their individual learning styles and unique circumstances, with digital tools and mobile access that help them make the most of study time, whenever and wherever they choose. And our analytics empower both learners and educators to make the most of every interaction. Our products, services and solutions are designed to improve learning outcomes.

*Why? Because learning changes everything*. 