Other Mathematics Programs
Adoption Guide Extended

For additional information (e.g. pricing, copyright, ISBN) and Idaho completed evaluations, please contact the curricular materials coordinator.

Materials in this guide are contracted from August 2016-December 31, 2021.

K-5 OTHER MATHEMATICS PROGRAMS

Houghton Mifflin Harcourt

GO Math!

- Grade K
  - Notes: The sole purpose of this program is to build basic math fact fluency.
  - Key Features: GO Math! for Kindergarten through Grade 6 was built from the ground up for the Common Core State Standards (CCSS). The program, available in English and Spanish, provides in-depth instruction with equal emphasis on conceptual understanding, procedural fluency, and real-world application. The program includes a fully integrated digital curriculum that transforms instruction and learning. GO Math! exemplifies best practices in research-based curriculum and the best of today’s educational technology. Over the past five years, Houghton Mifflin Harcourt (HMH) has provided the trusted content of the GO Math! program to over seven million students in every state in the US and in 72 countries. GO Math! was selected as a finalist in the 2015 Revere Awards from the Association of American Publishers (AAP). HMH was honored to have GO Math! identified for its excellence as a high-quality product that supports teaching and learning. Comprehensive digital resources promote mastery and support students, teachers, administrators, and families. The next-generation digital components have been designed specifically with students and teachers in mind, with online and offline accessibility, tutorial videos, interactivities, and adaptive tools available at point-of-use. GO Math! teacher components present new levels of convenience and efficiency around planning, instructing, assigning, and assessing. The program provides rigor and depth with increased accessibility, with the Mathematical Practices embedded in every lesson, interactivity, research-based instructional approaches, and differentiated instructional resources to ensure success for all students. The program comes with our commitment to delivery quality implementation training that meets the needs of your district through comprehensive on-site and online support. GO Math! will help you meet the goals set for Idaho’s students.
GO Math!

• Grade 1
  o **Notes:** The sole purpose of this program is to build basic math fact fluency.
  o **Key Features:** GO Math! for Kindergarten through Grade 6 was built from the ground up for the Common Core State Standards (CCSS). The program, available in English and Spanish, provides in-depth instruction with equal emphasis on conceptual understanding, procedural fluency, and real-world application. The program includes a fully integrated digital curriculum that transforms instruction and learning. GO Math! exemplifies best practices in research-based curriculum and the best of today’s educational technology. Over the past five years, Houghton Mifflin Harcourt (HMH) has provided the trusted content of the GO Math! program to over seven million students in every state in the US and in 72 countries. GO Math! was selected as a finalist in the 2015 Revere Awards from the Association of American Publishers (AAP). HMH was honored to have GO Math! identified for its excellence as a high-quality product that supports teaching and learning. Comprehensive digital resources promote mastery and support students, teachers, administrators, and families. The next-generation digital components have been designed specifically with students and teachers in mind, with online and offline accessibility, tutorial videos, interactivities, and adaptive tools available at point-of-use. GO Math! teacher components present new levels of convenience and efficiency around planning, instructing, assigning, and assessing. The program provides rigor and depth with increased accessibility, with the Mathematical Practices embedded in every lesson, interactivity, research-based instructional approaches, and differentiated instructional resources to ensure success for all students. The program comes with our commitment to delivery quality implementation training that meets the needs of your district through comprehensive on-site and online support. GO Math! will help you meet the goals set for Idaho’s students.

GO Math!

• Grade 2
  o **Notes:** This program meets all of the non-negotiables and most of the alignment criterion. The program is strong with use of instructional strategies, using manipulatives, vocabulary, ELL support, differentiation, assessment, performance tasks, RTI guides, and homework. The program is lacking in mathematical practices as it is weaker in teaching some addition and subtraction concepts, which is a major work in second grade. It also lacks in critiquing the arguments of others having students pick their own tools.
  o **Key Features:** GO Math! for Kindergarten through Grade 6 was built from the ground up for the Common Core State Standards (CCSS). The program, available in English and Spanish, provides in-depth instruction with equal emphasis on conceptual understanding, procedural fluency, and real-world application. The program includes a fully integrated digital curriculum that transforms instruction and learning. GO Math! exemplifies best practices in research-based curriculum and the best of today’s
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The Math Learning Center

Bridges in Mathematics

- **Grade 4**
  - **Strengths:**
    - Number corners connect within clusters and across domains
    - Progression of work from concrete to iconic to symbolic throughout units
    - Conceptual/real world multi-step problems throughout
  - **Weaknesses:**
    - Insufficient practice in student workbooks
    - Spanish is the only option for ELL
    - Practice standards not sufficiently addressed
  - **Key Features:** Bridges in Mathematics is a comprehensive K-5 curriculum that equips teachers to fully implement the Common Core State Standards for Mathematics in a manner that is rigorous, coherent, engaging, and accessible to all learners. The curriculum focuses on developing students’ deep understandings of mathematical concepts, proficiency with key skills, and ability to solve complex and novel problems. Bridges blends direct instruction, structured investigation, and open exploration. It taps into the intelligence and strengths of all students by presenting material that is as linguistically, visually, and kinesthetically rich as it is mathematically powerful.
Bridges in Mathematics

- **Grade 5**
  - **Strengths:**
    - Number corners connect within clusters and across domains
    - Progression of work from concrete to iconic to symbolic throughout units
    - Conceptual/real world multi-step problems throughout
  - **Weaknesses:**
    - Insufficient practice in student workbooks
    - Spanish is the only option for ELL
    - Practice standards not sufficiently addressed
  - **Key Features:** Bridges in Mathematics is a comprehensive K-5 curriculum that equips teachers to fully implement the Common Core State Standards for Mathematics in a manner that is rigorous, coherent, engaging, and accessible to all learners. The curriculum focuses on developing students’ deep understandings of mathematical concepts, proficiency with key skills, and ability to solve complex and novel problems. Bridges blends direct instruction, structured investigation, and open exploration. It taps into the intelligence and strengths of all students by presenting material that is as linguistically, visually, and kinesthetically rich as it is mathematically powerful.

6-8 OTHER MATHEMATICS PROGRAMS

Houghton Mifflin Harcourt

**GO Math!**

- **Grade 6**
  - **Notes:** The connections between clusters and the extensive modeling are strengths for this textbook. There seems to be little conceptual development before moving into procedures. Opportunities for student reasoning come after direct instruction on procedures rather than before procedural instruction. This seems to violate the idea that procedural fluency flows from conceptual understanding.
  - **Key Features:** GO Math! for Kindergarten through Grade 6 was built from the ground up for the Common Core State Standards (CCSS). The program, available in English and Spanish, provides in-depth instruction with equal emphasis on conceptual understanding, procedural fluency, and real-world application. The program includes a fully integrated digital curriculum that transforms instruction and learning. GO Math! exemplifies best practices in research-based curriculum and the best of today’s educational technology. Over the past five years, Houghton Mifflin Harcourt (HMH) has provided the trusted content of the GO Math! program to over seven million students in every state in the US and in 72 countries. GO Math! was selected as a finalist in the 2015 Revere Awards from the Association of American Publishers (AAP). HMH was honored
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9-12 OTHER MATHEMATICS PROGRAMS

Cengage

Financial Algebra: Advanced Algebra with Financial Applications

- Grades 9-12
  - Notes: This curriculum could be very effective as a 4th year course at the high school level if the book is supplemented with resources that are lacking or missing.
  - Strengths:
    - All standards are met
    - More than 50% of the students’ time is spent on the Widely Applicable Prerequisites
    - Connections are made in a purposeful and logical way
    - Table of contents are extremely helpful
    - Numerous opportunities for practice with both procedural and contextual problems
    - Provides many real-world mathematical application problems
    - Scaffolding within lessons is strong
    - General format of book is very engaging and exceptional
  - Weaknesses:
    - Does not note Mathematical Practices
    - Weak on requiring students to make mathematical arguments
    - ELL accommodations are lacking
    - Support for differing instructional approach is missing
  - Key Features: Ideal for 3rd or 4th year math students, Financial Algebra: Advanced Algebra with Financial Applications applies Algebra I concepts in practical business and
personal finance contexts. Aligned to the Common Core State Standards Financial Algebra helps students achieve success by incorporating Algebra I, Algebra II, and Geometry topics. Authors Robert Gerver and Richard Sgroi have spent their 25+ year-careers teaching students of all ability levels and they have found the most success when math is connected to the real world. Financial Algebra encourages students to be actively involved in applying mathematical ideas to their everyday live – credit, banking, insurance, the stock market, independent living, and more! Features include:

- Strong review of Algebra I formulas with variables, equations, functions, systems of equations, graphs, statistics, and more within a financial context your students can relate to. Students see algebra translated into powerful, financially focused, real world problems.
- Students see algebra at work within the most critical areas of finance. Students learn about investments, credit, automobile expenses, insurance, income tax, household budgeting, and more while gaining confidence in working with common algebraic functions.
- Emphasis on problem solving equips students with skills for life. Each chapter provides substantial opportunities to learn and apply a variety of problem solving strategies.
- Really? Really! Chapter Openers immediately capture student attention with fascinating topics that draw students in the chapter’s content. Students conclude each chapter by revisiting the motivational topic.
- Proven applications at the end of each lesson require students to solve problems in a financial context. Real Numbers: You Write the Story strengthens students’ skills in interpreting graphs as they examine a graph and write a story focused around the graph’s information
- Reality Check extends students’ learning experience well beyond the classroom with specific suggestions for research, projects, and hands-on learning.

McGraw-Hill School Education

Glencoe Algebra 2

- Grades 9-12
  - Strengths: Teacher’s Edition is very well-organized with chapter outlines and lesson outlines included. Numerous opportunities for students to practice procedural fluency. Materials include a separate chapter resource book with additional problems, although these aren’t very visually appealing.
- **Weaknesses:** Student exercises clearly focus on procedural fluency with not much effort to include conceptual understanding. Students exercise sets are very long and many teachers may skip the problems that would best emphasize the shifts and major features of the Core Standards. This text addresses all the content standards for Algebra 2. It does not meet the standards for mathematical practices and would not promote strong conceptual understanding.

- **Key Features:** Balanced instruction throughout the Glencoe High School Mathematics Series, including Algebra 1, Geometry, Algebra 2, and Precalculus, emphasizes both understanding and fluency. Features include Key Concept boxes with multiple representations, a four-step problem solving plan, correlation between examples and exercises, word problems within each lesson, reading and vocabulary support, and student-centered activity labs. The Glencoe High School Math Series is a comprehensive program, including all of the major mathematical content strands and mathematical processes. Main Ideas and Key Concepts are highlighted in the Student Edition. The Teacher Edition includes Focus on Mathematical Content for each chapter. This section provides Big Ideas, which explains why the content is important in this chapter and in later studies, and Lesson Summary features, which outline the mathematical ideas of each lesson in the chapter. The Glencoe High School Math Series is carefully aligned with national standards. Each curriculum contains Standardized Test examples and practice problems like those found on standardized tests—within the lessons, the Mid-Chapter Quiz, and the Practice Chapter Test. The Glencoe High School Math Series curriculum is coherent and coordinated. It is vertically aligned between courses and vertically aligned at the lesson level. The Teacher Edition includes a detailed description of vertical alignment for each chapter. The Focus step in each lesson includes the vertical alignment for that lesson. In the Student Edition, Get Ready for the Chapter provides both a diagnostic quiz and a review of related concepts that were previously studied. Dynamic, digital features of the program include an online Interactive Student Guide (Algebra 1, Geometry, and Algebra 2) which provides opportunities for lesson reflection, higher-order thinking, performance tasks and Common Core-style assessment questions; Geometer’s Sketchpad to support visualization of difficult concepts and independent exploration; and optional embedded ALEKS for point-of-use, personalized math support and extension.

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**For Questions Contact**

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