Core Mathematics
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 CORE MATHEMATICS

Curriculum Associates

Ready Common Core Mathematics

- Grade K
  - Notes:
    - Manipulatives have to be purchased separately and Professional Development is strongly encouraged.
  - Strengths:
    - The online portion of the curriculum is user friendly
    - Interactive activities are fun and engaging for the students although there are not interactive activities for every lesson
    - Hands on activity in every lesson
    - Vertically and horizontally aligned to CCSS
    - Prerequisite skill for every lesson
    - Learning progression always aligned
    - Challenge activities, justification questions, lots of place value activities, ten frames and number bonds, fluency for most lessons
  - Weaknesses:
    - There are no manipulatives provided with the curriculum
    - Geometry and measurement/data units are very brief and short. You need to supplement.
  - Key Features: Curriculum Associates' solution is research-based and proven to yield measurable improvements in students' performance against the more challenging Common Core State Standards (CCSS). Combining valid and reliable assessment, rigorous core instruction, and meaningful practice, intervention, and enrichment for those who need it, this approach includes Ready Common Core and i-Ready Diagnostic & Instruction:
    - Diagnose: Identify student needs at the sub-skill level, based on the expectations of the Common Core and Idaho state standards with the computer-adaptive i-Ready Diagnostic assessment (three times each academic year—beginning, mid, and end).
    - Whole-class instruction: Use Ready Common Core print materials as the core day-to-day mathematics curriculum.
    - Differentiate: Use the teacher-friendly reports from i-Ready Diagnostic reports to identify specific resources and lessons for individual and small group intervention within Ready Common Core print program.
• **Independent instruction, practice, and homework:** Use the *Practice and Problem Solving Book* and *i-Ready Instruction*.

• **Progress monitoring:** Track student progress via *Ready Assessments* and *i-Ready*s web-based diagnostic, interim growth monitoring, embedded progress monitoring, and standards mastery assessments.

Key features of these programs are summarized in the list below.

• **Ready Common Core** is a rigorous, on-grade level instruction and practice program for mathematics that fully prepares students for the Idaho Core State Standards for mathematics. Highly supportive for students, *Ready* also provides teachers of all backgrounds and experience levels with step-by-step, point-of-use professional development to teach the standards most effectively.

• Specifically designed and developed for the Common Core, *Ready Common Core* and *i-Ready Diagnostic & Instruction* reflect the Common Core Publishers' Criteria, learning progression documents, and the guidance from the Smarter Balanced Assessment Consortium. The solution provides print and online resources (including interactive whiteboard lessons) to differentiate instruction for students across the performance spectrum.

• The *Ready Mathematics* Student Books contain two types of lessons—concept and skills lessons. The “Focus on Math Concepts” lessons encourage students to pause from the procedural and just concentrate on the conceptual, while the “Develop Skills and Strategies” lessons build students’ fluency by leading students to develop, practice, and apply new skills to solve problems.

• The *Ready Mathematics* Student Books expose students to multiple representations—to measure whether or not students have gained a deep understanding of a mathematical concept, assessment items must include multiple representations. EngageNY.org specifies three “buckets” of multiple representations:

• **Procedural Skills:** These apply to standards that reference verbs such as compute, solve, identify, interpret, use, make, and find solutions. Procedural representations are most often multiple-choice questions that require students to apply and identify mathematical processes in various ways.

• **Conceptual Understanding:** These representations use verbs such as understand, explain, represent, and describe when applied to standards, which results in students having to combine mathematical practices.

• **Application:** Unique to the Common Core, application standards are represented by tasks. In general, in order to complete these tasks, students must use both procedural knowledge and conceptual understanding.

The *Ready* program addresses all three of the multiple representations buckets. Both the Develop Skills and Strategies lessons and the Focus on Math Concepts lessons use language such as solve, identify, and use, while the Focus on Math Concepts lessons encourage students to understand and explain. The Performance Tasks at the end of every unit make sure students are able to combine procedural knowledge and conceptual understanding.

• The teacher-led Mathematical Discourse feature in the *Ready* lessons guides collaborative reasoning and the exchange of ideas and mathematical arguments. Lessons also provide error analysis exercises that ask students to examine a fictional student’s wrong answer. There are also multiple opportunities throughout each lesson to explain and communicate reasoning.

• With the rigor to teach and assess the CCSS, *Ready Common Core* Depth of Knowledge (DOK) item distributions are based on item specifications from Smarter Balanced and were evaluated using the Smarter Balanced Cognitive Rigor Matrix. There is a natural progression within the *Ready* lessons that aligns DOK levels with the standards (analyzing, integrating, synthesizing).

• The *Practice and Problem Solving Book*—which extends learning with activities and games that provide repeated opportunities for students to develop understanding and fluency of key skills and concepts—can be used for independent practice in class, after school, or at home. A family letter for every lesson helps parents or caregivers understand the content and participate in the lesson activity with their child. Rigorous performance tasks ask students to integrate concepts and skills from multiple standards within the unit to solve multi-step problems, and computation practice worksheets at the end of the book require students to demonstrate procedural fluency.

• For grades K–1, *Ready* helps young learners build the conceptual understanding needed to tackle more complex mathematical concepts. Each lesson begins with an engaging group activity that draws upon prior knowledge, then moves to interactive pictorial representations of the same skill or concept, while encouraging students to show their thinking.

• For grades 2–5, Math in Action lessons at the end of every unit teach students how to solve performance tasks and require the integration of multiple standards. The Standards for Mathematical Practice Handbook in the student book makes mathematical habits of mind truly accessible. The Student Glossary embeds additional vocabulary support and enhances explicit vocabulary instruction. Lesson Quizzes in the *Teacher Toolbox* provide opportunities to assess mastery of the standard taught on the lesson.

• *i-Ready Diagnostic* computer-adaptive assessments collect a broad spectrum of data on students’ abilities, identify areas where learners are struggling, measure growth across each student’s K–12 career, and prescribe an instructional path that includes explicit next steps for teacher-led and online instruction.

• *Ready Assessments* (print) and *i-Ready Diagnostic* (online) prepare students for more complex statewide assessments with technology-enhanced items, full-length practice tests, and interim assessments that include performance tasks.

• The online, fixed-form *i-Ready Standards Mastery* assessments for grades 2–8 provide targeted insight into each student’s mastery of individual, grade-level standards through a blend of constructed-response, open-ended response, and selected-response items plus a broad range of media with embedded audio, video, and imagery.
The comprehensive Ready Teacher Resource Book supports teachers of all experience levels with point-of-impact professional learning—every page delivers critical background knowledge (including the Common Core learning progression and prerequisite skills). Throughout, the guide embeds best-practice teaching tips—such as integrating questions to lead meaningful classroom discussions, interactive listening and media activities to encourage real-world connections, and opportunities for students to explain their thinking and demonstrate their understanding of concepts—and explicit guidance on diagnosing student needs and differentiating instruction for a diverse range of learners (including English language learners) and learning styles.

Ready Common Core Mathematics

- Grade 1
  - Notes:
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      - Diagnose: Identify student needs at the sub-skill level, based on the expectations of the Common Core and Idaho state standards with the computer-adaptive i-Ready Diagnostic assessment (three times each academic year—beginning, mid, and end).
      - Whole-class instruction: Use Ready Common Core print materials as the core day-to-day mathematics curriculum.
      - Differentiate: Use the teacher-friendly reports from i-Ready Diagnostic reports to identify specific resources and lessons for individual and small group intervention within Ready Common Core print program.
      - Independent instruction, practice, and homework: Use the Practice and Problem Solving Book and i-Ready Instruction.
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- Ready Common Core is a rigorous, on-grade level instruction and practice program for mathematics that fully prepares students for the Idaho Core State Standards for mathematics. Highly supportive for students, Ready also provides teachers of all backgrounds and experience levels with step-by-step, point-of-use professional development to teach the standards most effectively.
- Specifically designed and developed for the Common Core, Ready Common Core and i-Ready Diagnostic & Instruction reflect the Common Core Publishers' Criteria, learning progression documents, and the guidance from the Smarter Balanced Assessment Consortium. The solution provides print and online resources (including interactive whiteboard lessons) to differentiate instruction for students across the performance spectrum.
- The Ready Mathematics Student Books contain two types of lessons—concept and skills lessons. The “Focus on Math Concepts” lessons encourage students to pause from the procedural and just concentrate on the conceptual, while the “Develop Skills and Strategies” lessons build students’ fluency by leading students to develop, practice, and apply new skills to solve problems.
- The Ready Mathematics Student Books expose students to multiple representations—to measure whether or not students have gained a deep understanding of a mathematical concept, assessment items must include multiple representations. EngageNY.org specifies three “buckets” of multiple representations:
  - Procedural Skills: These apply to standards that reference verbs such as compute, solve, identify, interpret, use, make, and find solutions. Procedural representations are most often multiple-choice questions that require students to apply and identify mathematical processes in various ways.
  - Conceptual Understanding: These representations use verbs such as understand, explain, represent, and describe when applied to standards, which results in students having to combine mathematical practices.
  - Application: Unique to the Common Core, application standards are represented by tasks. In general, in order to complete these tasks, students must use both procedural knowledge and conceptual understanding.

The Ready program addresses all three of the multiple representations buckets. Both the Develop Skills and Strategies lessons and the Focus on Math Concepts lessons use language such as solve, identify, and use, while the Focus on Math Concepts lessons encourage students to understand and explain. The Performance Tasks at the end of every unit make sure students are able to combine procedural knowledge and conceptual understanding.
• The teacher-led Mathematical Discourse feature in the *Ready* lessons guides collaborative reasoning and the exchange of ideas and mathematical arguments. Lessons also provide error analysis exercises that ask students to examine a fictional student’s wrong answer. There are also multiple opportunities throughout each lesson to explain and communicate reasoning.

• With the rigor to teach and assess the CCSS, *Ready Common Core* Depth of Knowledge (DOK) item distributions are based on item specifications from Smarter Balanced and were evaluated using the Smarter Balanced Cognitive Rigor Matrix. There is a natural progression within the *Ready* lessons that aligns DOK levels with the standards (analyzing, integrating, synthesizing).

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• For grades K–1, *Ready* helps young learners build the conceptual understanding needed to tackle more complex mathematical concepts. Each lesson begins with an engaging group activity that draws upon prior knowledge, then moves to interactive pictorial representations of the same skill or concept, while encouraging students to show their thinking.

• For grades 2–5, Math in Action lessons at the end of every unit teach students how to solve performance tasks and require the integration of multiple standards. The Standards for Mathematical Practice Handbook in the student book makes mathematical habits of mind truly accessible. The Student Glossary embeds additional vocabulary support and enhances explicit vocabulary instruction. Lesson Quizzes in the *Teacher Toolbox* provide opportunities to assess mastery of the standard taught on the lesson.

• *i-Ready Diagnostic* computer-adaptive assessments collect a broad spectrum of data on students’ abilities, identify areas where learners are struggling, measure growth across each student’s K-12 career, and prescribe an instructional path that includes explicit next steps for teacher-led and online instruction. *Ready Assessments* (print) and *i-Ready Diagnostic* (online) prepare students for more complex statewide assessments with technology-enhanced items, full-length practice tests, and interim assessments that include performance tasks.

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The comprehensive *Ready Teacher Resource Book* supports teachers of all experience levels with point-of-impact professional learning—every page delivers critical background knowledge (including the Common Core learning progression and prerequisite skills). Throughout, the guide embeds best-practice teaching tips—such as integrating questions to lead meaningful classroom discussions, interactive listening and media activities to encourage real-world connections, and opportunities for students to explain their thinking and demonstrate their understanding of concepts—and explicit guidance on diagnosing student needs and differentiating instruction for a diverse range of learners (including English language learners) and learning styles.

**Ready Common Core Mathematics**

+ **Grade 2**
  + Notes:
    - Manipulatives have to be purchased separately and Professional Development is strongly encouraged.
  + Strengths:
    - Materials comprehensively and coherently align to Content Standards
    - Materials comprehensively and coherently attend to and embed Practice Standards in engaging ways for both teacher and students
    - Format of materials (teacher, student, and parent) enhances engagement, mathematical understandings and navigation of materials
    - Diagnostic, formative, and summative assessment is well supported
    - All levels of DOK are present in meaningful ways
    - Materials have useful/purposefully-aligned parent supports
  + Weaknesses:
    - The comprehensive nature of the material is a strength; however, accompanying this strength is the responsibility of teachers/districts to fully understand the components, supports and learning opportunities found in the materials. It might be difficult for teachers
The lessons and the Focus on Math Concepts lessons use language such as students are able to combine procedural knowledge and conceptual understanding. Concepts lessons encourage students to understand and communicate reasoning.

Key features of these programs are summarized in the list below.

- **Ready Common Core** is a rigorous, on-grade level instruction and practice program for mathematics that fully prepares students for the Idaho Core State Standards for mathematics. Highly supportive for students, Ready also provides teachers of all backgrounds and experience levels with step-by-step, point-of-use professional development to teach the standards most effectively.

- Specifically designed and developed for the Common Core, **Ready Common Core and i-Ready Diagnostic & Instruction** reflect the Common Core Publishers’ Criteria, learning progression documents, and the guidance from the Smarter Balanced Assessment Consortium. The solution provides print and online resources (including interactive whiteboard lessons) to differentiate instruction for students across the performance spectrum.

- The **Ready Mathematics** Student Books contain two types of lessons—concept and skills lessons. The “Focus on Math Concepts” lessons encourage students to pause from the procedural and just concentrate on the conceptual, while the “Develop Skills and Strategies” lessons build students’ fluency by leading students to practice, develop, and apply new skills to solve problems.

- The **Ready Mathematics** Student Books expose students to multiple representations—to measure whether or not students have gained a deep understanding of a mathematical concept, assessment items must include multiple representations. EngageNY.org specifies three “buckets” of multiple representations:
  - **Procedural Skills:** These apply to standards that reference verbs such as compute, solve, identify, interpret, use, make, and find solutions. Procedural representations are most often multiple-choice questions that require students to apply and identify mathematical processes in various ways.
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  - **Application:** Unique to the Common Core, application standards are represented by tasks. In general, in order to complete these tasks, students must use both procedural knowledge and conceptual understanding.

The **Ready** program addresses all three of the multiple representations buckets. Both the Develop Skills and Strategies lessons and the Focus on Math Concepts lessons use language such as solve, identify, and use, while the Focus on Math Concepts lessons encourage students to understand and explain. The Performance Tasks at the end of every unit make sure students are able to combine procedural knowledge and conceptual understanding.

- The teacher-led Mathematical Discourse feature in the **Ready** lessons guides collaborative reasoning and the exchange of ideas and mathematical arguments. Lessons also provide error analysis exercises that ask students to examine a fictional student’s wrong answer. There are also multiple opportunities throughout each lesson to explain and communicate reasoning.

- With the rigor to teach and assess the CCSS, **Ready Common Core Depth of Knowledge (DOK)** item distributions are based on item specifications from Smarter Balanced and were evaluated using the Smarter Balanced Cognitive Rigor Matrix. There is a natural progression within the **Ready** lessons that aligns DOK levels with the standards (analyzing, integrating, synthesizing).

- The **Practice and Problem Solving Book**—which extends learning with activities and games that provide repeated opportunities for students to develop understanding and fluency of key skills and concepts—can be used for independent practice in class, after school, or at home. A family letter for every lesson helps parents or caregivers understand the content and participate in the lesson activity with their child. Rigorous performance tasks ask students to integrate concepts and skills from multiple standards within the unit to solve multi-step problems, and computation practice worksheets at the end of the book require students to demonstrate procedural fluency.
• For grades K–1, *Ready* helps young learners build the conceptual understanding needed to tackle more complex mathematical concepts. Each lesson begins with an engaging group activity that draws upon prior knowledge, then moves to interactive pictorial representations of the same skill or concept, while encouraging students to show their thinking.

• For grades 2–5, Math in Action lessons at the end of every unit teach students how to solve performance tasks and require the integration of multiple standards. The Standards for Mathematical Practice Handbook in the student book makes mathematical habits of mind truly accessible. The Student Glossary embeds additional vocabulary support and enhances explicit vocabulary instruction. Lesson Quizzes in the *Teacher Toolbox* provide opportunities to assess mastery of the standard taught on the lesson.

• *i-Ready Diagnostic* computer-adaptive assessments collect a broad spectrum of data on students’ abilities, identify areas where learners are struggling, measure growth across each student’s K-12 career, and prescribe an instructional path that includes explicit next steps for teacher-led and online instruction.

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The comprehensive *Ready Teacher Resource Book* supports teachers of all experience levels with point-of-impact professional learning—every page delivers critical background knowledge (including the Common Core learning progression and prerequisite skills). Throughout, the guide embeds best-practice teaching tips—such as integrating questions to lead meaningful classroom discussions, interactive listening and media activities to encourage real-world connections, and opportunities for students to explain their thinking and demonstrate their understanding of concepts—and explicit guidance on diagnosing student needs and differentiating instruction for a diverse range of learners (including English language learners) and learning styles.

**Ready Common Core Mathematics**

**Grade 3**

○ **Notes:**
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○ **Strengths:**
  - Materials comprehensively and coherently align to Content Standards
  - Materials comprehensively and coherently attend to and embed Practice Standards in engaging ways for both teacher and students
  - Format of materials (teacher, student, and parent) enhances engagement, mathematical understandings and navigation of materials
  - Diagnostic, formative, and summative assessment is well supported
  - All levels of DOK are present in meaningful ways
  - Materials have useful/purposefully-aligned parent supports

○ **Weaknesses:**
  - The comprehensive nature of the material is a strength; however, accompanying this strength is the responsibility of teachers/districts to fully understand the components, supports and learning opportunities found in the materials. It might be difficult for teachers to realize the full breadth and depth of these materials without professional development/training.

○ **Key Features:** Curriculum Associates’ solution is research-based and proven to yield measurable improvements in students’ performance against the more challenging Common Core State Standards (CCSS). Combining valid and reliable assessment, rigorous core instruction, and meaningful practice, intervention, and enrichment for those who need it, this approach includes *Ready Common Core and i-Ready Diagnostic & Instruction*:
  - **Diagnose:** Identify student needs at the sub-skill level, based on the expectations of the Common Core and Idaho state standards with the computer-adaptive *i-Ready Diagnostic* assessment (three times each academic year—beginning, mid, and end).
The lessons and the Focus on Math Concepts lessons use language such as students are able to combine procedural knowledge and conceptual understanding.

For grades K–1, the Ready Mathematics Student Books contain two types of lessons—concept and skills lessons. The “Focus on Math Concepts” lessons encourage students to pause from the procedural and just concentrate on the conceptual, while the “Develop Skills and Strategies” lessons build students’ fluency by leading students to develop, practice, and apply new skills to solve problems.

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The teacher-led Mathematical Discourse feature in the Ready lessons guides collaborative reasoning and the exchange of ideas and mathematical arguments. Lessons also provide error analysis exercises that ask students to examine a fictional student’s wrong answer. There are also multiple opportunities throughout each lesson to explain and communicate reasoning.

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**Ready Common Core Mathematics**

• **Grade 4**

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**Ready Common Core Mathematics**

- **Grade 5**
  - **Notes:**
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The Ready Mathematics Student Books contain two types of lessons—concept and skills lessons. Both the Develop Skills and Strategies lessons and the Focus on Math Concepts lessons use language such as solve, identify, and use, while the Focus on Math Concepts lessons encourage students to understand and explain. The Performance Tasks at the end of every unit make sure students are able to combine procedural knowledge and conceptual understanding.

The Ready program addresses all three of the multiple representations buckets. Both the Develop Skills and Strategies lessons and the Focus on Math Concepts lessons use language such as solve, identify, and use, while the Focus on Math Concepts lessons encourage students to understand and explain. The Performance Tasks at the end of every unit make sure students are able to combine procedural knowledge and conceptual understanding.

• The teacher-led Mathematical Discourse feature in the Ready lessons guides collaborative reasoning and the exchange of ideas and mathematical arguments. Lessons also provide error analysis exercises that ask students to examine a fictional student’s wrong answer. There are also multiple opportunities throughout each lesson to explain and communicate reasoning.

• With the rigor to teach and assess the CCSS, Ready Common Core Depth of Knowledge (DOK) item distributions are based on item specifications from Smarter Balanced and were evaluated using the Smarter Balanced Cognitive Rigor Matrix. There is a natural progression within the Ready lessons that aligns DOK levels with the standards (analyzing, integrating, synthesizing).

• The Practice and Problem Solving Book—which extends learning with activities and games that provide repeated opportunities for students to develop understanding and fluency of key skills and concepts—can be used for independent practice in class, after school, or at home. A family letter for every lesson helps parents or caregivers understand the content and participate in the lesson activity with their child. Rigorous performance tasks ask students to integrate concepts and skills from multiple standards within the unit to solve multi-step problems, and computation practice worksheets at the end of the book require students to demonstrate procedural fluency.

• For grades K–1, Ready helps young learners build the conceptual understanding needed to tackle more complex mathematical concepts. Each lesson begins with an engaging group activity that draws upon prior knowledge, then moves to interactive pictorial representations of the same skill or concept, while encouraging students to show their thinking.

• For grades 2–5, Math in Action lessons at the end of every unit teach students how to solve performance tasks and require the integration of multiple standards. The Standards for Mathematical Practice Handbook in the student book makes mathematical habits of mind truly accessible. The Student Glossary embeds additional vocabulary support and enhances explicit vocabulary instruction. Lesson Quizzes in the Teacher Toolbox provide opportunities to assess mastery of the standard taught on the lesson.

• i-Ready Diagnostic computer-adaptive assessments collect a broad spectrum of data on students’ abilities, identify areas where learners are struggling, measure growth across each student’s K-12 career, and prescribe an instructional path that includes explicit next steps for teacher-led and online instruction.

Key features of these programs are summarized in the list below.

- Ready Common Core is a rigorous, on-grade level instruction and practice program for mathematics that fully prepares students for the Idaho Core State Standards for mathematics. Highly supportive for students, Ready also provides teachers of all backgrounds and experience levels with step-by-step, point-of-use professional development to teach the standards most effectively.

- Specifically designed and developed for the Common Core, Ready Common Core and i-Ready Diagnostic & Instruction reflect the Common Core Publishers’ Criteria, learning progression documents, and the guidance from the Smarter Balanced Assessment Consortium. The solution provides print and online resources (including interactive whiteboard lessons) to differentiate instruction for students across the performance spectrum.

- The Ready Mathematics Student Books contain two types of lessons—concept and skills lessons. The “Focus on Math Concepts” lessons encourage students to pause from the procedural and just concentrate on the conceptual, while the “Develop Skills and Strategies” lessons build students’ fluency by leading students to develop, practice, and apply new skills to solve problems.

- The Ready Mathematics Student Books expose students to multiple representations—to measure whether or not students have gained a deep understanding of a mathematical concept, assessment items must include multiple representations. EngageNY.org specifies three “buckets” of multiple representations:

  • Procedural Skills: These apply to standards that reference verbs such as compute, solve, identify, interpret, use, make, and find solutions. Procedural representations are most often multiple-choice questions that require students to apply and identify mathematical processes in various ways.

  • Conceptual Understanding: These representations use verbs such as understand, explain, represent, and describe when applied to standards, which results in students having to combine mathematical practices.

  • Application: Unique to the Ready Core Concept, assessment standards are represented by tasks. In general, in order to complete these tasks, students must use both procedural knowledge and conceptual understanding.

The Ready program addresses all three of the multiple representations buckets. Both the Develop Skills and Strategies lessons and the Focus on Math Concepts lessons use language such as solve, identify, and use, while the Focus on Math Concepts lessons encourage students to understand and explain. The Performance Tasks at the end of every unit make sure students are able to combine procedural knowledge and conceptual understanding.
• *Ready Assessments* (print) and *i-Ready Diagnostic* (online) prepare students for more complex statewide assessments with technology-enhanced items, full-length practice tests, and interim assessments that include performance tasks.
• The online, fixed-form *i-Ready Standards Mastery* assessments for grades 2–8 provide targeted insight into each student’s mastery of individual, grade-level standards through a blend of constructed-response, open-ended response, and selected-response items plus a broad range of media with embedded audio, video, and imagery.

The comprehensive *Ready Teacher Resource Book* supports teachers of all experience levels with point-of-impact professional learning—every page delivers critical background knowledge (including the Common Core learning progression and prerequisite skills). Throughout, the guide embeds best-practice teaching tips—such as integrating questions to lead meaningful classroom discussions, interactive listening and media activities to encourage real-world connections, and opportunities for students to explain their thinking and demonstrate their understanding of concepts—and explicit guidance on diagnosing student needs and differentiating instruction for a diverse range of learners (including English language learners) and learning styles.

### Great Minds

**Eureka Math – A Story of Units Grade K**

- **Grade K**
  - **Key Features:** The Eureka Math elementary mathematics curriculum, *A Story of Units*®, offers print and digital components for teachers and students, as well as live and online professional development for teachers and support resources for parents. Spanish translations of student-facing materials will be available to support the 2016-2017 school year.

**Eureka Math – A Story of Units Grade 1**

- **Grade 1**
  - **Notes:** Lack of color and graphics may lend itself to less engagement. Recommend that program be adopted in its entirety to lay a good foundation for later grades.
  - **Key Features:** The Eureka Math elementary mathematics curriculum, *A Story of Units*®, offers print and digital components for teachers and students, as well as live and online professional development for teachers and support resources for parents. Spanish translations of student-facing materials will be available to support the 2016-2017 school year.

**Eureka Math – A Story of Units Grade 2**

- **Grade 2**
  - **Notes:** Due to the rigor of the program, it is recommended to use as a K-5/K-8 program—not just in 2nd grade.
  - **Key Features:** The Eureka Math elementary mathematics curriculum, *A Story of Units*®, offers print and digital components for teachers and students, as well as live and online professional development for teachers and support resources for parents. Spanish translations of student-facing materials will be available to support the 2016-2017 school year.

**Eureka Math – A Story of Units Grade 3**

- **Grade 3**
  - **Notes:** Eureka Math appears to be written specifically with the standards in mind. Each module builds upon concepts learned across lessons and grade levels. It focuses a great deal of time on building conceptual understanding and giving students the opportunities to practice these skills and build on them to mastery. Many supports are provided for teachers, students, and families through the Great Minds website.
**Eureka Math – A Story of Units Grade 4**

- **Grade 4**
  - **Notes:** It is essential for this curriculum to be adopted in K-6 if it is going to be used in 7-12. Because it is such a rigorous program, 7-12 programs need the foundational skills taught in K-6. Eureka Math appears to be written specifically with the standards in mind. Each module builds upon concepts learned across lessons and grade levels. It focuses a great deal of time on building conceptual understanding and giving students the opportunities to practice these skills and build on them to mastery. Many supports are provided for teachers, students, and families through the Great Minds website.

- **Key Features:** The Eureka Math elementary mathematics curriculum, A Story of Units®, offers print and digital components for teachers and students, as well as live and online professional development for teachers and support resources for parents. Spanish translations of student-facing materials will be available to support the 2016-2017 school year.

**Eureka Math – A Story of Units Grade 5**

- **Grade 5**
  - **Notes:** The curriculum needs to be adopted in K-5 or K-6 so that it can be transferred to 7-12. This program starts in kindergarten and follows strict patterns for building foundational skills. Eureka Math appears to be written specifically with the standards in mind. Each module builds upon concepts learned across lessons and grade levels. It focuses a great deal of time on building conceptual understanding and giving students the opportunities to practice these skills and build on them to mastery. Many supports are provided for teachers, students, and families through the Great Minds website.

- **Key Features:** The Eureka Math elementary mathematics curriculum, A Story of Units®, offers print and digital components for teachers and students, as well as live and online professional development for teachers and support resources for parents. Spanish translations of student-facing materials will be available to support the 2016-2017 school year.

**Houghton Mifflin Harcourt**

**Houghton Mifflin Harcourt Math Expressions**

- **Grade K**
  - **Strengths:**
    - Teacher materials allow the teacher to understand the layout of the unit(s) with ease
    - Vocabulary and world problems were engaging and age appropriate
    - Sub/new teachers could easily pick up and teach a lesson without too much stress
  - **Weaknesses:**
    - It would be nice if Puzzled Penguin is right sometimes to make students think about the complexity of the concept
  - **Key Features:**

    *Math Expressions* is a comprehensive mathematics curriculum for Kindergarten through Grade 6 that offers new ways to teach and learn mathematics. It follows the most recent recommendations for effective math
instruction and aligns with many state standards and supports the Common Core State Standards. Math Expressions is:

- Comprehensive, research-based program that is fully aligned to the **Common Core State Standards** and **Learning Progressions**
- Written by well-respected researcher and author, **Dr. Karen Fuson**, who contributed to the research base for the CCSS, participated on the CCSS Mathematical Feedback Committees and is a writer of the Learning Progressions for the CCSS in Mathematics Document
- Combines the most powerful elements of standards-based instruction with the most effective methods of traditional approaches
- Emphasizes **deeper understanding** through real-world problems, modeling, Math Talk, and exploration in order to build ideas that make sense to students
- Students study a small number of mathematical concepts in order to have time to develop the knowledge to build in-depth understanding of big ideas
- Teachers create an **exploratory environment** and encourage constructive discussion. Student invent, question, model and represent, but also learn and practice important math strategies
- Through daily **Math Talk**, students explain methods and in turn, become more fluent in them.
- Math Talk is supported with math boards and manipulatives to develop conceptual learning and fluency
- Mathematics content and models connect and build across grade levels to provide a progression of teaching and learning that aligns precisely with the CCSS
- As students confidence and experience build, use of modeling, repeated reasoning, and abstract thinking grow, leading to mastery of hallmark CCSS **Mathematical Practice Standards**

**Extensive teaching materials** include research and math background with the Common Core Learning Progressions and Mathematical Practices clearly identified

**Houghton Mifflin Harcourt Math Expressions**

- **Grade 1**
  - **Strengths:**
    - Teacher materials allow the teacher to understand the layout of the unit(s) with ease
    - Vocabulary and world problems were engaging and age appropriate
    - Sub, new teachers could easily pick up and teach a lesson without too much stress
  - **Weaknesses:**
    - It would be nice if Puzzled Penguin is right sometimes to make students think about the complexity of the concept
  - **Key Features:**

**Math Expressions** is a comprehensive mathematics curriculum for Kindergarten through Grade 6 that offers new ways to teach and learn mathematics. It follows the most recent recommendations for effective math instruction and aligns with many state standards and supports the Common Core State Standards. Math Expressions is:

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thinking grow, leading to mastery of hallmark CCSS **Mathematical Practice Standards**

**Houghton Mifflin Harcourt Math Expressions**

• **Grade 2**
  o **Strengths:**
    ▪ Curriculum provides detailed lessons that can be taught by all teachers with ease and
      fidelity, including first year teachers, new to grade teachers, and substitute teachers. It
      also provides a detailed coherent across grade level plan so teachers can see the
      expectation from grade level to grade level. Support for ALL learners can be found on
      EVERY lesson, allowing teachers to find the applicable level of intervention for their
      students.
  o **Weaknesses:**
    ▪ It would be nice if Puzzled Penguin could be right sometimes, instead of always wrong.
      This would allow students to construct viable arguments as to why he is right.
  o **Key Features:**

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As students confidence and experience build, use of modeling, repeated reasoning, and abstract
thinking grow, leading to mastery of hallmark CCSS **Mathematical Practice Standards**

**Houghton Mifflin Harcourt Math Expressions**

• **Grade 3**
  o **Notes:** 3rd Grade moved into standard algorithms quite quickly
  o **Key Features:**

**Math Expressions** is a comprehensive mathematics curriculum for Kindergarten through Grade 6 that offers
new ways to teach and learn mathematics. It follows the most recent recommendations for effective math
instruction and aligns with many state standards and supports the Common Core State Standards. Math Expressions is:

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- Mathematics content and models connect and build across grade levels to provide a progression of teaching and learning that aligns precisely with the CCSS

As students’ confidence and experience build, use of modeling, repeated reasoning, and abstract thinking grow, leading to mastery of hallmark CCSS Mathematical Practice Standards

Houghton Mifflin Harcourt Math Expressions

- **Grade 4**
  - **Strengths:**
    - Focus on grade level standards (major work)
    - Focus on and support of mathematical practices with each lesson
    - Use of manipulatives to model and develop conceptual understanding
    - Multiple supports for differentiation (for teacher and student)
  - **Weaknesses:**
    - Lack of independent conceptual work (not teacher lead)
    - Overabundance and time on fluency/bare problems
    - Lack of connection from conceptual work to independent exercises (connect fluency work with conceptual work)

- **Key Features:**

  *Math Expressions* is a comprehensive mathematics curriculum for Kindergarten through Grade 6 that offers new ways to teach and learn mathematics. It follows the most recent recommendations for effective math instruction and aligns with many state standards and supports the Common Core State Standards. Math Expressions is:

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- Through daily Math Talk, students explain methods and in turn, become more fluent in them.
• Math Talk is supported with math boards and manipulatives to develop conceptual learning and fluency. Mathematics content and models connect and build across grade levels to provide a progression of teaching and learning that aligns precisely with the CCSS.

As students confidence and experience build, use of modeling, repeated reasoning, and abstract thinking grow, leading to mastery of hallmark CCSS Mathematical Practice Standards.

Houghton Mifflin Harcourt Math Expressions

• Grade 5
  o Strengths:
    ▪ Focus on grade level standards (major work)
    ▪ Focus on and support of mathematical practices with each lesson
    ▪ Use of manipulatives to model and develop conceptual understanding
    ▪ Multiple supports for differentiation (for teacher and student)
  o Weaknesses:
    ▪ Lack of independent conceptual work (not teacher lead)
    ▪ Overabundance and time on fluency/bare problems
    ▪ Lack of connection from conceptual work to independent exercises (connect fluency work with conceptual work)
  o Key Features:

Math Expressions is a comprehensive mathematics curriculum for Kindergarten through Grade 6 that offers new ways to teach and learn mathematics. It follows the most recent recommendations for effective math instruction and aligns with many state standards and supports the Common Core State Standards. Math Expressions is:

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• Math Talk is supported with math boards and manipulatives to develop conceptual learning and fluency
• Mathematics content and models connect and build across grade levels to provide a progression of teaching and learning that aligns precisely with the CCSS.

As students confidence and experience build, use of modeling, repeated reasoning, and abstract thinking grow, leading to mastery of hallmark CCSS Mathematical Practice Standards.

Houghton Mifflin Harcourt Math Expressions

• Grade 6
  o Notes: All standards were cross referenced throughout introductions and lessons, which made everything easy to find. The manipulative kit was very useful and is necessary to make the program successful. The various test forms are beneficial for different learners. The program flowed seamlessly.
Key Features:

Math Expressions is a comprehensive mathematics curriculum for Kindergarten through Grade 6 that offers new ways to teach and learn mathematics. It follows the most recent recommendations for effective math instruction and aligns with many state standards and supports the Common Core State Standards. Math Expressions is:

- Comprehensive, research-based program that is fully aligned to the Common Core State Standards and Learning Progressions
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- Math Talk is supported with math boards and manipulatives to develop conceptual learning and fluency
- Mathematics content and models connect and build across grade levels to provide a progression of teaching and learning that aligns precisely with the CCSS

As students confidence and experience grow, use of modeling, repeated reasoning, and abstract thinking grow, leading to mastery of hallmark CCSS Mathematical Practice Standards.

Houghton Mifflin Harcourt GO MATH!

- Grade 3
  - Notes: This program meets all the major, supporting, and additional clusters of third grade. It has everything needed to be a core mathematics program.

  - 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 deliver 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.

Houghton Mifflin Harcourt GO MATH!

- Grade 4
  - Notes: This program fully supports the teacher to meet the Common Core Standards in a rigorous, conceptual manner, attending to special populations and differentiation, in a very clear, organized, easy to follow manner. The only areas of weakness noted were lack of multi-stop problems, not enough fluency and practice problems, and depth of mathematical reasoning in the areas of constructing arguments effectively and justifying mathematical claims.
  - 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.

Houghton Mifflin Harcourt GO MATH!

- Grade 5
  - Notes: The Engage activity at the start of each lesson is connected with digital resources. Fact fluency to support conceptual learning is focused on in the digital materials. The curriculum clearly builds upon prior knowledge and earlier concepts and then continues the continuum of learning. Domains, standards, and MPs are clearly identified and used meaningfully. A strength of the curriculum is its attention to the conceptual understanding and use of discussion. There is focus on a variety of instructional approaches and differentiation resources. Weaknesses lie in lack of basic fluency building and minimal use of multi-step problems.
  - 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.

Houghton Mifflin Harcourt GO MATH!

• **Grade 6**
  - **Strengths:**
    - Go Math! 6th grade covers all Common Core Standards. The Fluency Builder in each lesson provides students practice with the fluencies and/or previous grade-level fluencies and concepts. The materials provided to support RTI in the classroom provide teachers with materials for intervention and enrichment. The Spiral Review included in each lesson provides students with opportunities to practice previous concepts.
  - **Weaknesses:**
    - Go Math! 6th grade does not spend sufficient time on the Major Works for the grade level. Clear connections between standards are absent. The uses of Mathematical Practices in the student materials are not authentic in nature. The materials lack multi-step problems and lacks student to student interaction.
  - **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.

McGraw-Hill School Education

McGraw-Hill My Math

• **Grade K**
  - **Key Features:** McGraw-Hill My Math for grades K-5 is organized around the Common Core State Standards for Mathematics and emphasizes Mathematical Practices in an interactive environment that makes learning fun and exciting. Students interact with math like never before, as they have the opportunity to take notes within their own textbook and even complete homework on a tablet. ConnectED, our digital platform, ensures that students have a consistent experience through grades K-8.
McGraw-Hill My Math

• Grade 1
  o Key Features: *McGraw-Hill My Math* for grades K-5 is organized around the Common Core State Standards for Mathematics and emphasizes Mathematical Practices in an interactive environment that makes learning fun and exciting. Students interact with math like never before, as they have the opportunity to take notes within their own textbook and even complete homework on a tablet. ConnectED, our digital platform, ensures that students have a consistent experience through grades K-8.

McGraw-Hill My Math

• Grade 2
  o Key Features: *McGraw-Hill My Math* for grades K-5 is organized around the Common Core State Standards for Mathematics and emphasizes Mathematical Practices in an interactive environment that makes learning fun and exciting. Students interact with math like never before, as they have the opportunity to take notes within their own textbook and even complete homework on a tablet. ConnectED, our digital platform, ensures that students have a consistent experience through grades K-8.

McGraw-Hill My Math

• Grade 3
  o Key Features: *McGraw-Hill My Math* for grades K-5 is organized around the Common Core State Standards for Mathematics and emphasizes Mathematical Practices in an interactive environment that makes learning fun and exciting. Students interact with math like never before, as they have the opportunity to take notes within their own textbook and even complete homework on a tablet. ConnectED, our digital platform, ensures that students have a consistent experience through grades K-8.

McGraw-Hill My Math

• Grade 4
  o Key Features: *McGraw-Hill My Math* for grades K-5 is organized around the Common Core State Standards for Mathematics and emphasizes Mathematical Practices in an interactive environment that makes learning fun and exciting. Students interact with math like never before, as they have the opportunity to take notes within their own textbook and even complete homework on a tablet. ConnectED, our digital platform, ensures that students have a consistent experience through grades K-8.

McGraw-Hill My Math

• Grade 5
  o Strengths:
    ▪ Standards and practices are clearly labeled
    ▪ The connections between the grades are easy to find and they help students and teachers understand how the lesson align
  o Weaknesses:
    ▪ There isn’t a lot of room to work math problems on the specific student practice page
  o Key Features: *McGraw-Hill My Math* for grades K-5 is organized around the Common Core State Standards for Mathematics and emphasizes Mathematical Practices in an interactive environment
that makes learning fun and exciting. Students interact with math like never before, as they have the opportunity to take notes within their own textbook and even complete homework on a tablet. ConnectED, our digital platform, ensures that students have a consistent experience through grades K-8.

Everyday Math Essential

- **Grade K**
  - **Notes:**
    - Everyday math is a comprehensive core program. It has lots of hands-on and engaging activities to meet the common core standards.
  - **Key Features:**
    - *Everyday Mathematics* is a PreK-6 core mathematics program developed at University of Chicago and grounded in substantial field testing and a distinct research-based philosophy. *Everyday Mathematics* provides rigorous instruction, promoting long-term retention and deeply incorporated problem-solving and game-based learning. The curriculum has a spiraled approach, distributing learning throughout the curriculum. Research has shown children learn best through distributed practice – when new topics are presented at a brisk pace, with multiple exposures over time and frequent opportunities for review and practice, often referred to as a “Spiral Curriculum”. The *Everyday Mathematics* curriculum optimizes these conditions for learning and retaining knowledge, by introducing new concepts or skills informally and then revisited in a variety of contexts over several grades. Subsequent exposures build upon previous experience, helping children develop both knowledge of mathematics and their ability and willingness to apply what they know.

Everyday Math Essential

- **Grade 1**
  - **Key Features:**
    - *Everyday Mathematics* is a PreK-6 core mathematics program developed at University of Chicago and grounded in substantial field testing and a distinct research-based philosophy. *Everyday Mathematics* provides rigorous instruction, promoting long-term retention and deeply incorporated problem-solving and game-based learning. The curriculum has a spiraled approach, distributing learning throughout the curriculum. Research has shown children learn best through distributed practice – when new topics are presented at a brisk pace, with multiple exposures over time and frequent opportunities for review and practice, often referred to as a “Spiral Curriculum”. The *Everyday Mathematics* curriculum optimizes these conditions for learning and retaining knowledge, by introducing new concepts or skills informally and then revisited in a variety of contexts over several grades. Subsequent exposures build upon previous experience, helping children develop both knowledge of mathematics and their ability and willingness to apply what they know.

Everyday Math Essential

- **Grade 2**
  - **Notes:**
    - The Student Reference book does a great job with the mathematical practices. However, there are not enough supports to assist students in structuring mathematical arguments.
  - **Key Features:**
Everyday Mathematics is a PreK-6 core mathematics program developed at University of Chicago and grounded in substantial field testing and a distinct research-based philosophy. Everyday Mathematics provides rigorous instruction, promoting long-term retention and deeply incorporated problem-solving and game-based learning. The curriculum has a spiraled approach, distributing learning throughout the curriculum. Research has shown children learn best through distributed practice – when new topics are presented at a brisk pace, with multiple exposures over time and frequent opportunities for review and practice, often referred to as a “Spiral Curriculum”. The Everyday Mathematics curriculum optimizes these conditions for learning and retaining knowledge, by introducing new concepts or skills informally and then revisited in a variety of contexts over several grades. Subsequent exposures build upon previous experience, helping children develop both knowledge of mathematics and their ability and willingness to apply what they know.

Everyday Math Essential

- **Grade 3**
  - **Notes:**
    - The Student Reference book does a great job with the mathematical practices
  - **Key Features:**
    - Everyday Mathematics is a PreK-6 core mathematics program developed at University of Chicago and grounded in substantial field testing and a distinct research-based philosophy. Everyday Mathematics provides rigorous instruction, promoting long-term retention and deeply incorporated problem-solving and game-based learning. The curriculum has a spiraled approach, distributing learning throughout the curriculum. Research has shown children learn best through distributed practice – when new topics are presented at a brisk pace, with multiple exposures over time and frequent opportunities for review and practice, often referred to as a “Spiral Curriculum”. The Everyday Mathematics curriculum optimizes these conditions for learning and retaining knowledge, by introducing new concepts or skills informally and then revisited in a variety of contexts over several grades. Subsequent exposures build upon previous experience, helping children develop both knowledge of mathematics and their ability and willingness to apply what they know.

Everyday Math Essential

- **Grade 4**
  - **Strengths:**
    - Students generated manipulatives, SMP are embedded throughout the lessons, differentiation/scaffolding is readily available, Home Links with family letters and help, self-assessments
  - **Weaknesses:**
    - Hard to know when working on major or supporting works quickly, supporting work may cover too much time, lattice multiplication
  - **Key Features:**
    - Everyday Mathematics is a PreK-6 core mathematics program developed at University of Chicago and grounded in substantial field testing and a distinct research-based philosophy. Everyday Mathematics provides rigorous instruction, promoting long-term retention and deeply incorporated problem-solving and game-based learning. The curriculum has a spiraled approach, distributing learning throughout the curriculum. Research has shown children learn best through distributed practice – when new topics
are presented at a brisk pace, with multiple exposures over time and frequent opportunities for review and practice, often referred to as a “Spiral Curriculum”. The *Everyday Mathematics* curriculum optimizes these conditions for learning and retaining knowledge, by introducing new concepts or skills informally and then revisited in a variety of contexts over several grades. Subsequent exposures build upon previous experience, helping children develop both knowledge of mathematics and their ability and willingness to apply what they know.

**Everyday Math Essential**

- **Grade 5**
  - **Strengths:**
    - SMP are embedded throughout the lessons, differentiation/scaffolding is readily available, Home Links with family letters and help, self-assessments
  - **Weaknesses:**
    - Hard to know when working on major or supporting works quickly, supporting work may cover too much time
  - **Key Features:**
    - *Everyday Mathematics* is a PreK-6 core mathematics program developed at University of Chicago and grounded in substantial field testing and a distinct research-based philosophy. *Everyday Mathematics* provides rigorous instruction, promoting long-term retention and deeply incorporated problem-solving and game-based learning. The curriculum has a spiraled approach, distributing learning throughout the curriculum. Research has shown children learn best through distributed practice – when new topics are presented at a brisk pace, with multiple exposures over time and frequent opportunities for review and practice, often referred to as a “Spiral Curriculum”. The *Everyday Mathematics* curriculum optimizes these conditions for learning and retaining knowledge, by introducing new concepts or skills informally and then revisited in a variety of contexts over several grades. Subsequent exposures build upon previous experience, helping children develop both knowledge of mathematics and their ability and willingness to apply what they know.

- **Grade 6**
  - **Strengths:**
    - Curriculum is well developed and aligned to Common Core State Standards covering a variety of problems and strategies both procedural and conceptual. The text provided great opportunity for teachers to use student thinking to develop conceptual understanding. Student reasoning plays a key role throughout the textbook. Teachers are equipped with a variety of materials and support to teach the lessons. The Teacher’s Edition includes a chart of the Standards and which lesson they are covered, Unit Organizer which further breaks down the lessons taught and the Standards included, a Spiral Trace of review and new concept lessons, and breakdown of the Mathematical Practices for each lesson. Materials are listed at the beginning of each lesson. The Manipulative Kit is very extensive, versatile, and adaptive to a variety of lessons and situations. There are math games included in the Kit that are accessible for all levels of learners. The Student Reference Book is not consumable and focuses on student-led learning. The Student Math Journal and Math Masters books are well organized with parent letters and strategies to use at home.
  - **Weaknesses:**
The Student Math Journal and math Masters books are consumable. Some applications are actually in the 7ths grade standards: scaling is used to develop ideas about proportional reasoning and this is a specific 7th grade application.

- **Key Features:**
  - *Everyday Mathematics* is a PreK-6 core mathematics program developed at University of Chicago and grounded in substantial field testing and a distinct research-based philosophy. *Everyday Mathematics* provides rigorous instruction, promoting long-term retention and deeply incorporated problem-solving and game-based learning. The curriculum has a spiraled approach, distributing learning throughout the curriculum. Research has shown children learn best through distributed practice – when new topics are presented at a brisk pace, with multiple exposures over time and frequent opportunities for review and practice, often referred to as a “Spiral Curriculum”. The *Everyday Mathematics* curriculum optimizes these conditions for learning and retaining knowledge, by introducing new concepts or skills informally and then revisited in a variety of contexts over several grades. Subsequent exposures build upon previous experience, helping children develop both knowledge of mathematics and their ability and willingness to apply what they know.

Origo Education Inc.

Origo Stepping Stones Core Mathematics Program

- **Grade K**

  - **Notes:** Professional Development is a must! ORIGO Stepping Stones for kindergarten was designed and can be used as a CORE mathematics program. It covers all of the CCSS for kindergarten with the use of 12 modules and 6 lessons embedded in each module. The use of all 8 mathematical practices is apparent throughout the entirety of this program. The format and progression of each module and lesson is appropriate for early learners to begin building a foundation of these math concepts. The extra support given for both teachers and learners is very useful.

  - **Key Features:** Stepping Stones is an innovative digital program that:
    - Fosters students’ thinking and reasoning skills.
    - Delivers multiple ways to differentiate classroom instruction.
    - Provides a valuable source of professional learning for the teacher.
    - Presents methods to assess deep understanding and skills.
    - Is rich in online and print resources that engage all students.
    - Offers a cost-effective solution to core math implementation.
    - Assists in the recommended shift to digital instructional materials.
    - Delivers all content across all grade levels for each teacher.

Stepping Stones V2.0:

- Program copyright 2017 enhancements based on customer feedback and suggestions
- All major work of Core State Standards is exposed to learners before the end of module 10 (12 modules total)
- Program focus is on instructional practice and Standards for Mathematical Practice
- Teachers have access to all grades levels across all content areas
- Coherence and common errors and misconceptions are included in Teacher Focus
English Learning Language has been enhanced to include step-by-step teaching tips for each lesson
- Embedded MathEd professional learning videos for just in time teacher learning
- Embedded student demo lesson videos to model classroom experiences
- Standards for Mathematical Practices are explicit throughout the lesson notes with detailed examples
- Clearly identifiable color coding of Core State Standards major work, support and additional work included in teacher notes
- Student Journal and Practice Books have been combined for instructional integrity
- Progression of content is revisited throughout the program to encourage in-depth learning
- Additional emphasis on more critical areas of math standards, with embedded support and additional cluster areas within lessons
- Students have more opportunities to dialogue through discussion, writing, constructing arguments, and critiquing reasoning through the lesson progressions, Step In, Step Up, and Step Ahead
- Teacher edition is digital in HTML5 with print capability
- Online interactive assessments for students grades 3-5
- Implementation throughout length of adoption

Origo Stepping Stones Core Mathematics Program

- **Grade 1**
  - **Notes:** Professional Development is a must!
  - **Key Features:** Stepping Stones is an innovative digital program that:
    - Fosters students’ thinking and reasoning skills.
    - Delivers multiple ways to differentiate classroom instruction.
    - Provides a valuable source of professional learning for the teacher.
    - Presents methods to assess deep understanding and skills.
    - Is rich in online and print resources that engage all students.
    - Offers a cost-effective solution to core math implementation.
    - Assists in the recommended shift to digital instructional materials.
    - Delivers all content across all grade levels for each teacher.

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- Embedded MathEd professional learning videos for just in time teacher learning
- Embedded student demo lesson videos to model classroom experiences
- Standards for Mathematical Practices are explicit throughout the lesson notes with detailed examples
Origo Stepping Stones Core Mathematics Program

Grade 2

- Notes: Professional Development is a must! The publisher says that professional development/training is required. With an adoption teachers receive a 3 hour implementation session. Publisher recommends a follow up 3 hour session.
- Key Features: Stepping Stones is an innovative digital program that:
  - Fosters students' thinking and reasoning skills.
  - Delivers multiple ways to differentiate classroom instruction.
  - Provides a valuable source of professional learning for the teacher.
  - Presents methods to assess deep understanding and skills.
  - Is rich in online and print resources that engage all students.
  - Offers a cost-effective solution to core math implementation.
  - Assists in the recommended shift to digital instructional materials.
  - Delivers all content across all grade levels for each teacher.

Stepping Stones V2.0:

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- Student Journal and Practice Books have been combined for instructional integrity
- Progression of content is revisited throughout the program to encourage in-depth learning
Additional emphasis on more critical areas of math standards, with embedded support and additional cluster areas within lessons

Students have more opportunities to dialogue through discussion, writing, constructing arguments, and critiquing reasoning through the lesson progressions, Step In, Step Up, and Step Ahead

Teacher edition is digital in HTML5 with print capability

Online interactive assessments for students grades 3-5

Implementation throughout length of adoption

Origo Stepping Stones Core Mathematics Program

- Grade 3
  - Notes: ORIGO Stepping Stones meets the IMET criteria. However, the components are very difficult and time consuming to find and difficult to navigate through. Multiple tabs had to be open in order to find the needed information. Navigation could be difficult for students and families to use.
  - Key Features: Stepping Stones is an innovative digital program that:
    - Fosters students' thinking and reasoning skills.
    - Delivers multiple ways to differentiate classroom instruction.
    - Provides a valuable source of professional learning for the teacher.
    - Presents methods to assess deep understanding and skills.
    - Is rich in online and print resources that engage all students.
    - Offers a cost-effective solution to core math implementation.
    - Assists in the recommended shift to digital instructional materials.
    - Delivers all content across all grade levels for each teacher.

Stepping Stones V2.0:

- Program copyright 2017 enhancements based on customer feedback and suggestions
- All major work of Core State Standards is exposed to learners before the end of module 10 (12 modules total)
- Program focus is on instructional practice and Standards for Mathematical Practice
- Teachers have access to all grades levels across all content areas
- Coherence and common errors and misconceptions are included in Teacher Focus
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- Standards for Mathematical Practices are explicit throughout the lesson notes with detailed examples
- Clearly identifiable color coding of Core State Standards major work, support and additional work included in teacher notes
- Student Journal and Practice Books have been combined for instructional integrity
- Progression of content is revisited throughout the program to encourage in-depth learning
- Additional emphasis on more critical areas of math standards, with embedded support and additional cluster areas within lessons
- Students have more opportunities to dialogue through discussion, writing, constructing arguments, and critiquing reasoning through the lesson progressions, Step In, Step Up, and Step Ahead
Teacher edition is digital in HTML5 with print capability
Online interactive assessments for students grades 3-5
Implementation throughout length of adoption

Origo Stepping Stones Core Mathematics Program

- Grade 4
  - Notes: Professional Development is a must! This program meets the IMET evaluation but was confusing and time consuming to navigate.
  - Key Features: Stepping Stones is an innovative digital program that:
    - Fosters students' thinking and reasoning skills.
    - Delivers multiple ways to differentiate classroom instruction.
    - Provides a valuable source of professional learning for the teacher.
    - Presents methods to assess deep understanding and skills.
    - Is rich in online and print resources that engage all students.
    - Offers a cost-effective solution to core math implementation.
    - Assists in the recommended shift to digital instructional materials.
    - Delivers all content across all grade levels for each teacher.

Stepping Stones V2.0:

- Program copyright 2017 enhancements based on customer feedback and suggestions
- All major work of Core State Standards is exposed to learners before the end of module 10 (12 modules total)
- Program focus is on instructional practice and Standards for Mathematical Practice
- Teachers have access to all grades levels across all content areas
- Coherence and common errors and misconceptions are included in Teacher Focus
- English Learning Language has been enhanced to include step-by-step teaching tips for each lesson
- Embedded MathEd professional learning videos for just in time teacher learning
- Embedded student demo lesson videos to model classroom experiences
- Standards for Mathematical Practices are explicit throughout the lesson notes with detailed examples
- Clearly identifiable color coding of Core State Standards major work, support and additional work included in teacher notes
- Student Journal and Practice Books have been combined for instructional integrity
- Progression of content is revisited throughout the program to encourage in-depth learning
- Additional emphasis on more critical areas of math standards, with embedded support and additional cluster areas within lessons
- Students have more opportunities to dialogue through discussion, writing, constructing arguments, and critiquing reasoning through the lesson progressions, Step In, Step Up, and Step Ahead
- Teacher edition is digital in HTML5 with print capability
- Online interactive assessments for students grades 3-5
- Implementation throughout length of adoption
Origo Stepping Stones Core Mathematics Program

- **Grade 5**
  - **Notes:** It might be difficult for teachers to realize the full breadth and depth of these materials without professional development/training.
  - **Strengths:**
    - Layout of online teacher materials, once familiar with navigation.
    - Login-the program opens to the page you were viewing when last closing the program.
    - Geometry is interspersed throughout the modules.
    - All teachers receive the mathematical content of all grade levels. This is especially helpful for interventions (both remedial and extending).
    - Teacher materials include a means for viewing the sequence of lessons across grade levels that develop the concepts and skills for that lesson.
  - **Weaknesses:**
    - The program uses everyday items in lessons/investigation, such as boxes or scales as well as specific items such as pattern blocks. There seems to be no master list of resources needed for the entire program.
    - Practice exercises, pre-tests, and summative assessments are not limited to the content of the associated module. It is not clear when any given concept or skill is expected to be mastered or when/where practice for any given skill will be presented.
    - Modules seem to be organized by the constraint of 12 lessons, rather than topics that are related.
    - Binding on the workbook fell apart with the second opening.
  - **Key Features:** Stepping Stones is an innovative digital program that:
    - Fosters students’ thinking and reasoning skills.
    - Delivers multiple ways to differentiate classroom instruction.
    - Provides a valuable source of professional learning for the teacher.
    - Presents methods to assess deep understanding and skills.
    - Is rich in online and print resources that engage all students.
    - Offers a cost-effective solution to core math implementation.
    - Assists in the recommended shift to digital instructional materials.
    - Delivers all content across all grade levels for each teacher.

Stepping Stones V2.0:

- Program copyright 2017 enhancements based on customer feedback and suggestions
- All major work of Core State Standards is exposed to learners before the end of module 10 (12 modules total)
- Program focus is on instructional practice and Standards for Mathematical Practice
- Teachers have access to all grades levels across all content areas
- Coherence and common errors and misconceptions are included in Teacher Focus
- English Learning Language has been enhanced to include step-by-step teaching tips for each lesson
- Embedded MathEd professional learning videos for just in time teacher learning
- Embedded student demo lesson videos to model classroom experiences
- Standards for Mathematical Practices are explicit throughout the lesson notes with detailed examples
Clearly identifiable color coding of Core State Standards major work, support and additional work included in teacher notes

Student Journal and Practice Books have been combined for instructional integrity

Progression of content is revisited throughout the program to encourage in-depth learning

Additional emphasis on more critical areas of math standards, with embedded support and additional cluster areas within lessons

Students have more opportunities to dialogue through discussion, writing, constructing arguments, and critiquing reasoning through the lesson progressions, Step In, Step Up, and Step Ahead

Teacher edition is digital in HTML5 with print capability

Online interactive assessments for students grades 3-5

Implementation throughout length of adoption

Pearson Education, Inc.

enVisionMATH 2.0

• Grade K
  o Notes: enVisons Math 2.0 is easy to navigate and use as a teacher. There is a technology component built into each lesson.
  o Key Features:
    ▪ enVisionmath2.0 is organized to focus on the Common Core Clusters; aligns to the next generation assessment content emphases requirements; and offers the focus, coherence, and rigor as defined by the Common Core State Standards for Mathematics. Consistent, everyday engagement of the Standards for Mathematical Practice enables learners to develop understandings and use mathematics with understanding. enVisionmath2.0 provides print and digital resources to personalize learning and support a research-based instructional model. This enables the program to be taught in a variety of classroom models as an authentic learning experience in print, digital, and blended approaches. For example Problem-Based Learning is key to conceptual development and is an integral part of every lesson in the student print component and as a digital experience at every grade. Practice Buddy powered by MathXL provides a strong, digital student independent practice leveling experience and parallel, leveled print student practice components are also provided. enVisionmath2.0 offers rich differentiation resources for every lesson that include robust intervention activities and great variety of engaging experiences for all levels of learners through print and digital tools, games, and interactive workspaces.
    enVisionmath2.0 is powered by the new Pearson Realize learning management system, providing teachers with the ability to customize content, auto-assign differentiation, and use assessment data quickly and easily. Online and print assessments reflect the new high-stakes assessments.

enVisionMATH 2.0

• Grade 1
  o Notes: This program addresses all standards and mathematical practices in an easy to use form. This program includes connections to science, technology, art, and language arts.
  o Key Features:
    ▪ enVisionmath2.0 is organized to focus on the Common Core Clusters; aligns to the next generation assessment content emphases requirements; and offers the focus, coherence, and rigor as defined by the Common Core State Standards for Mathematics. Consistent,
everyday engagement of the Standards for Mathematical Practice enables learners to develop understandings and use mathematics with understanding. **enVisionmath2.0** provides print and digital resources to personalize learning and support a research-based instructional model. This enables the program to be taught in a variety of classroom models as an authentic learning experience in print, digital, and blended approaches. For example **Problem-Based Learning** is key to conceptual development and is an integral part of every lesson in the student print component and as a digital experience at every grade. **Practice Buddy powered by MathXL** provides a strong, digital student independent practice leveling experience and parallel, leveled print student practice components are also provided. **enVisionmath2.0** offers rich differentiation resources for every lesson that include robust intervention activities and great variety of engaging experiences for all levels of learners through print and digital tools, games, and interactive workspaces. **enVisionmath2.0** is powered by the new Pearson Realize learning management system, providing teachers with the ability to customize content, auto-assign differentiation, and use assessment data quickly and easily. Online and print assessments reflect the new high-stakes assessments.

**enVisionMATH 2.0**

- **Grade 2**
  - **Notes:**
    - This curriculum is very clearly aligned with the Common Core Content Standards as well as the Mathematical Practice Standards. There is a clear scope and sequence within the grade level, as well as throughout the K-6 program. It is well organized with a variety of materials (hands on manipulatives, posters, reading mats, etc.). The online component is flexible for teachers to be able to rearrange and omit lessons when appropriate. All activities and lessons keep differentiation and learner needs in perspective. The lesson structure is consistent throughout K-6. This is a strength and a weakness. Teachers and students may feel the lessons are monotonous, and engagement may decline as students see the same structure daily for years. Teachers must be given autonomy to be able to supplement and change the daily lesson structure when needed. There are many different resources, and teachers would benefit from a professional development by the publisher to become familiar with all components available.
  - **Key Features:**
    - **enVisionmath2.0** is organized to focus on the Common Core Clusters; aligns to the next generation assessment content emphases requirements; and offers the focus, coherence, and rigor as defined by the Common Core State Standards for Mathematics. Consistent, everyday engagement of the Standards for Mathematical Practice enables learners to develop understandings and use mathematics with understanding. **enVisionmath2.0** provides print and digital resources to personalize learning and support a research-based instructional model. This enables the program to be taught in a variety of classroom models as an authentic learning experience in print, digital, and blended approaches. For example **Problem-Based Learning** is key to conceptual development and is an integral part of every lesson in the student print component and as a digital experience at every grade. **Practice Buddy powered by MathXL** provides a strong, digital student independent practice leveling experience and parallel, leveled print student practice components are also provided. **enVisionmath2.0** offers rich differentiation resources for every lesson that include robust intervention activities and great variety of engaging experiences for all levels of learners through print and digital tools, games, and interactive workspaces. **enVisionmath2.0** is powered by the new Pearson Realize learning management system, providing teachers with the ability to customize content, auto-assign differentiation, and use assessment data quickly and easily. Online and print assessments reflect the new high-stakes assessments.
enVisionMATH 2.0

- Grade 3
  - Notes:
    - Materials are very comprehensive. The structure is easy to follow, but may be seen as a bit overwhelming. The repetitive nature may become monotonous for teachers and students, and will require teacher creativity to ensure continued student engagement.
  - Key Features:
    - enVisionmath2.0 is organized to focus on the Common Core Clusters; aligns to the next generation assessment content emphases requirements; and offers the focus, coherence, and rigor as defined by the Common Core State Standards for Mathematics. Consistent, everyday engagement of the Standards for Mathematical Practice enables learners to develop understandings and use mathematics with understanding. enVisionmath2.0 provides print and digital resources to personalize learning and support a research-based instructional model. This enables the program to be taught in a variety of classroom models as an authentic learning experience in print, digital, and blended approaches. For example Problem-Based Learning is key to conceptual development and is an integral part of every lesson in the student print component and as a digital experience at every grade. Practice Buddy powered by MathXL provides a strong, digital student independent practice leveling experience and parallel, leveled print student practice components are also provided. enVisionmath2.0 offers rich differentiation resources for every lesson that include robust intervention activities and great variety of engaging experiences for all levels of learners through print and digital tools, games, and interactive workspaces. enVisionmath2.0 is powered by the new Pearson Realize learning management system, providing teachers with the ability to customize content, auto-assign differentiation, and use assessment data quickly and easily. Online and print assessments reflect the new high-stakes assessments.

enVisionMATH 2.0

- Grade 4
  - Strengths:
    - Alignments of standards
    - Teaching and implementing of MP
    - Ease of use due to organization of materials
    - Progression of development of topics
    - Problem solving
    - Presentation in SE is kid friendly
    - ELL-beg, inter, advanced good
    - Online PD for parents-explains, give homework
    - Background knowledge for teachers is well done
    - Parent connection on each homework
    - “Wheel”-color coding
  - Key Features:
    - enVisionmath2.0 is organized to focus on the Common Core Clusters; aligns to the next generation assessment content emphases requirements; and offers the focus, coherence, and rigor as defined by the Common Core State Standards for Mathematics. Consistent, everyday engagement of the Standards for Mathematical Practice enables learners to develop understandings and use mathematics with understanding. enVisionmath2.0 provides print and digital resources to personalize learning and support a research-based
Instructional model. This enables the program to be taught in a variety of classroom models as an authentic learning experience in print, digital, and blended approaches. For example, Problem-Based Learning is key to conceptual development and is an integral part of every lesson in the student print component and as a digital experience at every grade. Practice Buddy powered by MathXL provides a strong, digital student independent practice leveling experience and parallel, leveled print student practice components are also provided. enVisionmath 2.0 offers rich differentiation resources for every lesson that include robust intervention activities and great variety of engaging experiences for all levels of learners through print and digital tools, games, and interactive workspaces. enVisionmath 2.0 is powered by the new Pearson Realize learning management system, providing teachers with the ability to customize content, auto-assign differentiation, and use assessment data quickly and easily. Online and print assessments reflect the new high-stakes assessments.

enVisionMATH 2.0

- **Grade 5**
  - **Strengths:**
    - Alignments of standards
    - Teaching and implementing of MP
    - Ease of use due to organization of materials
    - Progression of development of topics
    - Problem solving
    - Presentation in SE is kid friendly
    - ELL-beg, inter, advanced good
    - Online PD for parents-explains, give homework
    - Background knowledge for teachers is well done
    - Parent connection on each homework
    - “Wheel”-color coding
  - **Key Features:**
    - enVisionmath 2.0 is organized to focus on the Common Core Clusters; aligns to the next generation assessment content emphases requirements; and offers the focus, coherence, and rigor as defined by the Common Core State Standards for Mathematics. Consistent, everyday engagement of the Standards for Mathematical Practice enables learners to develop understandings and use mathematics with understanding. enVisionmath 2.0 provides print and digital resources to personalize learning and support a research-based instructional model. This enables the program to be taught in a variety of classroom models as an authentic learning experience in print, digital, and blended approaches. For example, Problem-Based Learning is key to conceptual development and is an integral part of every lesson in the student print component and as a digital experience at every grade. Practice Buddy powered by MathXL provides a strong, digital student independent practice leveling experience and parallel, leveled print student practice components are also provided. enVisionmath 2.0 offers rich differentiation resources for every lesson that include robust intervention activities and great variety of engaging experiences for all levels of learners through print and digital tools, games, and interactive workspaces. enVisionmath 2.0 is powered by the new Pearson Realize learning management system, providing teachers with the ability to customize content, auto-assign differentiation, and use assessment data quickly and easily. Online and print assessments reflect the new high-stakes assessments.
enVisionMATH 2.0

- Grade 6
  - Key Features:
    - enVisionmath 2.0 is organized to focus on the Common Core Clusters; aligns to the next generation assessment content emphases requirements; and offers the focus, coherence, and rigor as defined by the Common Core State Standards for Mathematics. Consistent, everyday engagement of the Standards for Mathematical Practice enables learners to develop understandings and use mathematics with understanding. enVisionmath 2.0 provides print and digital resources to personalize learning and support a research-based instructional model. This enables the program to be taught in a variety of classroom models as an authentic learning experience in print, digital, and blended approaches. For example Problem-Based Learning is key to conceptual development and is an integral part of every lesson in the student print component and as a digital experience at every grade. Practice Buddy powered by MathXL provides a strong, digital student independent practice leveling experience and parallel, leveled print student practice components are also provided. enVisionmath 2.0 offers rich differentiation resources for every lesson that include robust intervention activities and great variety of engaging experiences for all levels of learners through print and digital tools, games, and interactive workspaces. enVisionmath 2.0 is powered by the new Pearson Realize learning management system, providing teachers with the ability to customize content, auto-assign differentiation, and use assessment data quickly and easily. Online and print assessments reflect the new high-stakes assessments.

For Questions Contact
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