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-12 INTERVENTION MATHEMATICS

Houghton Mifflin Harcourt Intervention Solutions Group

MATH 180 Course I

- Grade 6
  - Notes: This course is great for remediating kids. However, some things seem to be more heavily addressed (fractions) than others (ratios). Homework doesn’t seem to be a big aspect of the program but regular assessment in class is a great bonus. Failure in the non-negotiables resulted in much of the time being spend on lower grade major works that build a foundation for on grade level works.
  - Key Features: MATH 180 is designed to address the needs of struggling students and their teachers equally. It utilizes adaptive software to provide students with personalized instruction and practice, while equipping teachers with an ecosystem of support. Three key principles have been engineered into MATH 180:
    - Effort Leads to Success – Growth Mindset: Many struggling students have given up on math. Working with Carol Dweck’s Mindset Works organization, MATH 180 creates a new growth mindset by showing students that their efforts lead to success.
    - The Key to Unlocking Higher Mathematics – The Core Within the Core: For students who are two or more years behind in math, time is critical. That’s why MATH 180 focuses on deep understanding and mastery of the essential skills and concepts necessary to unlock algebra and advanced mathematics.
    - Dramatically Increase Your Impact – Force Multiplier for Teaching: We know that teachers are the key force behind effective math instruction. MATH 180’s Teaching Ecosystem scaffolds less experienced teachers and provides a wealth of sophisticated supports for veteran math teachers to increase the effectiveness of their instruction.
MATH 180 Course II

- Grade 7
  - Notes: This course is great for remediating kids. However, some things seem to be more heavily addressed (fractions) than others (ratios). Homework doesn’t seem to be a big aspect of the program but regular assessment in class is a great bonus. Failure in the non-negotiables resulted in much of the time being spend on lower grade major works that build a foundation for on grade level works.
  - Key Features: MATH 180 is designed to address the needs of struggling students and their teachers equally. It utilizes adaptive software to provide students with personalized instruction and practice, while equipping teachers with an ecosystem of support. Three key principles have been engineered into MATH 180:
    - Effort Leads to Success – Growth Mindset: Many struggling students have given up on math. Working with Carol Dweck’s Mindset Works organization, MATH 180 creates a new growth mindset by showing students that their efforts lead to success.
    - The Key to Unlocking Higher Mathematics – The Core Within the Core: For students who are two or more years behind in math, time is critical. That’s why MATH 180 focuses on deep understanding and mastery of the essential skills and concepts necessary to unlock algebra and advanced mathematics.
    - Dramatically Increase Your Impact – Force Multiplier for Teaching: We know that teachers are the key force behind effective math instruction. MATH 180’s Teaching Ecosystem scaffolds less experienced teachers and provides a wealth of sophisticated supports for veteran math teachers to increase the effectiveness of their instruction.

McGraw-Hill School Education

Number Worlds Level A

- Grade PreK
  - Notes: Vocabulary flash cards are available to purchase; however, this is not a necessity to the success of the program.
  - Key Features: With a research-proven curriculum and extensive field testing, Number Worlds supports RtI and helps schools meet their academic objectives. As RtI encourages working with at-risk students early on, Number Worlds is the only math intervention curriculum with a built-in prevention program for grades Pre-K to 1. Number Worlds gives students the confidence and skills to excel in math. Best of all, it allows teachers to make a positive difference in their students’ lives. Help struggling students accelerate math success with a proven approach.
    - PREPARE students to meet rigorous Common Core State Standards with proven curriculum and enhanced planning tools.
- ENGAGE students with interactive games, embedded activities, digital resources, and project-based learning.
- ASSESS student achievement with dynamic digital assessment and reporting tools.

Number Worlds Level B

- **Grade K**
  - **Notes:** Vocabulary flash cards are available to purchase; however, this is not a necessity to the success of the program.
  - **Key Features:** With a research-proven curriculum and extensive field testing, Number Worlds supports RtI and helps schools meet their academic objectives. As RtI encourages working with at-risk students early on, Number Worlds is the only math intervention curriculum with a built-in prevention program for grades Pre-K to 1. Number Worlds gives students the confidence and skills to excel in math. Best of all, it allows teachers to make a positive difference in their students’ lives. Help struggling students accelerate math success with a proven approach.
    - PREPARE students to meet rigorous Common Core State Standards with proven curriculum and enhanced planning tools.
    - ENGAGE students with interactive games, embedded activities, digital resources, and project-based learning.
    - ASSESS student achievement with dynamic digital assessment and reporting tools.

Number Worlds Level C

- **Grade 1**
  - **Notes:** Vocabulary flash cards are available to purchase; however, this is not a necessity to the success of the program. This program is a 1st grade intervention program; however, it focuses on Kindergarten major works. It is a concern that students will not be exposed to the 1st grade major works.
  - **Key Features:** With a research-proven curriculum and extensive field testing, Number Worlds supports RtI and helps schools meet their academic objectives. As RtI encourages working with at-risk students early on, Number Worlds is the only math intervention curriculum with a built-in prevention program for grades Pre-K to 1. Number Worlds gives students the confidence and skills to excel in math. Best of all, it allows teachers to make a positive difference in their students’ lives. Help struggling students accelerate math success with a proven approach.
    - PREPARE students to meet rigorous Common Core State Standards with proven curriculum and enhanced planning tools.
    - ENGAGE students with interactive games, embedded activities, digital resources, and project-based learning.
- ASSESS student achievement with dynamic digital assessment and reporting tools.

Number Worlds Level D & E

- Grades K-5
  - Notes: Vocabulary flash cards are available to purchase; however, this is not a necessity to the success of the program.
  - Key Features: With a research-proven curriculum and extensive field testing, Number Worlds supports RtI and helps schools meet their academic objectives. As RtI encourages working with at-risk students early on, Number Worlds is the only math intervention curriculum with a built-in prevention program for grades Pre-K to 1. Number Worlds gives students the confidence and skills to excel in math. Best of all, it allows teachers to make a positive difference in their students’ lives. Help struggling students accelerate math success with a proven approach.
    - PREPARE students to meet rigorous Common Core State Standards with proven curriculum and enhanced planning tools.
    - ENGAGE students with interactive games, embedded activities, digital resources, and project-based learning.
    - ASSESS student achievement with dynamic digital assessment and reporting tools.

Number Worlds Level F

- Grades K-5
  - Notes: The activity cards in the manipulative kit are necessary for each lesson.
  - Strengths: The daily routine provides consistency yet offers a variety of instructional strategies such as grouping, hands-on activities, and student exploration. Number Worlds can be used along with a core mathematics program and includes a “Suggestions for Implementation” guide for teachers that outlines which sections to use depending on the time allotted for intervention: 30, 45, or 60+ minutes. There are effective planning resources for the teacher. Unit overview, charts that show alignment to standards, strong student engagement, Key Standards by Lesson Week charts in the back of the Teacher’s Edition for all grades.
  - Weaknesses: The Mathematical Practices are not explicitly addressed. Students are not asked to provide arguments or defend their work.
  - Key Features: With a research-proven curriculum and extensive field testing, Number Worlds supports RtI and helps schools meet their academic objectives. As RtI encourages working with at-risk students early on, Number Worlds is the only math intervention curriculum with a built-in prevention program for grades Pre-K to 1. Number Worlds gives students the confidence and skills to excel in math. Best of all, it allows teachers to make a positive difference in their students’ lives. Help struggling students accelerate math success with a proven approach.
• PREPARE students to meet rigorous Common Core State Standards with proven curriculum and enhanced planning tools.
• ENGAGE students with interactive games, embedded activities, digital resources, and project-based learning.
• ASSESS student achievement with dynamic digital assessment and reporting tools.

Number Worlds Level G

• Grades K-5
  • Strengths: Format is easy to follow for students. Vocabulary enriches understanding. Assessments are useful in placing students appropriately. Questions that call for explanations are helpful in developing conceptual understanding; problem-solving and daily lessons are useful for procedural understanding. The daily routine provides consistency yet offers a variety of instructional strategies such as grouping, hands-on activities, and student exploration. Number Worlds can be used along with a core mathematics program and includes a “Suggestions for Implementation” guide for teachers that outlines which sections to use depending on the time allotted for intervention: 30, 45, or 60+ minutes. There are effective planning resources for the teacher. Unit overview, charts that show alignment to standards, strong student engagement, Key Standards by Lesson Week charts in the back of the Teacher’s Edition for all grades.
  • Weaknesses: The Mathematical Practices are not explicitly addressed. Students do not have opportunities to create arguments to defend their reasoning. There is a heavy emphasis on procedural fluency. Manipulative kid and teacher’s editions are necessary. Teacher’s Edition references the computer program, Building Blocks.
  • Key Features: With a research-proven curriculum and extensive field testing, Number Worlds supports RtI and helps schools meet their academic objectives. As RtI encourages working with at-risk students early on, Number Worlds is the only math intervention curriculum with a built-in prevention program for grades Pre-K to 1. Number Worlds gives students the confidence and skills to excel in math. Best of all, it allows teachers to make a positive difference in their students’ lives. Help struggling students accelerate math success with a proven approach.
    • PREPARE students to meet rigorous Common Core State Standards with proven curriculum and enhanced planning tools.
    • ENGAGE students with interactive games, embedded activities, digital resources, and project-based learning.
    • ASSESS student achievement with dynamic digital assessment and reporting tools.
Number Worlds Level H

- **Grades 6-8**
  - **Strengths:**
    - Accessible for all students
    - Easy to understand/use for teachers and students
    - Different types of questioning strategies – concrete/basic, abstract/application
  - **Weaknesses:**
    - More support needed to identify Math Practice Standards with the lessons or as a resource (appendix)
  - **Key Features:** With a research-proven curriculum and extensive field testing, Number Worlds supports RtI and helps schools meet their academic objectives. As RtI encourages working with at-risk students early on, Number Worlds is the only math intervention curriculum with a built-in prevention program for grades Pre-K to 1. Number Worlds gives students the confidence and skills to excel in math. Best of all, it allows teachers to make a positive difference in their students’ lives. Help struggling students accelerate math success with a proven approach.
    - PREPARE students to meet rigorous Common Core State Standards with proven curriculum and enhanced planning tools.
    - ENGAGE students with interactive games, embedded activities, digital resources, and project-based learning.
    - ASSESS student achievement with dynamic digital assessment and reporting tools.

Number Worlds Level I

- **Grades 6-8**
  - **Strengths:**
    - Excellent intervention to use for the standards focused on
    - Discovery based
    - High level of engagement
    - Hands on activities
    - Vocabulary cards
    - Pacing guides
  - **Weaknesses:**
    - Student workbook must be purchased in sets of 5
    - Manipulatives must be purchased (Computer component is not necessarily needed)
    - A lot of materials
  - **Key Features:** With a research-proven curriculum and extensive field testing, Number Worlds supports RtI and helps schools meet their academic objectives. As RtI encourages working with at-risk students early on, Number Worlds is the only math intervention curriculum with a built-in prevention program for grades Pre-K to 1.
Number Worlds gives students the confidence and skills to excel in math. Best of all, it allows teachers to make a positive difference in their students’ lives. Help struggling students accelerate math success with a proven approach.

- PREPARE students to meet rigorous Common Core State Standards with proven curriculum and enhanced planning tools.
- ENGAGE students with interactive games, embedded activities, digital resources, and project-based learning.
- ASSESS student achievement with dynamic digital assessment and reporting tools.

Number Worlds Level J

- **Grades 6-8**

  - **Strengths:**
    - Activity based use of manipulatives
    - Good teacher resources (Example-ELL)
    - Very high level of engagement
    - Variety of instructional techniques
  
  - **Weaknesses:**
    - Would like to see a stronger focus on: Functions, Radicals, and Congruence, and Similarity
  
  - **Key Features:** With a research-proven curriculum and extensive field testing, Number Worlds supports RtI and helps schools meet their academic objectives. As RtI encourages working with at-risk students early on, Number Worlds is the only math intervention curriculum with a built-in prevention program for grades Pre-K to 1.

Number Worlds gives students the confidence and skills to excel in math. Best of all, it allows teachers to make a positive difference in their students’ lives. Help struggling students accelerate math success with a proven approach.

- PREPARE students to meet rigorous Common Core State Standards with proven curriculum and enhanced planning tools.
- ENGAGE students with interactive games, embedded activities, digital resources, and project-based learning.
- ASSESS student achievement with dynamic digital assessment and reporting tools.

---

**For Questions Contact**

Content & Curriculum
Idaho State Department of Education
650 W State Street, Boise, ID 83702
208 332 6800 | www.sde.idaho.gov