



Louisiana Math Refresh Comprehensive Plan

All Louisiana students will have improved math outcomes when these 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




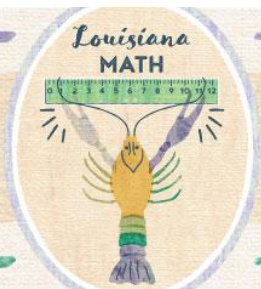
families, caregivers, and communities play an essential role at all ages and stages




Pillar	State Actions	School System/Lead Agency Actions
<p>Centering access to high-quality, grade-level math: All students engage in high-quality, grade-level core mathematics instruction alongside peers.</p> 	<p>Conduct Instructional Materials Reviews (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>Aid schools and systems in selecting and implementing high-quality instructional materials:</p> <ul style="list-style-type: none"> • guidance and funding support included in the School System Planning process • publication of a Math Refresh Leader Toolkit*, including a tool to evaluate locally selected materials for quality *coming Fall 2023 <ul style="list-style-type: none"> ◦ Summer Webinar Series • facilitating statewide opportunities to participate in high-quality pilots <ul style="list-style-type: none"> ◦ Eureka Math² Algebra I pilot ◦ Zearn K-8 Statewide Access 	<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>Use the Math Refresh Leader Toolkit* to:</p> <ul style="list-style-type: none"> • Build leader understanding to support math instruction. • Take stock of current programming and make revisions to program designs to ensure all other instructional time, such as interventions, tutoring time, and summer learning programs (SLPs) is grounded in the use of high-quality materials and resources. • Eliminate the use of lower quality and/or misaligned resources and platforms. <p>*Coming Soon</p>




Pillar	State Actions	School System/Lead Agency Actions
<p>Individualized support connected to current and upcoming learning: 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"> Develop Accelerating Mathematics Instruction Guidance to clearly codify what accelerating math does and does not include. 	<p>Train teachers, support teachers, tutors, and leaders in Accelerating Mathematics Instruction Guidance.</p>
	<p>Build the necessary tools to attend to the unique needs of Louisiana systems and schools:</p> <ul style="list-style-type: none"> Accelerate Math K-12 Resources Zearn K-8 Statewide Access Acceleration Tools via ASSISTments 	<p>Purchase materials and professional learning and set clear expectations for implementation so teachers can successfully address unfinished learning through acceleration.</p>
	<p>Develop FLAMEs: Foundational Lessons to Accelerate Math Education for K-5* to provide teachers additional resources for building foundational math skills and fluency.</p> <ul style="list-style-type: none"> Summer Webinar Series <p>*Releasing Fall 2023</p>	<p>Encourage the utilization of FLAME as a complement to HQIM during small-group instruction or mini-lessons.</p>
	<p>Provide systems with guidance (within the Math Refresh Leader Toolkit*) for the effective design and implementation of extra support time:</p> <ul style="list-style-type: none"> tutoring intervention summer learning programs <p>*Coming Soon</p>	<p>Create opportunities for all students to engage in additional time to learn via intervention, tutoring, and/or access to a summer learning program.</p>



Pillar	State Actions	School System/Lead Agency Actions
<p>Ongoing professional learning, quality resources, and proactive planning are essential for effective teaching and accelerating math readiness.</p> 	<p>Develop professional learning for 4th-8th grade math teachers focused on</p> <ul style="list-style-type: none"> • foundational numeracy skills instruction; • vertical alignment of mathematical concepts leading to Algebra; • building positive math dispositions; and • connecting to HQIM implementation. 	<p>Support 4th-8th grade teachers in completing professional learning and transferring new learning into classroom practices.</p>
	<p>Develop additions to the Louisiana Professional Learning Roadmap.</p> <ul style="list-style-type: none"> • resources for leaders to use during ILT meetings and planning documents for teacher leaders and teachers during teacher collaboration • video training to support new teachers (coming Fall 2023) 	<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"> • Develop the Summer Family Engagement Toolkit. <ul style="list-style-type: none"> ○ social media resources to support family awareness ○ Zearn access information and tutorials for families ○ hands-on math activities for families to use at home 	<ul style="list-style-type: none"> • Utilize the Summer Family Engagement Toolkit in newsletters, emails, and social media <ul style="list-style-type: none"> ○ Disseminate to school system communication teams ○ Disseminate to schools

Updated May 17, 2023