

Louisiana Believes

Update on Quality Curricular Resources: K-12

Outcomes

In this session, we will:

- Analyze the curriculum implementation scale
- Explore quality curricular options for elementary, middle, and high school with a special focus on 9th Grade
- Determine next steps for my school or district

Academic Vision

Vision: Every student in Louisiana, every day, builds their knowledge of the world, reads meaningful texts, expresses their ideas through writing and speaking, and solves complex math problems.

Goals:

- Every teacher has access to a top tier curriculum (free and open)
- >80% of districts adopt a top tier curriculum as program of choice
- Every math and ELA teacher (>20,000) receives direct from content experts, curriculum-based professional development (not through layers or train the trainer)

Agenda

- Curriculum Implementation Scale
- Quality Options for K-5
- Quality Options for 6-8
- Quality Options for Algebra I (9th Grade)
- Quality Options for HS
- Reflections and Next Steps

Curriculum Implementation Scale

Review the [Curriculum Implementation Scale](#) and determine your school's current level of implementation.



Curriculum Implementation Scale

	Criteria
Level 0	<ul style="list-style-type: none">• Does not consistently meet criteria for Level 1 across site/school/LEA
Level 1 <i>Teachers have access to high quality curricula</i>	<ul style="list-style-type: none">• Choose a high-quality, standards-aligned curriculum (e.g., Tier 1 curriculum, ELA Guidebooks).<ul style="list-style-type: none">○ Provide Tier 1 curriculum and materials to teachers and principals with adequate time for them to prepare for the upcoming school year.○ Eliminate Tier 3 or standards-unaligned materials from classrooms.○ Ensure principals can articulate 1) the name, tier and approach of the chosen curriculum; 2) the next steps they will take to ensure a quality implementation.

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Quality Options for K-5

Program	Current Rating	Pricing	PD Options	Technology
Zearn				
Eureka				
JUMP				

Quality Options for K-5

Program	Current Rating	Pricing	PD Options	Technology
Zearn	Tier 1 (Grades K-5)	\$2,500 per school site Print Materials: \$28 per student for full year of content \$75 per teacher for full year of content	\$2,500 annual subscription per school site for access to Classroom Implementation and Curriculum Study PD More info here	Minimum requirement of a 2:1 student to computer ratio More info here
Eureka				
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Eureka	Tier 1 (Grades K-HS)	free to access basic curriculum files for teachers \$190 per user for digital suite (curriculum and pd videos)	Variety of offerings: foundational, sustaining, and supplementary offered via institutes, on-site coaching, and/or virtually More info here	Not required NEW!! Digital Assessment Platform (DAP)
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JUMP	In Process, guaranteed minimum rating of Tier 2 (Grades K-8)	~\$20 per student, including student and teacher materials	Variety of offerings designed to teach the philosophy and approach from JUMP Math coaches More info here	Not required SMART files available to help with delivery of instruction (\$65 per grade)

Zearn, K-5

Why adopt Zearn?

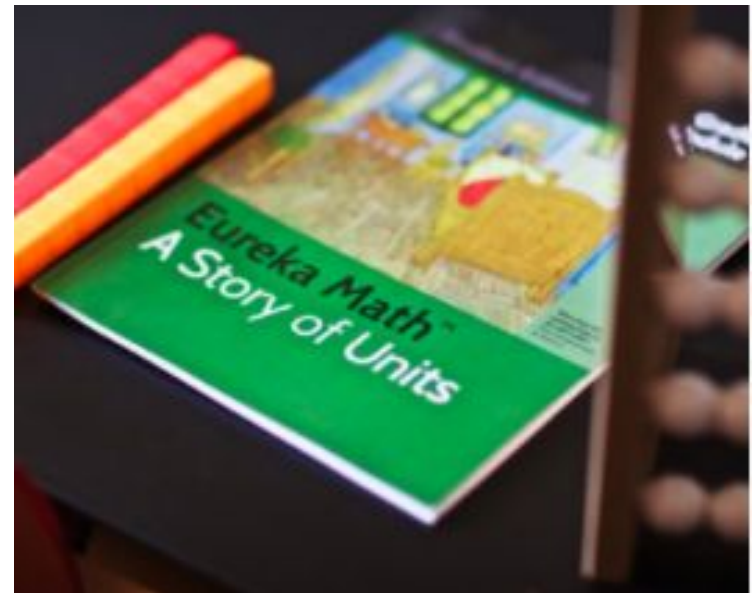
1. Built from EngageNY's *Story of Units*!
2. Tier 1 curriculum from K through Grade 5 (exploring MS and HS for future offerings)
3. Affordable quality PD/support
4. 50/50 model engages students through multiple modalities
5. Digital lessons provide real-time remediation



Eureka Math, K-5

Why adopt Eureka?

1. Built from EngageNY's *Story of Units*!
2. Tier 1 curriculum from K through Algebra II
3. LDOE-created resources and trainings to support implementation



JUMP Math, K-5

Why adopt JUMP Math?

1. Deliberate focus on building a growth mindset
2. Coherent curriculum from K through Grade 8
3. Well researched and proven to be effective
4. LA-specific curriculum map



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Quality Options for 6-8

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Open-Up	In Process (Grades 6-8)	free to access	Variety of offerings: on-site, workshops, PLCs, and “phone an expert”	Not required Digital edition available for 1:1 classrooms
Eureka				
JUMP				
Agile Mind				

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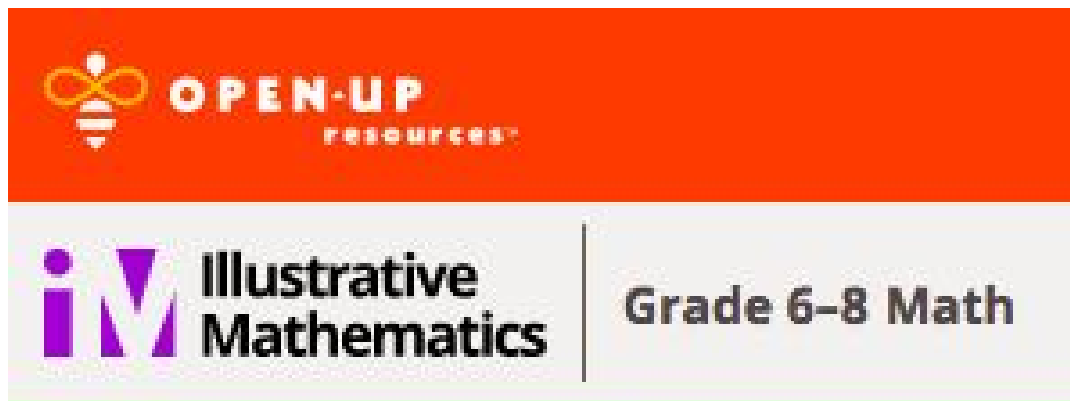
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Agile Mind	Tier 1 (Grades 6-HS)	Contact vendor for pricing options	Blended approach of online tools, face-to-face trainings, and customized mentoring	Not mrequired for students, but can be used for assessments and practice Teachers can use to enhance delivery of content

Open-Up, 6-8

Why adopt Open-Up Resources?

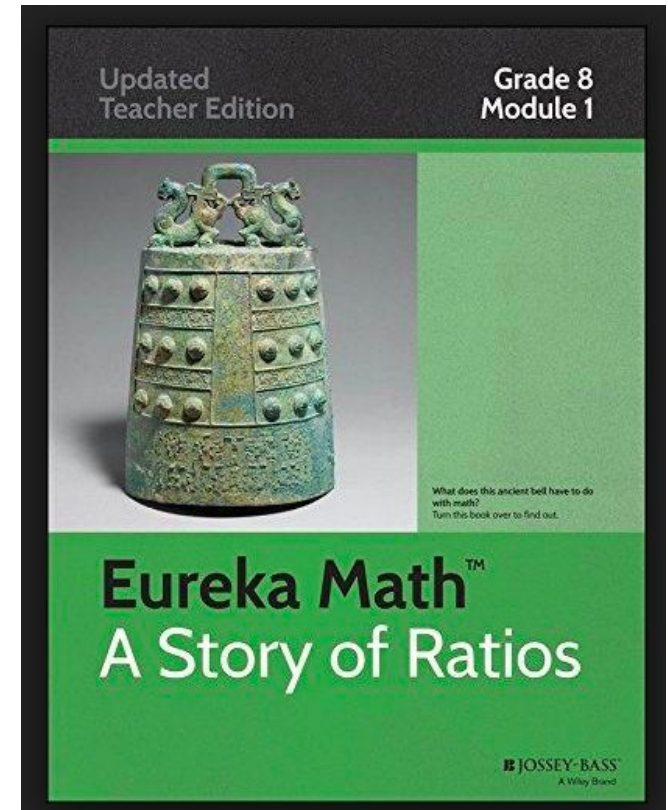
1. Authored by Bill McCallum and his team at Illustrative Math
2. Designed for diverse classrooms including supports for ELL
3. Built around NCTM's *5 Practices for Orchestrating Productive Mathematics Discussions*
4. Lesson built to provide teachers with ongoing, daily professional learning around the content



Eureka Math, 6-8

Why adopt Eureka?

1. Built from EngageNY's *Story of Ratios*
2. Tier 1 curriculum from K through Algebra II
3. LDOE-created resources and trainings to support implementation



JUMP Math, 6-8

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Agile Mind, 6-8

Why adopt Agile Mind?

1. Built specifically for LA!
2. Tier 1 curriculum from Grade 6 through Algebra II
3. Offers a blended experience to enhance instruction, assessment, and tracking students' pursuit of mastery of the standards



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Algebra I

The Case for Change

- More than 8,000 9th grade students were not enrolled in Algebra I or a higher math course in 2016-2017
- The number of students successfully completing Algebra I by the end of 9th grade is consistently less than 60%
- Students who do not successfully complete Algebra I by the end of 9th grade have a lower probability of graduating and continuing their education after high school

Intensive Algebra I

Goal of the Pilot: Increase the number of 9th grade students who successfully complete Algebra I

Intensive Math Support



HIGH-QUALITY CURRICULUM

+



APPROPRIATE RESOURCES
(targeted diagnostics,
coherent supports)

+



EXTENDED TIME

Quality Options for Intensive Algebra I

Program	Description
SpringBoard	Built for LA and piloted in 2017-2018 Combines SpringBoard's Algebra I core curriculum with a robust set of foundational materials adapted from their MS resources

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Agile Mind	<p>Built by Agile Mind and the Learning Sciences Research Institute at the University of Illinois at Chicago</p> <p>Combines Agile Mind's Algebra I core curriculum with cohesive, targeted supports and interventions--including attention to building specific learning routines as well as learning mindsets and strategies</p>

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Eureka	<p>Remediate the right content when it's needed, not doing a semester of remediation followed by a semester on Algebra I</p> <p>Combine Eureka Algebra I core curriculum with LDOE's Eureka Remediation Tools for Algebra I</p>

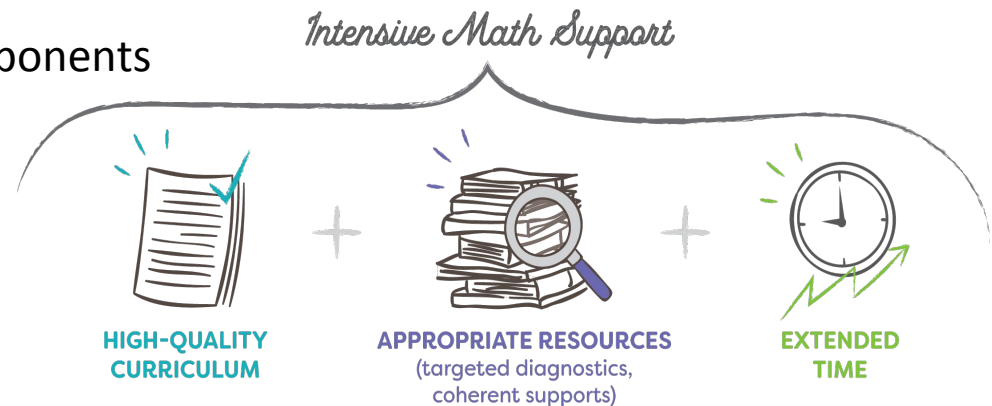
Intensive Algebra I

2018-2019

Districts should have a plan to increase the number of 9th grade students who successfully complete Algebra I.

- Springboard Intensive Algebra I
- Eureka Algebra I with embedded [ER Tools](#)
- [Agile Minds Intensified Algebra I](#)

The plan should include all essential components pictured in the graphic.



Next Steps: Complete [this survey](#) if you are interested in accessing quality training around one of these programs. The Department will use the responses in planning for 2018-2019.

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Quality Options for High School

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SpringBoard	Tier 1 (Grades HS)	~\$100 per teacher edition ~\$20 per student edition	Variety of offerings for a variety of audiences: building foundation, building expertise, building capacity for teachers, coaches, and administrators More info here	Not required SpringBoard Digital is included at no extra charge - enhances delivery of instruction, allows for online assessments and data
Agile Mind				
Eureka				
Geometry Common Core				

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Geometry Common Core	Tier 1 (Geometry only)	\$500 for school license	On-site pd delivered by author of curriculum	Not required Apps and links identified for enhancing interaction with the mathematics

SpringBoard, HS

Why adopt SpringBoard?

1. A balance of directed, guided, and investigative learning
2. Robust supports for teachers and districts including PD provided by fellow SpringBoard users
3. SpringBoard Digital enhances instruction, assessment, and tracking students' pursuit of mastery of the standards
4. LA-specific curriculum maps for Algebra I and Geometry



SpringBoard®

Agile Mind, HS

Why adopt Agile Mind?

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2. Tier 1 curriculum from Grade 6 through Algebra II
3. Offers a blended experience to enhance instruction, assessment, and tracking students' pursuit of mastery of the standards



Eureka Math, HS

Why adopt Eureka?

1. Built from EngageNY's *Story of Functions*
2. Tier 1 curriculum from K through Algebra II
3. LDOE-created resources and trainings to support implementation

A Story of Functions

Curriculum Map for Grades 9-12

	Grade 9 - Algebra I	Grade 10 - Geometry	Grade 11 - Algebra II	Grade 12 - Precalculus	2015-16*
1st TRIMESTER	M1: Relationships Between Quantities and Reasoning with Equations and Their Graphs (40 days)	M1: Congruence, Proof, and Constructions (45 days)	M1: Polynomial, Rational, and Radical Relationships (45 days)	M1: Complex Numbers and Transformations (41 days)	1st QUARTER
	M2: Descriptive Statistics (25 days)		M2: Trigonometric Functions (20 days)	M2: Vectors and Matrices (36 days)	2nd QUARTER
2nd TRIMESTER	M3: Linear and Exponential Functions (35 days)	M2: Similarity, Proof, and Trigonometry (45 days)	M3: Exponential and Logarithmic Functions (45 days)	M3: Rational and Exponential Functions (26 days)	3rd QUARTER
	M4: Polynomial and Quadratic Expressions, Equations, and Functions (30 days)			M4: Connecting Algebra and Geometry Through Coordinates (20 days)	M4: Trigonometry (21 days)
3rd TRIMESTER	M5: A Synthesis of Modeling with Equations and Functions (20 days)	M5: Circles With and Without Coordinates (25 days)	M4: Inferences and Conclusions from Data (40 days)	M5: Probability and Statistics (26 days)	
	30 days allotted for review and examinations**			30 days allotted for review and examinations**	30 days allotted for review and examinations**

Geometry Common Core

Why adopt Geometry Common Core?

1. Written by a teacher for teachers
2. PD direct from author of curriculum
3. Transformation-based approach to the content
4. Cost effective
5. LA-specific curriculum map



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Reflections and Next Steps

Next steps:

1. Determine which curricular options seem to be the best fit for your school or district.
2. Reach out to identified vendors for further discussion.
3. Identify clear steps to get to Level 2 on the Curriculum Implementation Scale, including requesting funding to support implementation of a Tier 1 program through the School Redesign Grant.

Remember: Adopting a quality curriculum without providing quality professional development designed to improve implementation of that curriculum will not yield the desired results. PD must be grounded in the curriculum and scaffolded based on what's most important for implementation.

Contacts

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