

## Reviewer Checklist for Math Instructional Materials

Category	Indicators
<b>Curriculum Alignment</b>	<ul style="list-style-type: none"> <li><input type="checkbox"/> There is alignment with CCSS or state-specific standards at each grade level for college and career readiness.</li> <li><input type="checkbox"/> The pacing is designed to comfortably cover the extent of the grade-level standards prior to state assessments.</li> <li><input type="checkbox"/> The connections between supporting content and the major work of the grade are clearly indicated.</li> <li><input type="checkbox"/> Student learning objectives/outcomes are aligned with grade-level standards.</li> </ul>
<b>Content Quality</b>	<ul style="list-style-type: none"> <li><input type="checkbox"/> The materials cover content depth, accuracy, and clarity of mathematical content.</li> <li><input type="checkbox"/> The content reflects a balance of conceptual, procedural, and application skills.</li> <li><input type="checkbox"/> The materials reflect clear explanations of concepts and procedures.</li> </ul>
<b>Instructional Design</b>	<ul style="list-style-type: none"> <li><input type="checkbox"/> There is evidence that the program development is based on mathematics learning research and evidence-based practices.</li> <li><input type="checkbox"/> The materials are designed for each student's regular and active participation in grade-level/series content.</li> <li><input type="checkbox"/> There are opportunities for students to engage with, discuss, problem solve, and deeply understand mathematics.</li> <li><input type="checkbox"/> The program demonstrates evidence-based results.</li> </ul>
<b>Practice and Application</b>	<ul style="list-style-type: none"> <li><input type="checkbox"/> The materials are designed to develop fluent problem solvers.</li> <li><input type="checkbox"/> Opportunities are provided for students to apply concepts and strategies to solve authentic, real-world problems.</li> <li><input type="checkbox"/> The materials include opportunities to make meaningful cross-curricular connections.</li> <li><input type="checkbox"/> Prompts and activities are included to foster critical thinking and problem-solving skills.</li> </ul>
<b>Instructional Support</b>	<ul style="list-style-type: none"> <li><input type="checkbox"/> The materials include teacher guides, lesson plans, pacing guides, and assessment tools to support planning/instructional efficiency.</li> <li><input type="checkbox"/> Differentiated instructional strategies, resources, and activities are provided.</li> <li><input type="checkbox"/> Guidance for student grouping strategies is included, with materials that support flexible grouping arrangements.</li> <li><input type="checkbox"/> Strategies and supports for multilingual and English Language Learner (ELL) students are evident in the materials, including language-rich tasks and differentiated activities.</li> </ul>

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<b>Engagement and Accessibility</b>	<ul style="list-style-type: none"> <li>❑ The materials provide opportunities for students to explore math through open-ended questions, investigative tasks, and real-world projects.</li> <li>❑ Opportunities are provided for students to collaborate in small groups, pairs, whole-class instruction, and flexible groupings.</li> <li>❑ Strategies and opportunities for students to engage in speaking, listening, reading, and writing to learn the content.</li> <li>❑ Supports are available for fostering growth mindset, and encouraging students' active and thoughtful participation in the content.</li> <li>❑ There are resources for family engagement to support student achievement.</li> <li>❑ Diverse instructional strategies are employed to address varied learning needs.</li> </ul>
<b>Asset-Based Instruction</b>	<ul style="list-style-type: none"> <li>❑ The materials reflect diverse cultures and perspectives so that students see themselves in mathematics.</li> <li>❑ Authentic opportunities are provided for students to share their varied experiences, viewpoints, and strategies during learning.</li> <li>❑ Teacher support is centered on using students' strengths to build a foundation for gaining new knowledge.</li> <li>❑ Demographic diversity, including race, ethnicity, gender, and other factors, is evident within the materials.</li> </ul>
<b>Assessments</b>	<ul style="list-style-type: none"> <li>❑ There is a system of assessments with frequent opportunities to monitor student learning.</li> <li>❑ The program assessments are standards-aligned.</li> <li>❑ Assessments are aligned with learning progressions and student outcomes.</li> <li>❑ Teachers have access to reporting for monitoring student progress.</li> <li>❑ Administrators have access to reporting for school and district progress.</li> </ul>
<b>Purposeful Technology Integration</b>	<ul style="list-style-type: none"> <li>❑ The materials include the integration of dynamic mathematics technology resources to enrich learning</li> <li>❑ The materials provide teacher support and guidance for using embedded technology to enhance learning.</li> </ul>
<b>Professional Learning</b>	<ul style="list-style-type: none"> <li>❑ The materials offer guidance for teachers with suggestions for implementing student materials and using ancillary materials.</li> <li>❑ The materials provide teachers with visibility into items needed for grade-level instructional support and individual instructional activities.</li> <li>❑ Opportunities are provided for teachers to further their own understanding of the content.</li> </ul>

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