

COMPONENT K-5 MATHEMATICS PROGRAMS						
Publisher	Title of Material	Author	Copyright	Grade Level	ISBN	Recommendation
ExploreLearning	Reflex (Idaho Edition Student License 6-Year Subscription)	ExploreLearning	2015	2-5	978-1-4916-0801-2	Component
<p>Notes: The sole purpose of this program is to build basic math fact fluency.</p> <p>Strengths: The Reflex program does a great job of accomplishing its objective which is to build basic math fact fluency. The program engages and optimizes each student's individual learning experience. The program is most successful when used for 15-20 minutes each day rather than larger chunks of class or homework time sporadically. It can be accessed anywhere with internet and there is an app available.</p> <p>Weakness: Reflex was not created to develop conceptual understanding and therefore does not cover requirements needed to meet the necessary evidence required for those categories (Rigor and Balance, Standards of Mathematical Practice).</p> <p>Key Features: ExploreLearning <i>Reflex</i> is an adaptive and individualized online system which helps students in grades 2–8 develop instant recall of their basic math facts (Addition-Subtraction 0 – 10, Multiplication-Division 0 – 10, or Multiplication-Division 0 – 12). Key <i>Reflex</i> features include:</p> <ul style="list-style-type: none"> ▪ Adaptive and individualized instruction: <i>Reflex</i> continuously monitors and adapts to each student's performance to create the optimal experience for every student. ▪ Intuitive and powerful reporting: Educators have everything they need to easily monitor and support student progress in <i>Reflex</i>. ▪ Game-based design: <i>Reflex</i> uses engaging games and rewards to create a highly motivational environment that encourages student effort and progress. <p>Flexible and accessible implementation: <i>Reflex</i> can be used with students of all ability levels; anywhere there is an Internet connection.</p>						
Publisher	Title of Material	Author	Copyright	Grade Level	ISBN	Recommendation
LearnBop/Fuel Education	LearnBop	various	NA	3-5	NA	Component
<p>Notes: LearnBop was developed to be used as an intervention program and/or a check for mastery of specific skills/standards. LearnBop does this in a way that each student's individual learning experience by providing instruction when needed and progressing without instruction when students demonstrate mastery.</p> <p>LearnBop was not created to provide core instruction to students or to develop fluency and therefore does not cover requirements needed to meet the necessary evidence required for those categories.</p> <p>The individualized instruction is helpful as a supplement to core curriculum instruction. In isolation, students would not be given ample exposure to the content to reach mastery and deep conceptual understanding.</p> <p>The strength of this program is that it is highly modifiable by the teacher to fit classes and individuals as they need the help. The program is easily accessible for the parent to help their children.</p> <p>Key Features: LearnBop®, an exclusive partner of Fuel Education's™ is an online math tutoring program that simultaneously serves as an assessment and diagnostic tool as an automated math tutoring system which uses a unique step-by-step approach to learning math,</p>						

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	<p>mimicking the kind of support a student would get in a tutoring session.</p> <p>LearnBop allows students to investigate math concepts at their own pace and in their own progression to differentiate instruction. Since LearnBop is segmented into domains and concepts instructors can have students stop after predetermined problems to provide further learning and discussion one-to-one, in a live class-wide forum or through small groups. Any teacher using LearnBop <i>has access to and can assign/use any of the content from the K – 12 Content Suite</i> with their classes.</p> <p>If a student makes a real time mistake or asks for help, the automated tutoring system breaks the problem down and guides the student. The one-on-one interactive platform offers hints, visuals, and videos for each student to self-pace in order to gain mastery before moving on to the next concept.</p> <p>Each step covers a concept students need to understand in order to solve a mathematical problem, helping to master math concepts with confidence. Data on student performance is collected as students learn. This granular data is organized in an intuitive dashboard that provide teachers with a dynamic view of class performance, down to each individual student saving the teacher time.</p> <p>Teachers integrate this learning experience based on the unique learning contours and performance of their own classroom while ensuring Common Core standards are integrated into the learning experience with automatically generated interventions down to the pre-requisite skill level. The results are teachers able to individualize instruction and make informed group instruction that fills learning gaps and increases test scores.</p>					
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The Math Learning Center	Bridges in Mathematics	Mattasa, Rubini, and Fisher	2015	K	9781602625082	Component
<p>Notes:</p> <p>Strengths:</p> <ul style="list-style-type: none"> • Curriculum has a consistent format and many learning through play activities <p>Weaknesses:</p> <ul style="list-style-type: none"> • Curriculum is hard to navigate and not teacher friendly. Online materials are difficult to navigate, not hyperlinks to units, modules, sessions, etc. • Lots of teacher prep for workplaces and a lot of copying (teacher will need a large copy budge just for math curriculum if you go the online route). • Differentiation for ELL, Support and Challenge are evident, but difficult to find and provide very weak and minimal support. • Cluster heading objectives are not visible throughout each lesson, module, or unit. 						
<p>Key Features:</p> <p>Bridges in Mathematics is a comprehensive K–5 curriculum that equips teachers to fully implement the Common Core State Standards for Mathematics in a manner that is rigorous, coherent, engaging, and accessible to all learners. The curriculum focuses on developing students’ deep understandings of mathematical concepts, proficiency with key skills, and ability to solve complex and novel problems. Bridges blends direct instruction, structured investigation, and open exploration. It taps into the intelligence and strengths of all students by presenting material that is as linguistically, visually, and kinesthetically rich as it is mathematically powerful.</p>						

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The Math Learning Center	Bridges in Mathematics	Frykholm and Scheafer	2015	1	9781602625099	Component
	Notes: Strengths: <ul style="list-style-type: none"> • Curriculum has a consistent format and many learning through play activities Weaknesses: <ul style="list-style-type: none"> • Curriculum is hard to navigate and not teacher friendly. Online materials are difficult to navigate, not hyperlinks to units, modules, sessions, etc. • Lots of teacher prep for workplaces and a lot of copying (teacher will need a large copy budget just for math curriculum if you go the online route). • Differentiation for ELL, Support and Challenge are evident, but difficult to find and provide very weak and minimal support. Cluster heading objectives are not visible throughout each lesson, module, or unit.					
	Key Features: Bridges in Mathematics is a comprehensive K–5 curriculum that equips teachers to fully implement the Common Core State Standards for Mathematics in a manner that is rigorous, coherent, engaging, and accessible to all learners. The curriculum focuses on developing students’ deep understandings of mathematical concepts, proficiency with key skills, and ability to solve complex and novel problems. Bridges blends direct instruction, structured investigation, and open exploration. It taps into the intelligence and strengths of all students by presenting material that is as linguistically, visually, and kinesthetically rich as it is mathematically powerful.					
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The Math Learning Center	Bridges in Mathematics	Frykholm and McMahon	2015	2	9781602625105	Component
	Notes: This program meets every non-negotiable. However, it is lacking in some addition support (such as addition tables and addition properties). Additionally, the ELL and differentiation support is severely lacking. Furthermore, the organization of the program is cumbersome and this program could not be implemented without the purchase of manipulatives and supplies.					
	Key Features: Bridges in Mathematics is a comprehensive K–5 curriculum that equips teachers to fully implement the Common Core State Standards for Mathematics in a manner that is rigorous, coherent, engaging, and accessible to all learners. The curriculum focuses on developing students’ deep understandings of mathematical concepts, proficiency with key skills, and ability to solve complex and novel problems. Bridges blends direct instruction, structured investigation, and open exploration. It taps into the intelligence and strengths of all students by presenting material that is as linguistically, visually, and kinesthetically rich as it is mathematically powerful.					

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The Math Learning Center	Bridges in Mathematics	Baker, Chandler, Fisher, Harris, and Cooke	2015	3	9781602625112	Component
	<p>Notes: This program meets most of the components of a core program, however it teaches and assesses above grade level material, and it is also lacking in ELL and differentiation support. Furthermore, the organization of the materials in binder is cumbersome and districts must purchase many additional manipulatives and supplies in order to fully implement.</p>					
	<p>Key Features: Bridges in Mathematics is a comprehensive K–5 curriculum that equips teachers to fully implement the Common Core State Standards for Mathematics in a manner that is rigorous, coherent, engaging, and accessible to all learners. The curriculum focuses on developing students’ deep understandings of mathematical concepts, proficiency with key skills, and ability to solve complex and novel problems. Bridges blends direct instruction, structured investigation, and open exploration. It taps into the intelligence and strengths of all students by presenting material that is as linguistically, visually, and kinesthetically rich as it is mathematically powerful.</p>					

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