

## Louisiana Math Refresh Comprehensive Plan

All Louisiana students will have improved math outcomes when the four pillars of high-quality mathematics instruction designed for accelerating learning are effectively implemented at the school, system, and state levels.



school structures prioritize **all students'** successful engagement in **high-quality, grade-level core math instruction** alongside peers



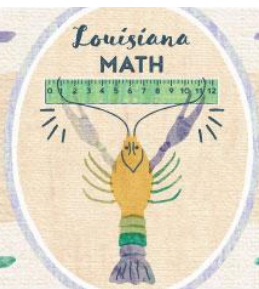
**timely, proactive interventions** connecting prerequisite learning to upcoming and current grade-level work




ongoing **professional learning and proactive planning** are essential for effective teaching and accelerating

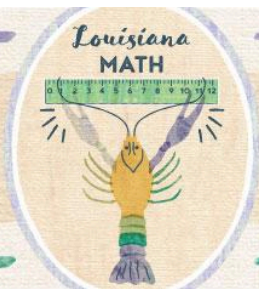



**families, caregivers, and communities** play an essential role at all ages and stages

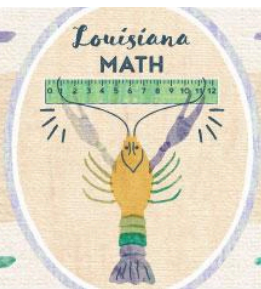



Pillar	State Actions	School System/Lead Agency Actions
<p><b>Centering access to high-quality, grade-level math:</b> All students engage in high-quality, grade-level core mathematics instruction alongside peers.</p> 	<p>Conduct <a href="#">Instructional Materials Reviews</a> (IMR) to evaluate curriculum for quality alignment to Louisiana Student Standards for Mathematics and provide information and support to systems to aid local decision-making.</p>	<p>Lead a selection process to determine local materials and provide teachers and students access to high-quality curriculum and resources for core mathematics instruction.</p>
	<p>Aid schools and systems in selecting and implementing high-quality instructional materials:</p> <ul style="list-style-type: none"> <li>• <a href="#">guidance</a> and funding support included in the School System Planning process</li> <li>• publication of the <a href="#">Math Refresh Leader Toolkit</a>, including a tool to evaluate locally selected materials for quality and support implementation of HQIM.</li> <li>• provide <a href="#">Zearn K-8 Statewide Access</a> through the 2025-2026 school year.</li> </ul>	<p>Use the <a href="#">Math Refresh Leader Toolkit</a> to:</p> <ul style="list-style-type: none"> <li>• Build leader understanding to support math instruction and ensure instructional coherence.</li> <li>• Support teachers in analyzing student work and reflecting on their instructional practices</li> <li>• Appraise current programming during all math instruction time and make revisions designed to build instructional coherence in all settings (core instruction, intervention, tutoring time, and summer learning programs).</li> <li>• Eliminate the use of lower quality and/or misaligned resources and platforms.</li> </ul>
	<p>Propose a review of the K-12 Louisiana Student Standards for Mathematics.</p>	<ul style="list-style-type: none"> <li>• Nominate educators for participation in the review process.</li> <li>• Train and support implementation of the revised standards.</li> </ul>



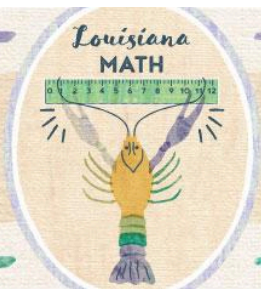



Pillar	State Actions	School System/Lead Agency Actions
<p><b>Individualized support connected to current and upcoming learning:</b> Students with unfinished math learning receive timely, proactive interventions that connect prerequisite learning to current and upcoming grade-level work.</p> 	<p>Provide systems with training and support on evidence-based, high-leverage instructional practices for accelerating math learning.</p> <ul style="list-style-type: none"> <li>• The <a href="#">Accelerating Mathematics Instruction Guidance</a> codifies what the practice of learning acceleration does and does not include.</li> </ul>	<p>Train and support teachers, tutors, and leaders in <a href="#">Accelerating Mathematics Instruction Guidance</a>.</p>
	<p>Build the necessary tools to attend to the unique needs of Louisiana systems and schools:</p> <ul style="list-style-type: none"> <li>• <a href="#">Accelerate Math K-12 Resources</a></li> <li>• <a href="#">Zearn K-8 Statewide Access</a></li> <li>• Acceleration Tools via <a href="#">ASSISTments</a></li> </ul>	<p>Purchase materials and professional learning and set clear expectations for implementation so teachers can successfully address unfinished learning through acceleration.</p>
	<p><a href="#">FLAME (Foundational Lessons to Accelerate Math Education)</a> provides teachers additional resources for building foundational math skills and grade-appropriate fluency in grades K-8.</p>	<p>Encourage the utilization of <a href="#">FLAME</a> as a complement to HQIM during small-group instruction or mini-lessons to</p> <ul style="list-style-type: none"> <li>• identify students who need fluency support;</li> <li>• support student growth in grade-level fluency skills; and</li> <li>• and track progress toward expected fluencies.</li> </ul>
	<p>Provide systems with guidance through the <a href="#">Math Refresh Leader Toolkit</a> for the effective design and implementation of extra support time:</p> <ul style="list-style-type: none"> <li>• tutoring</li> <li>• intervention</li> <li>• summer learning programs</li> </ul>	<p>Create opportunities for all students to engage in additional math learning time via intervention, tutoring, and/or access to a summer learning program.</p>



Pillar	State Actions	School System/Lead Agency Actions
<p>Ongoing <b>professional learning, quality resources, and proactive planning</b> are essential for effective teaching and accelerating math readiness.</p> 	<p>Develop <a href="#">professional learning</a> for 4th-8th grade math teachers focused on</p> <ul style="list-style-type: none"> <li>• foundational numeracy skills instruction;</li> <li>• vertical alignment of mathematical concepts leading to Algebra;</li> <li>• building positive math dispositions; and</li> <li>• connecting to HQIM implementation.</li> </ul>	<p>Support 4th-8th grade teachers in completing professional learning and transferring new learning into classroom practices.</p>
	<p>Develop additions to the <a href="#">Louisiana Professional Learning Roadmap</a> including</p> <ul style="list-style-type: none"> <li>• resources for leaders to use during ILT meetings;</li> <li>• planning documents for leaders and teachers to use during teacher collaboration; and</li> <li>• video training to support new teachers.</li> </ul>	<p>Utilize mathematics-specific resources during Instructional Leadership Team and Teacher Collaboration meetings.</p>





Pillar	State Actions	School System/Lead Agency Actions
<p>Families, caregivers, and communities play an essential role in the math development of children at all ages and stages</p> 	<ul style="list-style-type: none"> <li>• Develop the <a href="#">Summer Family Engagement Toolkit</a>.               <ul style="list-style-type: none"> <li>○ social media resources to support family awareness</li> <li>○ Zearn access information and tutorials for families</li> <li>○ <a href="#">hands-on math activities</a> for families to use at home</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Utilize the <a href="#">Summer Family Engagement Toolkit</a> in newsletters, emails, and social media               <ul style="list-style-type: none"> <li>○ Disseminate to school system communication teams</li> <li>○ Disseminate to schools</li> </ul> </li> </ul>

Updated May 8, 2024