K-5 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 2022-December 31, 2028

GRADES K-5

Big Ideas Learning

Big Ideas Learning Math

- **Grade K**
  - Strengths: Teaching Edition is linear and clear. It is scripted with ideas to extend and support students. Exit tickets (Closure) included in the lessons.
  - Weaknesses: There were not many opportunities for students to use repeated reasoning. Only one chapter was devoted to place value for numbers eleven (11) through nineteen (19). The student self-assessment tool may be of value for progress monitoring, but a more objective assessment may be necessary. The digital diagnostic assessment may be a possible tool.
  - Key Features: The Idaho Big Ideas Learning program was written to the full intent and meaning of each of the Idaho Mathematics Content Standards, creating a coherent solution specifically for Idaho.
    The print and digital resources combined create a robust and engaging experience for teachers and students.
    PRINT RESOURCES
    • Student Edition: The consumable Student Edition contains every lesson and is the core print product. This is also available as the Dynamic Student Edition online.
    • Teaching Edition: The Teaching Edition contains Laurie's Notes, which is professional development at teachers' fingertips. Also found online within the Dynamic Classroom, Laurie's Notes include step-by-step guidance, discussion questions, the Dig Ins (Circle Time), common errors, item analyses, and more. This is an invaluable resource for teachers to use as they prepare and teach the lessons.

Key Technology Resources are listed below and more information about each can be found on attachment titled Additional Information for Idaho Brief Form under section Technology Resources.

• Dynamic Student Edition
• Dynamic Classroom
• Dynamic Assessment
• Skills Review Handbook

Big Ideas Learning Math

- **Grade 1-2**
    - Strengths: Teaching Edition is linear and clear. It is scripted with ideas to extend and support students. Exit tickets (Closure) included in the lessons.
    - Weaknesses: The student self-assessment tool may be of value for progress monitoring, but a more objective assessment may be necessary. The digital diagnostic assessment may be a possible tool.
    - Key Features: The Idaho Big Ideas Learning program was written to the full intent and meaning of each of the Idaho Mathematics Content Standards, creating a coherent solution specifically for Idaho.

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      PRINT RESOURCES

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Big Ideas Learning Math

- **Grade 3-5**
    - Strengths:
        - *Core Instruction:*
            - Standards are covered with multiple models supporting concrete to symbolic progressions.
            - Varied instruction and response opportunities include direct instruction, teacher-led discussions, "turn-and-talk" collaborations, and independent practice.
            - Mathematical discourses within the whole group, small groups, and partnerships are present for every lesson.
        - *Teacher Edition:*
            - TE is easy to follow with pedagogical guidance and probing questions to support mathematical discourse. Visually, not too cluttered or overwhelming with TE pages numbered to mirror student's edition
        - *Student Edition:*
            - Kid-friendly workbooks are colorful but not distracting; developmentally appropriate readability and response expectations. Pages are perforated and erase cleanly.
    - Weaknesses:
        - *Tier 2 Instructional Support:*
            - Limited instruction guidance/materials for small group differentiation. Whole group (Laurie's Notes) and independent practice are provided, but little small group intervention other than worksheet and some enrichment opportunities.
        - *Basic Fact Mastery*
            - Basic fact strategies are presented, but there are limited material/tools/apps provided to support movement toward automaticity.
    - Other Notes:
        - *Web-Based Platform:*
            - The website has several resources that will support the students with at-home learning. The e-book matches the print version exactly. The Dynamic Classroom is difficult to navigate.
    - Key Features: The Idaho Big Ideas Learning program was written to the full intent and meaning of each of the Idaho Mathematics Content Standards, creating a coherent solution specifically for Idaho.

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Curriculum Associates

i-Ready Classroom Mathematics

- **Grade K-2**
  - Strengths: This program is very organized and the format is consistent between lessons. It uses hands-on activities (manipulatives) as well as written format. It provides ideas for differentiated instruction as well as ways to modify the curriculum for ELL students. Assessments are clear and concise. There are multiple opportunities to assess students. There is a digital component for teachers and students that helps to support the curriculum. The program is aligned to the new Idaho State Standards.
  - Weaknesses: There are only 2 lessons that address the standard of K.NBT.1 in this program. In the new Idaho Content standard this standard is listed as one of the major work standards where students should spend a large majority of their time and major work of the grade. This standard could use more teacher guided lessons within the program. The two lessons that teach this standard are Unit 5 Lessons 26 (pg. 511A) and lesson 28 (pg. 547a) align to the numbers and operations in base ten content standards of K.NBT.1. The program could use

additional lessons to teach the standard of K.NBT.1 as this is a major standard at the Kindergarten grade level.

- Key Features: i-Ready Classroom Mathematics is grounded in our philosophy that all students deserve equitable access to mathematics instruction. The program enables teachers to engage students and provides powerful teaching tools for strengthening conceptual understanding through a teacher-led, discourse-based routine. i-Ready Classroom Mathematics uses diagnostic data to provide teachers with a clear snapshot of each student's understanding, allowing them to deliver on-level, intervention, and enrichment instruction.
  i-Ready Classroom Mathematics provides a wealth of instructional resources to support teachers in effective implementation, including assessment tools and support for differentiated instruction. The online Teacher Toolbox, which is part of the Teacher's Guide with Digital Access package, provides complete access to all grade-level resources. The intended course level for the student components is on-grade level with support for below-grade level and above-grade level students. Although the program is designed for on-level ability, the student digital components to i-Ready Classroom Mathematics provides an adaptive diagnostic and resources to personalize instruction.

i-Ready Classroom Mathematics

- **Grade 3**
  - Strengths: This 3rd grade math curriculum is designed to be comprehensive. It covers all the 3rd grade standards. Hard copies include two student workbooks and two teacher manuals. The student workbooks have color photographs, and plenty of work space for students to write. The teacher manuals have all the pertinent information - remediation, enrichment, common mistakes to look for, vocabulary, lesson procedure and progression, etc. on the page of the current lesson. This makes it easy for teachers to see all the needed information on one page. The program can also be done completely online. All resources are available to print from the online interface. Students can access workbook pages, online manipulatives and tools, tests, enrichment activities, etc. from their account online. Teachers can assign to student accounts and assess test scores. The online components are easy to navigate and clearly described.
  - Weaknesses: The 3rd grade math curriculum is simple and straightforward. It doesn't have all the manuals, ELL workbooks, and extra training materials that the bigger curricula - like Envisions - have. All the ELL and differentiation components are included, but they are short, and integrated on the pertinent page in the teacher's manuals.

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i-Ready Classroom Mathematics

- **Grade 4**
  - Strengths: This 4th grade math curriculum is designed to be comprehensive. It covers all the 4th grade standards. Hard copies include two student workbooks and two teacher manuals. The student workbooks have color photographs, and plenty of work space for students to write. The teacher manuals have all the pertinent information - remediation, enrichment, common mistakes to look for, vocabulary, lesson procedure and progression, etc. on the page of the current lesson. This makes it easy for teachers to see all the needed information on one page. The program can also be done completely online. All resources are available to print from the online interface. Students can access workbook pages, online manipulatives and tools, tests, enrichment activities, etc. from their account online. Teachers can assign to student accounts and assess test scores. The online components are easy to navigate and clearly described.
  - Weaknesses: The 4th grade math curriculum is simple and straightforward. It doesn't have all the manuals, ELL workbooks, and extra training materials that the bigger curricula - like Envisions - have. All the ELL and differentiation components are included, but they are short, and integrated on the pertinent page in the teacher's manuals
  - Key Features: i-Ready Classroom Mathematics is grounded in our philosophy that all students deserve equitable access to mathematics instruction. The program

enables teachers to engage students and provides powerful teaching tools for strengthening conceptual understanding through a teacher-led, discourse-based routine. i-Ready Classroom Mathematics uses diagnostic data to provide teachers with a clear snapshot of each student's understanding, allowing them to deliver on-level, intervention, and enrichment instruction.
i-Ready Classroom Mathematics provides a wealth of instructional resources to support teachers in effective implementation, including assessment tools and support for differentiated instruction. The online Teacher Toolbox, which is part of the Teacher's Guide with Digital Access package, provides complete access to all grade-level resources. The intended course level for the student components is on-grade level with support for below-grade level and above-grade level students. Although the program is designed for on-level ability, the student digital components to i-Ready Classroom Mathematics provides an adaptive diagnostic and resources to personalize instruction.

i-Ready Classroom Mathematics

- **Grade 5**
    - Strengths: This 5th grade math curriculum is designed to be comprehensive. It covers all the 5th grade standards. Hard copies include two student workbooks and two teacher manuals. The student workbooks have color photographs, and plenty of work space for students to write. The teacher manuals have all the pertinent information - remediation, enrichment, common mistakes to look for, vocabulary, lesson procedure and progression, etc. on the page of the current lesson. This makes it easy for teachers to see all the needed information on one page. The program can also be done completely online. All resources are available to print from the online interface. Students can access workbook pages, online manipulatives and tools, tests, enrichment activities, etc. from their account online. Teachers can assign to student accounts and assess test scores. The online components are easy to navigate and clearly described.
    - Weaknesses: The 5th grade math curriculum is simple and straightforward. It doesn't have all the manuals, ELL workbooks, and extra training materials that the bigger curricula - like Envisions - have. All the ELL and differentiation components are included, but they are short, and integrated on the pertinent page in the teacher's manuals.
    - Key Features: i-Ready Classroom Mathematics is grounded in our philosophy that all students deserve equitable access to mathematics instruction. The program enables teachers to engage students and provides powerful teaching tools for strengthening conceptual understanding through a teacher-led, discourse-based

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i-Ready Classroom Mathematics provides a wealth of instructional resources to support teachers in effective implementation, including assessment tools and support for differentiated instruction. The online Teacher Toolbox, which is part of the Teacher's Guide with Digital Access package, provides complete access to all grade-level resources. The intended course level for the student components is on-grade level with support for below-grade level and above-grade level students. Although the program is designed for on-level ability, the student digital components to i-Ready Classroom Mathematics provides an adaptive diagnostic and resources to personalize instruction.

Explore Learning

Reflex

- **Grades 2-5**
  - Strengths: This is a completely individual program that is focused on fact fluency for addition, subtraction, multiplication, and division. It is adaptive and supports what the student needs to be successful with their facts. It's free from bias and is presented in a fun and engaging way. The students work to master their facts and are rewarded with tokens to upgrade and modify their avatar. Students can only modify their avatar after completing their daily fact practice.
  - Weaknesses: The program is limited to basic fact recall. It doesn't appear that other aspects of fluency are addressed.
  - Key Features: ExploreLearning Reflex® is a revolutionary research-based system that enables students of all abilities in grades 2-8 to develop instant, effortless recall of math facts in all four operations.
    Key Reflex Features:
    • Adaptive and individualized system continuously monitors each student's performance to create the optimal experience
    • Intuitive and powerful reporting gives educators everything they need to easily monitor and support student progress
    • Anytime, anywhere access lets students build fluency wherever there is Internet access
    • Fun, game-based approach keeps students coming back for more
    • Outstanding results show students of all ages and ability levels make great gains

Gizmos

- **Grades 3-5**
    - Strengths: This program is full of real-world, rigorous, and engaging math simulations. Students may connect with math in context that is meaningful and useful. There are many models and visuals to help students grasp math concepts. The student exploration pages provide many opportunities for written math thinking, discourse, and challenges/extensions.
    - Weaknesses: This program does not contain many assessments or interventions. The digital simulations themselves are not as mathematically powerful without the print student exploration pages, teacher guides, and vocabulary components. Furthermore, the digital simulations are lacking instructions and examples, which students may find difficult to understand the expectations and concepts.
    - Key Features: ExploreLearning Gizmos® are award-winning, interactive online simulations and case studies that drive inquiry and understanding of math in grades 3-12. Subscriptions give teachers and students access to a library of nearly 500 math and science Gizmos that are aligned to Idaho learning standards. With Gizmos, teachers can supplement and enhance students' blended learning experiences with interactive visualizations of math and scientific concepts that are tough to teach and tough to understand. Gizmos simulations help Idaho teachers take advantage of research-proven instructional strategies and enables students of all ability levels to develop conceptual understanding in math.
      Key Gizmos features:
      • Alignment to Idaho math standards and more than 300 leading textbooks
      • Self-directed, inquiry-based lessons for every Gizmo that are ready to use as-is or customizable
      • Formative assessment with instant feedback for students and real-time reports for teachers
      • Flexible for use in whole-group instruction, in small groups, individually, or at home
      • Easy-to-use interface so that time is spent teaching and learning math, not the technology
      • Accessible anywhere there is an Internet connection to support synchronous or asynchronous instruction

Frax Foundations

- **Grades 3-5**

- Strengths: This program teaches 3rd grade fraction standards, starting at the very basic knowledge and goes in depth and beyond. There are many models and visuals to help students grasp and understand fractions. The offline components provide opportunities for additional practice, math discourse, vocabulary and fraction language use, and challenges/extensions.
- Weaknesses: The program does not contain many assessments or interventions. The students must complete the missions in order; the teacher may not assign different missions or change the order, and therefore time may become a factor in implementation of this fractions program. The activities also lack real-world connections.
- Other Notes: This ship's name (F.F.S. Sable) is an acronym that could be interpreted as inappropriate.
- Key Features: Adaptive and game-based, ExploreLearning Frax® uses the latest research-proven instructional methods to create a better way to learn fractions. With Frax, students come to understand that fractions are numbers too. Fun challenges, personalized instruction, and motivating rewards help students build their skills and understanding—all while exploring the galaxy with fractions. Frax Foundations builds the fractions conceptual understanding that students need to do more advanced reasoning and arithmetic.
  Key Frax Foundations Features:
  • Adaptive and individualized instruction that helps every student succeed
  • Story-based missions, each with 3–4 instructional activities
  • Fun, game-based challenges and frequent rewards for effort and progress
  • Real-time monitoring immediately identifies when students need help
  • Anytime, anywhere access lets students learn wherever there is Internet access
  • Research-based conceptual learning strategies that demystify fractions

Houghton Mifflin Harcourt

Into Math

- **Grade 1**
  - Strengths: This program does a good job instructing students through the concrete to pictorial to abstract in mathematics equations. The multi-tiered supports were well planned and the assessments directly aligned to them. The program also utilizes the 3 Reads strategy really well.
  - Weaknesses: There is a lack of family and community support. There is no fluency practice. It does not spiral back to previous strategies. Additional supplements in the area of doubles, making 10s, fluency of math facts and basic

calculation will need to be added to this program to fully meet the Idaho Content Standards.

- Other Notes: In the modules there is a learning mindset section. In this section, students are asked questions about learning effectively, emotion regulation, memory, and other social emotional learning topics.
- Key Features: The ***Into Math*** program's methodology generates deeper understanding of concepts, creates stronger conceptual-to-procedural connections, builds fluency, and embeds real-world application opportunities throughout. ***Into Math*** classrooms are active and collaborative learning environments in which students fearlessly explore mathematical concepts; use analytical, strategic, and critical thinking skills; share ideas and discuss reasoning; use hands-on and digital tools effectively; and exhibit grit, creativity, and tenacity. In ***Into Math***, these facets are woven into the fabric of every lesson.

  Into Math has a purposeful and coherent progression of content designed to ensure that students *first* develop a strong foundation of conceptual understanding with Build Understanding lessons. Then, the Connect Concepts and Skills lessons bridge conceptual understanding and procedural skills. Students further strengthen their skills with various types of procedural and application problems in Apply and Practice lessons. The ***Into Math*** lesson design gives students opportunities to discover the "why" behind the "how" in mathematics. It reshapes the teaching model and enables students to develop deeper understanding and exercise productive perseverance in problem-solving. The student-centered strategies, hands-on learning, active mathematical discourse with *Language Routines* and *Talk Moves*, and continuous integration of Mathematical Practices create optimal experiences that lead to shared understanding.

  Teachers can rely on the ***Into Math*** Teacher's Editions for content-specific differentiated strategies anchored on research and best practices. Every lesson includes *Leveled Questions* (categorized by Depth of Knowledge/complexity level), low-floor high-ceiling *Spark Your Learning* tasks with feedback suggestions in if-then format, *Reteach* and tiered *Intervention* resources, *Challenge* resources and *Extend the Task* activities, supportive *Anchor Chart* models, and leveled options for *Small Groups* and *Math Centers* (On Track, Almost There, and Ready for More).

  Assessments are seamlessly built into the instructional framework and directly connected to options for remediation, intervention, enrichment, or practice. ***Into Math*** includes diagnostic, formative, summative, and the adaptive *HMH Math Growth Measure* benchmark assessment that check understanding and measure and track growth. The assessments, reports, and teacher resources provide teachers with real-time information about students' areas of need, growth, and mastery, as well as solid suggestions for grouping and for differentiating with intervention, enrichment, and practice. A strength of ***Into Math*** is its ability to help teachers make timely, data-driven instructional decisions that keep all learners moving forward. The program's unique framework maximizes the ability to pinpoint areas of need and act immediately. The

system automatically scores the assessments and sends the data, in real-time, to the teacher's Data & Reports page on the Ed platform. The variety of actionable reports provide insights, help drive instructional decisions, and track progress over time.
In an independent study evaluating the efficacy of ***Into Math***, all students achieved statistically significant growth in their mathematics knowledge and skills. The study report is available at https://hmhco.box.com/v/IntoMathEfficacy559G5. In addition, EdReports reviewed ***Into Math*** and gave it their highest rating—"Meets Expectations"—for every Gateway (Focus and Coherence, Rigor and Mathematical Practices, and Usability). In other words, ***Into Math*** earned "all green" ratings from EdReports. Please go to https://www.edreports.org/reports/overview/hmh-into-math-2020 to see the evaluations on the EdReports site.
With its research-based methods, connected resources designed to drive growth, strong support for educators, and ease of use during in-person and remote learning, ***HMH Into Math*** has the power to take students to new levels of achievement.

Into Math

- **Grade 2**
  - Strengths: This program has strengths in student math talk/number talks. It requires students to find multiple solution paths to strengthen their repertoire of strategies. The program has built in differentiation for small groups with helpful lessons and strategies. The assessments in this program are easy to use and give teachers insight on where their students are in math content knowledge.
  - Weaknesses: This program does not have fluency built in. Additionally, there are minimal opportunities to practice skills. The pages do not contain enough problems for students to be able to master the standards. Additionally, there is no true spiral review. The spiral review is only one question on a test prep page. That is not adequate. Additional supplements in the area of regrouping, doubles, making 10s, fluency of math facts and basic calculation will need to be added to this program to fully meet the Idaho Content Standards.
  - Other Notes: In the modules there is a learning mindset section. In this section, students are asked questions about learning effectively, emotion regulation, memory, and other social emotional learning topics.
  - Key Features: The ***Into Math*** program's methodology generates deeper understanding of concepts, creates stronger conceptual-to-procedural connections, builds fluency, and embeds real-world application opportunities throughout. ***Into Math*** classrooms are active and collaborative learning environments in which students fearlessly explore mathematical concepts; use analytical, strategic, and critical thinking skills; share ideas and discuss reasoning; use hands-on and digital tools effectively; and exhibit grit, creativity, and tenacity. In ***Into Math***, these facets are woven into the fabric of every lesson.

Into Math has a purposeful and coherent progression of content designed to ensure that students *first* develop a strong foundation of conceptual understanding with Build Understanding lessons. Then, the Connect Concepts and Skills lessons bridge conceptual understanding and procedural skills. Students further strengthen their skills with various types of procedural and application problems in Apply and Practice lessons. The ***Into Math*** lesson design gives students opportunities to discover the "why" behind the "how" in mathematics. It reshapes the teaching model and enables students to develop deeper understanding and exercise productive perseverance in problem-solving. The student-centered strategies, hands-on learning, active mathematical discourse with *Language Routines* and *Talk Moves*, and continuous integration of Mathematical Practices create optimal experiences that lead to shared understanding.

Teachers can rely on the ***Into Math*** Teacher's Editions for content-specific differentiated strategies anchored on research and best practices. Every lesson includes *Leveled Questions* (categorized by Depth of Knowledge/complexity level), low-floor high-ceiling *Spark Your Learning* tasks with feedback suggestions in if-then format, *Reteach* and tiered *Intervention* resources, *Challenge* resources and *Extend the Task* activities, supportive *Anchor Chart* models, and leveled options for *Small Groups* and *Math Centers* (On Track, Almost There, and Ready for More).

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In an independent study evaluating the efficacy of ***Into Math***, all students achieved statistically significant growth in their mathematics knowledge and skills. The study report is available at https://hmhco.box.com/v/IntoMathEfficacy559G5. In addition, EdReports reviewed ***Into Math*** and gave it their highest rating—"Meets Expectations"—for every Gateway (Focus and Coherence, Rigor and Mathematical Practices, and Usability). In other words, ***Into Math*** earned "all green" ratings from EdReports. Please go to https://www.edreports.org/reports/overview/hmh-into-math-2020 to see the evaluations on the EdReports site.

With its research-based methods, connected resources designed to drive growth, strong support for educators, and ease of use during in-person and remote learning, ***HMH Into Math*** has the power to take students to new levels of achievement.

Into Math

- **Grade 3-5**
    - Strengths: HMH is strong in the area of mathematical practices. It includes many areas of tasks and word problems that cause students to be able think constructively and abstractly such as the STEM tasks before each module, and the Spark Your Learning sections and Step it Out sections throughout the modules. Students will have tons of opportunities to apply their learning and be able to model with mathematics through strategies and use of tools to solve problems, work with peers, and engage in discourse. There are Talk and Turn prompts throughout this curriculum in which students will be able to construct arguments to justify their answers and responses to problems, as well as learn to critique other students' answers and responses. Students will also be encouraged to look for patterns while problem solving and structure throughout the curriculum. This curriculum is designed in a consistent manner throughout each module and grade level. The sections are all the same and the manner in which it is presented to the teacher is consistent throughout, making it easy to navigate for both students and teachers. HMH also is a strong curriculum in being aligned to the Idaho Content Standards in each of the domains. Students will be provided with any opportunities to work in and engage with the content to master the standards. The HMH curriculum provides resources to meet Tier 1 expectations in multi-tiered instruction. It has resources for teachers to use in small groups for reteaching, extra practice, and enrichment. There are resources available in both print and digital formats. HMH has taken student engagement and interests into account with this curriculum. The content and tasks have a variety of authentic contexts that students will be able to relate to and connect with that will keep them engaged with the curriculum.
    - Weaknesses: There were no manipulatives that were included in the materials received for review. If a teacher doesn't have access to manipulatives, this could pose a problem for students in their learning and to model with mathematics. There are math tools that students will need with this curriculum such as base ten blocks, fraction bars, counters, etc. There are online manipulatives available, however, for kinesthetic students, they may not be effective.
      Teachers may need to supplement in the areas of Differentiation, Building Fact Fluency and Telling Time with this curriculum. There are games for building fact fluency, but each game is based on the same theme called "Poggles". Students may lose engagement with a lack of varied themes. There are also limited print materials for differentiation. There were no varied reading levels available. The number of teacher editions makes it very easy for teachers to lose them.

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  Into Math has a purposeful and coherent progression of content designed to ensure that students *first* develop a strong foundation of conceptual understanding with Build Understanding lessons. Then, the Connect Concepts and Skills lessons bridge conceptual understanding and procedural skills. Students further strengthen their skills with various types of procedural and application problems in Apply and Practice lessons. The ***Into Math*** lesson design gives students opportunities to discover the "why" behind the "how" in mathematics. It reshapes the teaching model and enables students to develop deeper understanding and exercise productive perseverance in problem-solving. The student-centered strategies, hands-on learning, active mathematical discourse with *Language Routines* and *Talk Moves*, and continuous integration of Mathematical Practices create optimal experiences that lead to shared understanding.

  Teachers can rely on the ***Into Math*** Teacher's Editions for content-specific differentiated strategies anchored on research and best practices. Every lesson includes *Leveled Questions* (categorized by Depth of Knowledge/complexity level), low-floor high-ceiling *Spark Your Learning* tasks with feedback suggestions in if-then format, *Reteach* and tiered *Intervention* resources, *Challenge* resources and *Extend the Task* activities, supportive *Anchor Chart* models, and leveled options for *Small Groups* and *Math Centers* (On Track, Almost There, and Ready for More).

  Assessments are seamlessly built into the instructional framework and directly connected to options for remediation, intervention, enrichment, or practice. ***Into Math*** includes diagnostic, formative, summative, and the adaptive *HMH Math Growth Measure* benchmark assessment that check understanding and measure and track growth. The assessments, reports, and teacher resources provide teachers with real-time information about students' areas of need, growth, and mastery, as well as solid suggestions for grouping and for differentiating with intervention, enrichment, and practice. A strength of ***Into Math*** is its ability to help teachers make timely, data-driven instructional decisions that keep all learners moving forward. The program's unique framework maximizes the ability to pinpoint areas of need and act immediately. The system automatically scores the assessments and sends the data, in real-time, to the teacher's Data & Reports page on the Ed platform. The variety of actionable reports provide insights, help drive instructional decisions, and track progress over time.

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Imagine Learning

Imagine Learning Illustrative Mathematics

- **Grade K-1**
  - Strengths: The curriculum is based on content standards and mathematical practice standards. The major work of the grade is emphasized, with a lot of repetition and practice throughout the year. Students build on what they know, with increasing rigor through the year. Students are encouraged to use tools and strategies that work best for them. Discourse (through partner work and class discussions) encourages students to think about and grow in their mathematical strategies. Professional development for teachers is embedded in each lesson, enabling teachers to grow in best practices for teaching mathematics.
  - Weaknesses: There are not clear tools for differentiation included in the curriculum. The lessons and teacher-led activities assume a 60-minute math block. While this is ideal, it may not be realistic in many schools. Disabilities like cognitive disabilities are addressed in lessons with Access for Students with Disabilities. The materials give opportunities for all students with activities that use their existing strengths and abilities.
  - Key Features: Imagine Learning Illustrative Mathematics offers a full suite of effective tools and digital materials in an intuitive, easy-to-use platform:
    - Seamless integration for strategic, district-wide instruction
    - Classroom- and Distance Learning-ready lesson plans, teaching guides, and additional instructional materials
    - High-quality K-12 curriculum with both interactive digital and print resources
    - Options for students to show thinking and submit work during asynchronous learning time, upload audio, photos and more
    - Clear data to inform instruction

Imagine Learning Illustrative Mathematics

- **Grade 2**
    - Strengths: The curriculum is based on content standards and mathematical practice standards. The major work of the grade is emphasized, with a lot of repetition and practice throughout the year. Students build on what they know, with increasing rigor through the year. Students are encouraged to use tools and strategies that work best for them. Discourse (through partner work and class discussions) encourages students to think about and grow in their mathematical strategies. Professional development for teachers is embedded in each lesson, enabling teachers to grow in best practices for teaching mathematics.
    - Weaknesses: There are not clear tools for differentiation included in the curriculum. The lessons and teacher-led activities assume a 60-minute math block. While this is ideal, it may not be realistic in many schools. Disabilities like cognitive disabilities are addressed in lessons with Access for Students with Disabilities. The materials give opportunities for all students with activities that use their existing strengths and abilities.
    - Other Notes: In the teacher course guide, there is an explanation of student journals and writing prompts. In the last paragraph on page 86, there is an assertion that it is important for students to make connections between their lived experience and knowledge base. One sentence stands out as potentially problematic in Idaho: “This belief, alongside one of Ladson-Billings’ principles of CRT that states teachers must help students effectively connect their culturally- and community-based knowledge to the learning experiences taking place in the classroom, supports the need to students to continually reflect not only on the mathematics, but on their own beliefs and experiences as well.” There is not a clear definition on this page about what CRT is and how it is used (Ladson-Billings did not think Critical Race Theory should be taught in the K-12 classroom, and did not teach it to her college students) but this could be a “red flag” for those who are looking for evidence of CRT being taught in Idaho’s K-12 schools.
    - Key Features: Imagine Learning Illustrative Mathematics offers a full suite of effective tools and digital materials in an intuitive, easy-to-use platform:
      - Seamless integration for strategic, district-wide instruction
      - Classroom- and Distance Learning-ready lesson plans, teaching guides, and additional instructional materials
      - High-quality K-12 curriculum with both interactive digital and print resources
      - Options for students to show thinking and submit work during asynchronous learning time, upload audio, photos and more
      - Clear data to inform instruction

Imagine Learning Illustrative Mathematics

- **Grade 3**
    - Strengths: The Illustrative Math Grade 3 curriculum offers students a problem-based approach to doing and learning mathematics that is embedded in a relevant context. There are strong ties to the Standards for Mathematical Practice, high levels of discourse, and embedded differentiation strategies for learners. There are professional supports for teachers that encourage the use of a professional learning community. The digital platform allows for teachers and students to access materials easily and allows for the modeling of mathematics. Materials are fully available in both English and Spanish. Districts and schools can modify scope and sequence, and teachers can embed video or audio into the online curriculum.
    - Weaknesses: The timeframe for each lesson is a minimum of 50 to 60 minutes. While there are many opportunities for assessing students, the curriculum does not have a diagnostic test or beginning of the year assessment. Progress monitoring tools are not a traditional "test" but rather are in the form of exit tickets or practice problems. There is not a homework component to this program. Any ideas of "rote" practice, like addition and subtraction drills, are done through center activities.
    - Other Notes: There are optional opportunities for journal prompts that promote SEL related ideas, such as growth mindset and perseverance. Students from many nationalities are shown and may include images of children wearing head coverings, though no religious ideals are mentioned throughout the text.
    - Key Features: Imagine Learning Illustrative Mathematics offers a full suite of effective tools and digital materials in an intuitive, easy-to-use platform:
      - Seamless integration for strategic, district-wide instruction
      - Classroom- and Distance Learning-ready lesson plans, teaching guides, and additional instructional materials
      - High-quality K-12 curriculum with both interactive digital and print resources
      - Options for students to show thinking and submit work during asynchronous learning time, upload audio, photos and more
      - Clear data to inform instruction

Imagine Learning Illustrative Mathematics

- **Grade 4**
    - Strengths: The Illustrative Math Grade 4 curriculum offers students a problem-based approach to doing and learning mathematics that is embedded in a relevant context. There are strong ties to the Standards for Mathematical

Practice, high levels of discourse, and embedded differentiation strategies for learners. There are professional supports for teachers that encourage the use of a professional learning community. The digital platform allows for teachers and students to access materials easily and allows for the modeling of mathematics. Materials are fully available in both English and Spanish. Districts and schools can modify scope and sequence, and teachers can embed video or audio into the online curriculum.

- Weaknesses: The timeframe for each lesson is a minimum of 50 to 60 minutes. While there are many opportunities for assessing students, the curriculum does not have a diagnostic test or beginning of the year assessment. Progress monitoring tools are not a traditional "test" but rather are in the form of exit tickets or practice problems. There is not a homework component to this program. Any ideas of "rote" practice, like addition and subtraction drills, are done through center activities.
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  - Seamless integration for strategic, district-wide instruction
  - Classroom- and Distance Learning-ready lesson plans, teaching guides, and additional instructional materials
  - High-quality K-12 curriculum with both interactive digital and print resources
  - Options for students to show thinking and submit work during asynchronous learning time, upload audio, photos and more
  - Clear data to inform instruction

Imagine Learning Illustrative Mathematics

- **Grade 5**
  - Strengths: The Illustrative Math Grade 5 curriculum offers students a problem-based approach to doing and learning mathematics that is embedded in a relevant context. There are strong ties to the Standards for Mathematical Practice, high levels of discourse, and embedded differentiation strategies for learners. There are professional supports for teachers that encourage the use of a professional learning community. The digital platform allows for teachers and students to access materials easily and allows for the modeling of mathematics. Materials are fully available in both English and Spanish. Districts and schools can

modify scope and sequence, and teachers can embed video or audio into the online curriculum.

- Weaknesses: The timeframe for each lesson is a minimum of 50 to 60 minutes. While there are many opportunities for assessing students, the curriculum does not have a diagnostic test or beginning of the year assessment. Progress monitoring tools are not a traditional "test" but rather are in the form of exit tickets or practice problems. There is not a homework component to this program. Any ideas of "rote" practice, like addition and subtraction drills, are done through center activities.
- Other Notes: There are optional opportunities for journal prompts that promote SEL related ideas, such as growth mindset and perseverance. Students from many nationalities are shown and may include images of children wearing head coverings, though no religious ideals are mentioned throughout the text.
- Key Features: Imagine Learning Illustrative Mathematics offers a full suite of effective tools and digital materials in an intuitive, easy-to-use platform:
  - Seamless integration for strategic, district-wide instruction
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  - Options for students to show thinking and submit work during asynchronous learning time, upload audio, photos and more
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McGraw Hill

Reveal Math

- **Grade K-2**
  - Strengths: Curriculum is clear, teacher manuals are well thought out and thorough and very user friendly. The curriculum incorporates STEM concepts and EL strategies. In addition, it provides differentiation resources that are ready to be implemented and user friendly. Great guidance is provided for teachers on how to provide intervention & enrichment based on formative & summative assessment. Digital resources are age appropriate and support the standards being taught. The curriculum is very coherent and learning targets are very clear. The curriculum provides the teacher with learning progressions (including focus, coherence, and rigor for each lesson with connections to previous content taught) & learning targets to incorporate visible learning. The curriculum provides great essential & guiding questions for all units & lessons. Great effort

has been put into making connections to the real-world and providing real-world scenarios where the skills gained could be applied. The student resources are highly engaging. The curriculum opens with a "Math is" Unit and provides questions throughout for students to develop a strong understanding of what math is and what it means to be a mathematician.

- Weaknesses: Digital interface is not very user friendly, but with training and/or user manuals from the publisher this could be overcome. It was unclear how to edit assessments on the digital platform provided.
- Other Notes: The curriculum utilizes images that are diverse without stereotyping based on gender, race, or nationality. There is no discussion of any controversial topics. The curriculum does incorporate social emotional learning focusing on self-awareness, responsibility, and communication.
- Key Features: *Reveal Math*, a balanced elementary math program, develops the problem solvers of tomorrow by incorporating both inquiry-focused and teacher-guided instructional strategies within each lesson. In order to uncover the full potential in every student, Reveal Math:
    - Champions a positive classroom environment centered on curiosity, connection, and social-emotional development.
    - Explores mathematics through a flexible lesson design providing access to rigorous instruction with built in teacher supports and scaffolds.
    - Tailors classroom activities to student need through insightful assessment and purposeful, multi-modal differentiation.

  Key Features of Reveal Math include:
    - 2 Ways to Teach Every Lesson: For the lesson's main instruction, the teacher has two ways to teach every single lesson within Reveal Math, Activity-Based Exploration allows students to explore concepts, develop and test hypotheses, and—most importantly—engage in productive struggle as they problem solve and generalize learning. Guided Exploration follows a teacher-facilitated exploration with a question-and-answer format and collaboration to promote rich discourse.
    - Flexible Lesson Design: Reveal Math's lesson model focuses on sense making and the exploration of mathematics through rich discourse and productive struggle. Every lesson launches with an opportunity to be curious with a high ceiling, low floor discussion where all student ideas are welcomed and respected. Teachers have two options to build upon those ideas, Activity-based or Guided Exploration. Flexible options allow teachers to decide how best to the to set up her classroom for the day. Embedded instructional supports, such as routines and effective teaching practices, ensure the classroom is productive and effective in creating deep understanding of mathematics.
    - Number Routine Instructional routines are embedded within every Reveal Math lesson to support a productive classroom. Number Routines Support the development of flexibility with numbers and fluency with operations at the start of every lesson. Daily focus on number sense helps ensure that all students build a strong mathematical foundation. Teachers can flexibly use Number Routines whenever it fits into their day to focus on number sense.

- Differentiation: Differentiation within Reveal Math is informed by lesson's daily exit ticket provides a variety of engaging, multi-modal activities with different delivery options that students can focus on for that lesson. This means there are differentiated activities for any way you like to set up differentiation in your classroom.
- Data/Intervention All of Reveal Math Assessment is designed to be purposeful to the instructional design of the program and easy to act on with point of use item analysis, recommendations, and targeted intervention resources. This allows teachers to adjust instruction to respond to student needs.
- Multiple Ways to Practice: Students have a variety of practice embedded within each unit that each serve a purchase to help develop proficiency and prepare for end of year assessments. Options include digital and print with either digital or print formats for each type of practice.

Reveal Math

- **Grade 3-5**
  - Strengths: The "Math Is…" unit is very strong. Materials and activities are engaging. The performance tasks and exploration-based activities are strong and engaging.
  - Weaknesses: The program does not fit the needs of all students, differentiation and support are lacking. The online program has a huge learning curve before a user is able to use it effectively. There is a lack of editability for the materials.
  - Other Notes: Reveal Math materials are available in Spanish and English, but they rely on Google Translate for all other languages.
  - Key Features: *Reveal Math*, a balanced elementary math program, develops the problem solvers of tomorrow by incorporating both inquiry-focused and teacher-guided instructional strategies within each lesson. In order to uncover the full potential in every student, Reveal Math:
    - Champions a positive classroom environment centered on curiosity, connection, and social-emotional development.
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Savvas

Investigations in Number, Data, and Space

- **Grade K**
  - Strengths: Investigations 3 incorporates many of the mathematical practices in each unit and it covers all of them throughout the curriculum. There is an abundance of fluency and counting practice through activities and daily routines. It covers all of the content standards for kindergarten. It also utilizes math workshops well to differentiate instruction based on student's needs. Communication with family is accomplished well with the resources given. Student engagement is high.
  - Weaknesses: This program does not have any formal assessments to administer to the students. The only assessment tools in kindergarten are the assessment checklists. This curriculum does not have supplemental resources to pull from. There aren't any editable resources online for assessments/assignments.
  - Other Notes: This curriculum remains neutral in its story problems and activities that the students engage in.

- Key Features: *Investigations 3* was designed around a coherent organization of content with connections both from grade to grade and within the different math domains at each grade. Developed by TERC, *Investigations 3*represents the culmination of over 20 years of research and development aimed at improving the teaching and learning of elementary mathematics.
  The Standards for Mathematical Content and Practice are embedded throughout the program to help teachers promote active thinking and learning, exploration of math ideas, and development of conceptual understanding and computational fluency for their students.
  The units across grades represent a logical vertical progression of concepts and skills that fully address the standards in a developmentally appropriate and practical manner. Through repeated application and comparison of various strategies and algorithms, students develop understanding of which method is efficient for a particular type of problem. Abstract and quantitative reasoning are reinforced in challenging games as well as Classroom Routines (K–2) and Ten-Minute Math (3–5). The Math Words and Ideas digital feature is a resource that summarizes and illustrates important words and concepts at each grade. Students can revisit and review the important mathematics they are working with throughout the year—in school and at home.
  Math discussions are an integral part of *Investigations 3*. Students express and defend math arguments using a variety of representations, contexts, and examples to support their conclusions and provide feedback about the arguments made by their classmates. Instruction emphasizes that often, more than one strategy can be used to solve a problem.
  Through games in *Investigations 3*, students practice important math concepts and skills to help deepen their understanding and reasoning. Games also provide opportunities for families to do math together through our Savvas Realize platform.
  Investigations 3 provides real-world, problem-based learning to support students in developing deeper understanding of mathematics. While some problems are science-related, all feature practice in the habits of mind necessary to succeed in the STEM subject areas.

Investigations in Number, Data, and Space

- **Grade 1**
  - Strengths: Investigations 3 incorporates many of the mathematical practices in each unit and it covers all of them throughout the curriculum. There is an abundance of fluency and counting practice through activities and daily routines. It covers all of the major content standards for Grade 1. It also utilizes math workshops well to differentiate instruction based on student's needs. Communication with family is accomplished well with the resources given. Student engagement is high. This program has assessment checklists for teacher observations and formal assessments to administer to the students.
  - Weaknesses: This program does not have any formal assessments to administer to the students. The only assessment tools in kindergarten are the assessment

checklists. This curriculum does not have supplemental resources to pull from. There aren't any editable resources online for assessments/assignments.

- Other Notes: This curriculum remains neutral in its story problems and activities that the students engage in.
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Investigations in Number, Data, and Space

- **Grade 2**
  - Strengths: Investigations 3 incorporates many of the mathematical practices in each unit and it covers all of them throughout the curriculum. There is an abundance of fluency and counting practice through activities and daily routines. It covers all of the content standards for Grade 2. It also utilizes math workshops well to differentiate instruction based on student's needs. Communication with family is accomplished well with the resources given. Student engagement is high. This program has assessment checklists for teacher observations and

formal assessments to administer to the students. Investigations in Number, Data, and Space

- Weaknesses: This program does not have any formal assessments to administer to the students. The only assessment tools in kindergarten are the assessment checklists. This curriculum does not have supplemental resources to pull from. There aren't any editable resources online for assessments/assignments.
- Other Notes: This curriculum remains neutral in its story problems and activities that the students engage in.
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Investigations in Number, Data, and Space

- **Grade 3**
  - Strengths: The math words and ideas exposure of the academic vocabulary. Access to the digital tools is beneficial to students and teachers. The spiral

review throughout the year in the homework assignments is a great tool to maintain what they have learned.

- Weaknesses: The weaknesses found in the curriculum is the lack of resources for small group interventions. The digital resources lack of organization. The standard for Number and Operations-Fractions lacks the practice needed in Grade 3 to prepare students for Grade 4.
- Other notes: The curriculum is available in English and Spanish.
- Key Features: *Investigations 3* was designed around a coherent organization of content with connections both from grade to grade and within the different math domains at each grade. Developed by TERC, *Investigations 3*represents the culmination of over 20 years of research and development aimed at improving the teaching and learning of elementary mathematics.
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  Investigations 3 provides real-world, problem-based learning to support students in developing deeper understanding of mathematics. While some problems are science-related, all feature practice in the habits of mind necessary to succeed in the STEM subject areas.

Investigations in Number, Data, and Space

- **Grade 4-5**
  - Strengths: The math words and ideas exposure of the academic vocabulary. Access to the digital tools is beneficial to students and teachers. The spiral review throughout the year in the homework assignments is a great tool to maintain what they have learned.

- Weaknesses: The weaknesses found in the curriculum is the lack of resources for small group interventions. The digital resources lack of organization.
- Other notes: The curriculum is available in English and Spanish.
- Key Features: *Investigations 3* was designed around a coherent organization of content with connections both from grade to grade and within the different math domains at each grade. Developed by TERC, *Investigations 3*represents the culmination of over 20 years of research and development aimed at improving the teaching and learning of elementary mathematics.
  The Standards for Mathematical Content and Practice are embedded throughout the program to help teachers promote active thinking and learning, exploration of math ideas, and development of conceptual understanding and computational fluency for their students.
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  Through games in *Investigations 3*, students practice important math concepts and skills to help deepen their understanding and reasoning. Games also provide opportunities for families to do math together through our Savvas Realize platform.
  Investigations 3 provides real-world, problem-based learning to support students in developing deeper understanding of mathematics. While some problems are science-related, all feature practice in the habits of mind necessary to succeed in the STEM subject areas.

enVision Mathematics

- **Grade K**
  - Strengths:
    - **Varied use of assessment practices**
      - SE: 51-56, 85-88, 131-136 (Summative Assessments) SE: 2,58, 90 **Review What You Know** (Pre-Assessments) and 4, 92, 172 **3-ACT Math Preview**
    - **Project Based Learning:** SE: 3, 59, 91
    - **STEM**: SE: 1, 57, 89
    - **Solve and Share** Math Discussions and partner work: SE: 185, 213, 221

- Weaknesses: Company referenced digital manipulatives but made no mention of physical manipulatives.
  Examples:
  SE: (Page 5) **Directions**-Have students place counters in the nests on the work mat.
  (Page 13) **Directions-**Place counters in the large cloud on the work mat to show how many stars.
  (Page 61) **Directions**-Use counters to show your work.
  (Page 77) **Directions-**Take 1 cube at a time from the bag and place it on your mat.
  (Page 97) **Directions**-Choose a number card to tell how many.
  The company stated that it only provides one paper page per topic to practice fluency.
  Examples:
  SE: (Page 198) Review What You Know
  (Page 246) Review What You Know
  (Page 290) Review What You Know
- Other Notes: The company notes that the program is available in both English and Spanish. It does not mention it is available in other languages.
- Key Features: *enVision Mathematics* 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.
  enVision Mathematics 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. Interactive digital practice provides a strong, student independent practice leveling experience and parallel, leveled print student practice components are also provided.
  enVision Mathematics 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.
  enVision Mathematics digital courseware is hosted on Savvas Realize™ learning management system. Savvas Realize provides a vast array of engaging, interactive learning experiences, videos, practice opportunities, and interactivities for students, as well as comprehensive supports and resources for teachers. With Savvas Realize, teachers can customize their courses to fit their needs, and get real-time data on how students are progressing in order to help inform instruction. Online interactives, math tutorials, adaptive learning, and differentiation supports every learner. Single sign-on Savvas Realize™ improves district-wide alignment, collaboration, and student data tracking. Savvas Realize works with Google rosterSync™, Google Classroom™, Google Drive™, Canvas, and Schoology.

enVision Mathematics

- **Grade 1**
    - Strengths: enVision Mathematics has paid close attention to integrating the Standards for Mathematical Practice. They are easily found in every lesson. Each lesson also has the progression from concrete to visual and eventually to abstract. The rigorous and rich real-world problems bring math to life and the student choice promotes student engagement. Every lesson offers opportunities for students to practice mathematical discourse and strategies.
    - Weaknesses: The program relies a lot on digital aspects. If a school does not have access to digital materials, they will not be able to get the full breadth of this curriculum. It is unclear whether any manipulatives are provided (counters, cubes, etc.) or if they are only digital.
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enVision Mathematics

- **Grade 2**
    - Strengths:
        - **Varied use of assessment practices**
            Review What You Know & 3-ACT Math Preview
        - **Project Based Learning**
        - **STEM Activities**
        - **Solve and Share** Math Discussions and partner work
    - Weaknesses: Company referenced digital manipulatives but made no mention of physical manipulatives. The company stated that it only provides one paper page per topic to practice fluency.
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      enVision Mathematics digital courseware is hosted on Savvas Realize™ learning management system. Savvas Realize provides a vast array of engaging, interactive learning experiences, videos, practice opportunities, and interactivities for students, as well as comprehensive supports and resources for teachers. With Savvas Realize, teachers can customize their courses to fit their needs, and get real-time data on how students are progressing in order to help inform instruction. Online interactives, math tutorials, adaptive learning, and differentiation supports every learner. Single sign-on Savvas Realize™ improves district-wide alignment, collaboration, and student data tracking. Savvas Realize works with Google rosterSync™, Google Classroom™, Google Drive™, Canvas, and Schoology.

enVision Mathematics

- **Grade 3-5**
    - Strengths: enVision provides students multiple tasks to engage in problem solving. The mathematical practices are developed in an ongoing approach as the concepts are developed. The assessment and intervention components are well developed for students below, at, and above grade level. There are multiple opportunities to formatively assess learning during the lessons. The consistency of what to expect in a day with the routines allows students and teachers to focus on the mathematical concepts while reducing anxiety.
    - Weaknesses: Concepts are taught in isolation with very minimal review of previously taught ideas. There is also a lack of math fact fluency to allow automaticity in the math facts.
    - Other Notes: The editable documents are only in MS Word and many educational users only have access to Google.
    - Key Features: *enVision Mathematics* 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.
      enVision Mathematics 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. Interactive digital practice provides a strong, student independent practice leveling experience and parallel, leveled print student practice components are also provided.
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Zaner Bloser

Build Fact Fluency: A Toolkit for Addition & Subtraction

- **Grades K-2**
    - Strengths: Building Fact Fluency is a well-rounded and engaging program for building procedural fluency in addition and subtraction for grades K-2, The program provides a variety of activities to accomplish this, and an opportunity for student collaboration and conversations.
    - Weaknesses: As a program focused on procedural fluency of addition and subtraction facts, the program is limited in it applicability to broader concepts and content standards found in associated grades, and would not be suitable as a comprehensive program, but rather a component program.
    - Key Features: Building Fact Fluency toolkits (Addition & Subtraction and Multiplication & Division) help students develop deep conceptual understanding of the operations and fact fluency at the same time. Research-based and standards-aligned, each toolkit invites students to think strategically about mathematics through multiple, rich, real-world contexts. These accessible contexts allow students to see how number facts connect to a wide variety of mathematical situations, explore the properties of the operations, and build a foundation of strategies they can draw from efficiently and with confidence.

Build Fact Fluency: A Toolkit for Multiplication & Division

- **Grades 3-5**
    - Strengths: This program is full of model, visuals, and real-world problems to teach multiplication and division concepts. The program focuses on developing a deep conceptual understanding while building procedural fluency. The program includes a variety of games, activities, and tasks to expose students to a multitude of strategies and contexts.
    - Weaknesses: There is little assessment or intervention, and it is also weak in supporting struggling learners or those with disabilities.
    - Other Notes: There are some situations in word problems where students are picking peaches or gathering eggs. This may be sensitive to certain populations.
    - Key Features: Building Fact Fluency toolkits (Addition & Subtraction and Multiplication & Division) help students develop deep conceptual understanding of the operations and fact fluency at the same time. Research-based and standards-aligned, each toolkit invites students to think strategically about mathematics through multiple, rich, real-world contexts. These accessible contexts allow students to see how number facts connect to a wide variety of

mathematical situations, explore the properties of the operations, and build a foundation of strategies they can draw from efficiently and with confidence.

For Questions Contact

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