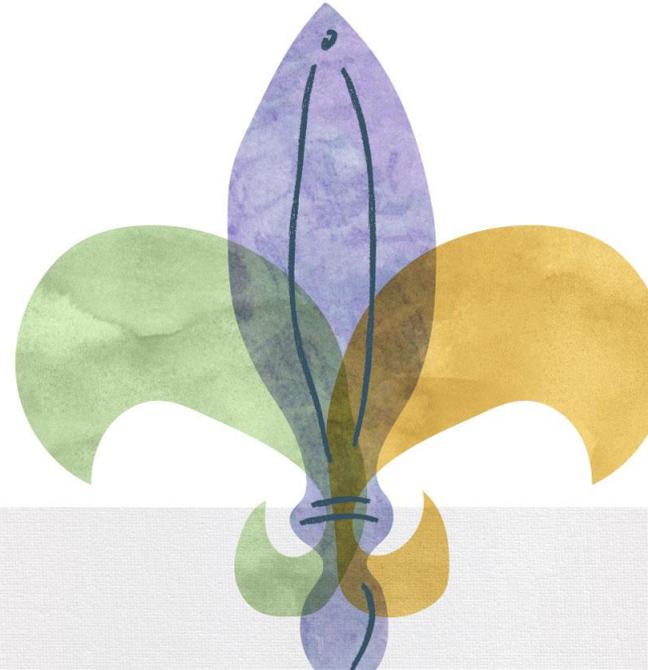


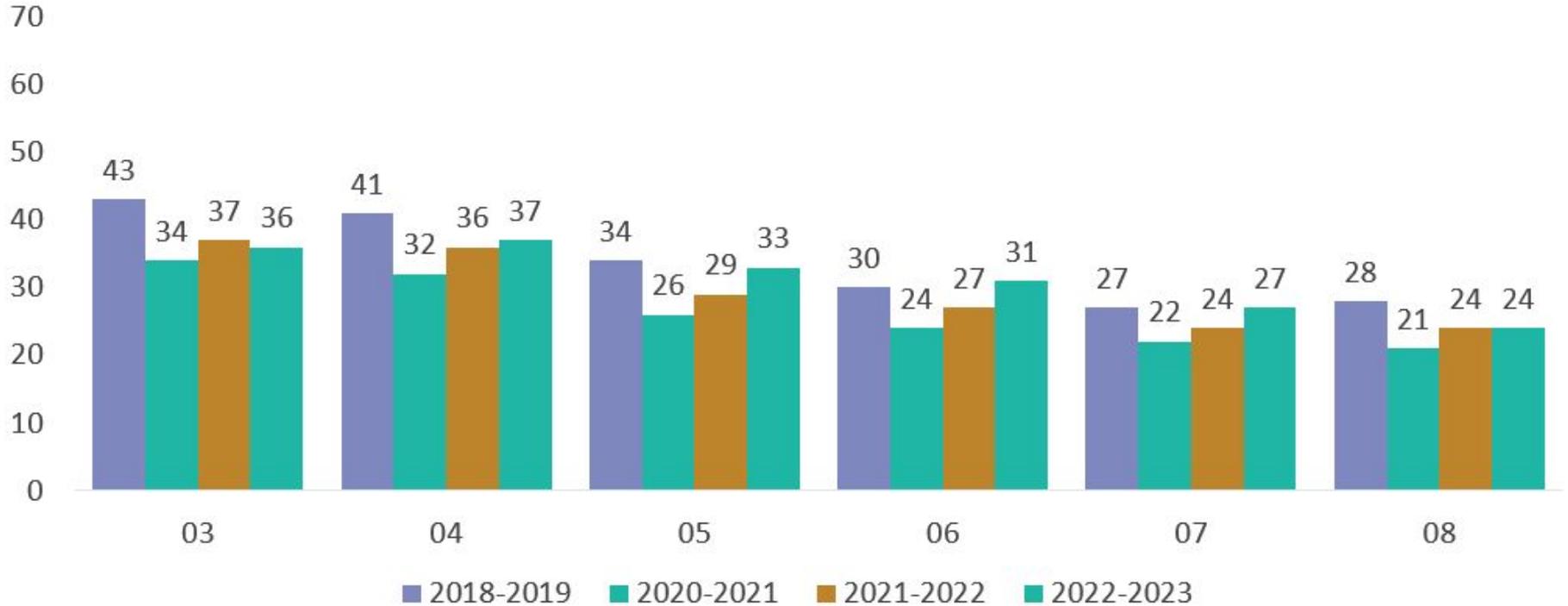


**Principal Webinar for Math
and Literacy
August 7, 2023**

**Making the Case:
Student Outcomes in Literacy and
Math**



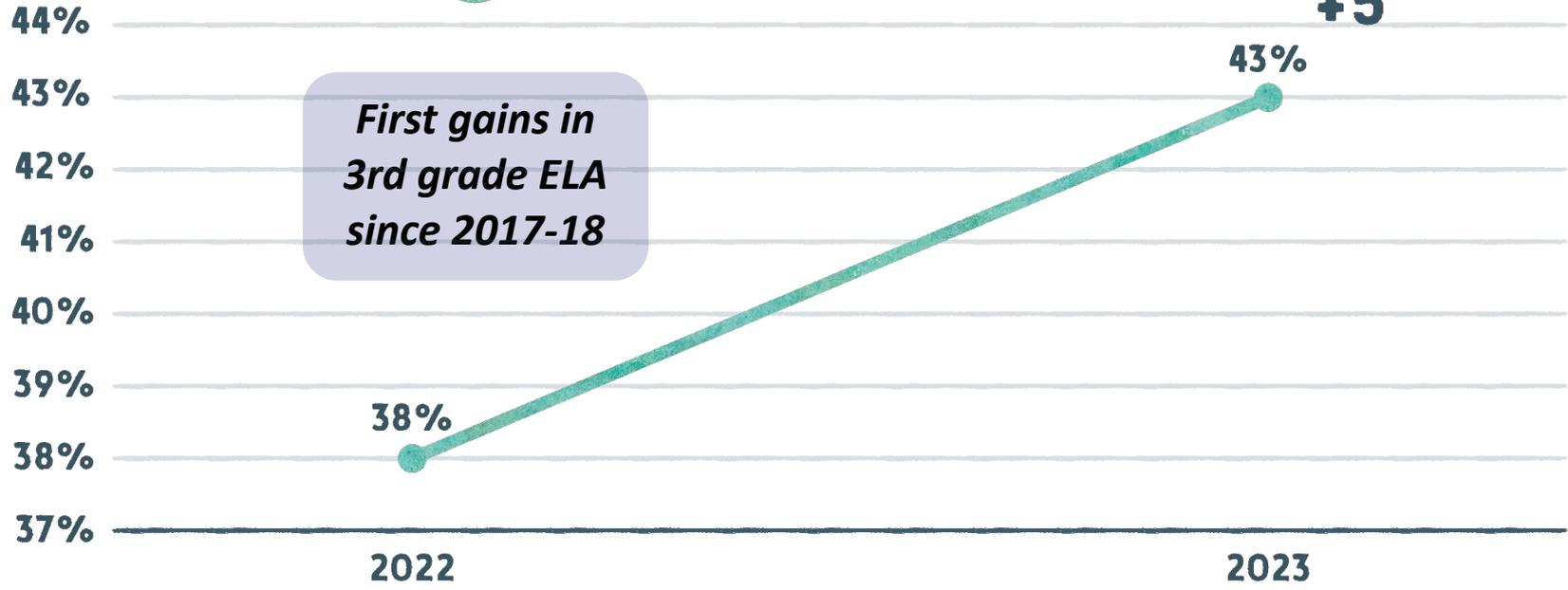
Math LEAP Results 2019-2023



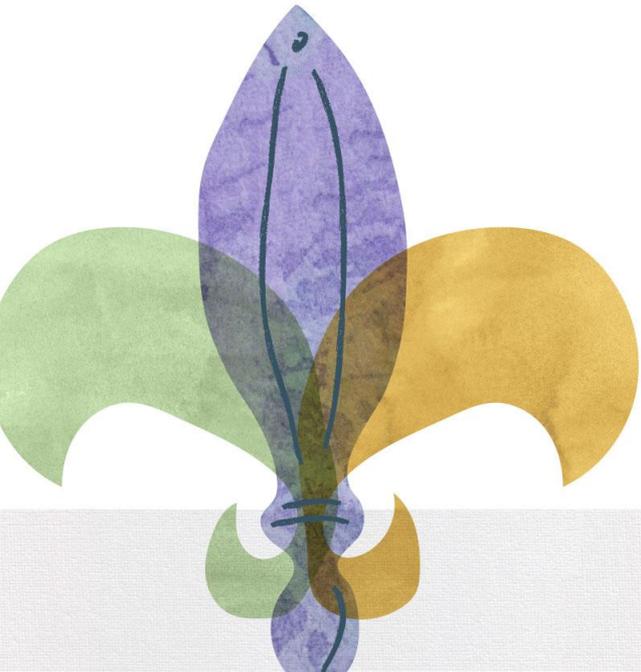
3rd Graders Show Strong English/Language Gains



ELA MASTERY+ RATES GRADE 3

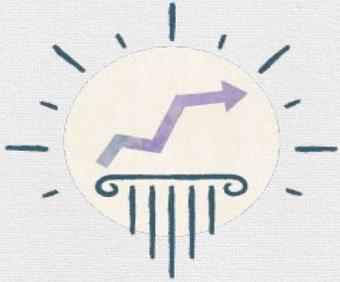


First gains in 3rd grade ELA since 2017-18



Math Refresh

Math Refresh Overview



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

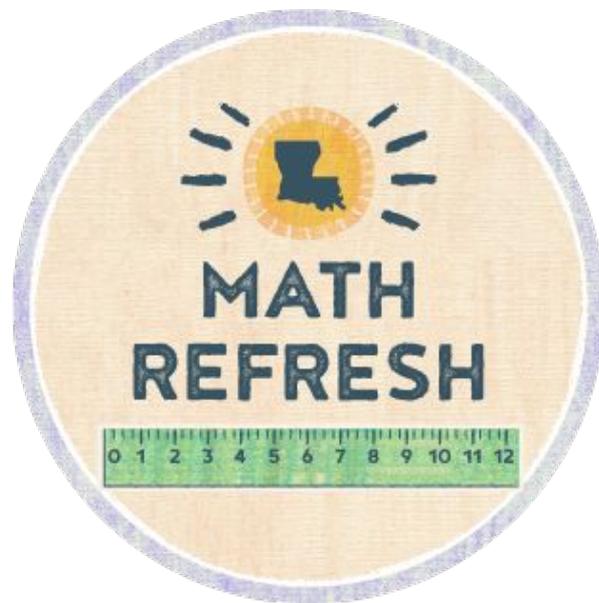


ongoing
professional
learning and
proactive planning
are essential for
effective teaching
and accelerating



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

Mission: 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



Louisiana's 2027 Math Goal

239

By 2028, average 4th grade NAEP math scaled score will increase to 239.

276

By 2028, average 8th grade NAEP math scaled score will increase to 276.

+10

These average scaled scores in represent a ten point increase between 2012 and 2027.

mid
20s

This goal would lead to a Louisiana ranking in the 20s if other states' performances remain constant.

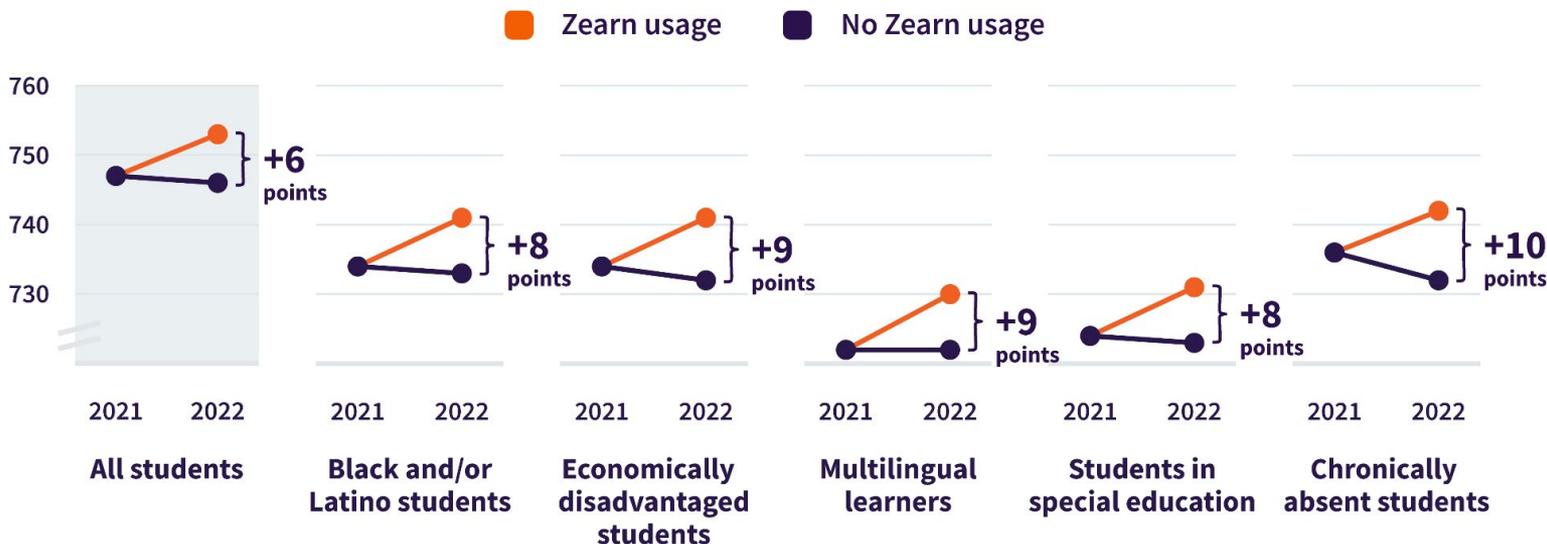
Zearn Impact Study

Key Findings

- ✓ **Elementary and middle school students who consistently used Zearn Math scored significantly higher on 2022 LEAP than matched peers** who did not use Zearn Math. This finding was consistent across Black and/or Latino students, economically disadvantaged students, multilingual learners, students in special education, and chronically absent students.
- ✓ **Impact was greatest for Louisiana students not yet meeting Mastery:** these students gained 1.5 to 2.0 years of math learning in one academic year when they consistently used Zearn Math.
- ✓ **70% of students at the lowest level of math achievement who consistently used Zearn Math improved their achievement level** on the 2022 LEAP, compared to just 45% of students at the same starting level who did not use Zearn.

Across student subgroups, Louisiana students who consistently used Zearn increased math scores more than matched peers who did not use Zearn

Impact of Zearn Math on 2022 LEAP Scale Scores by Student Subgroup

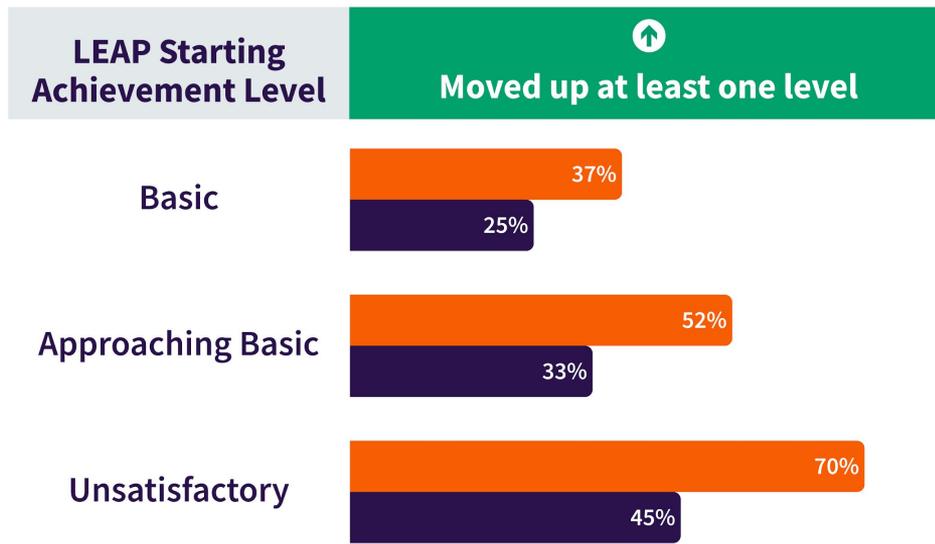


Baseline scores represent averages of Zearn users and non-users' 2021 LEAP scores in cases where starting scores were not identical.

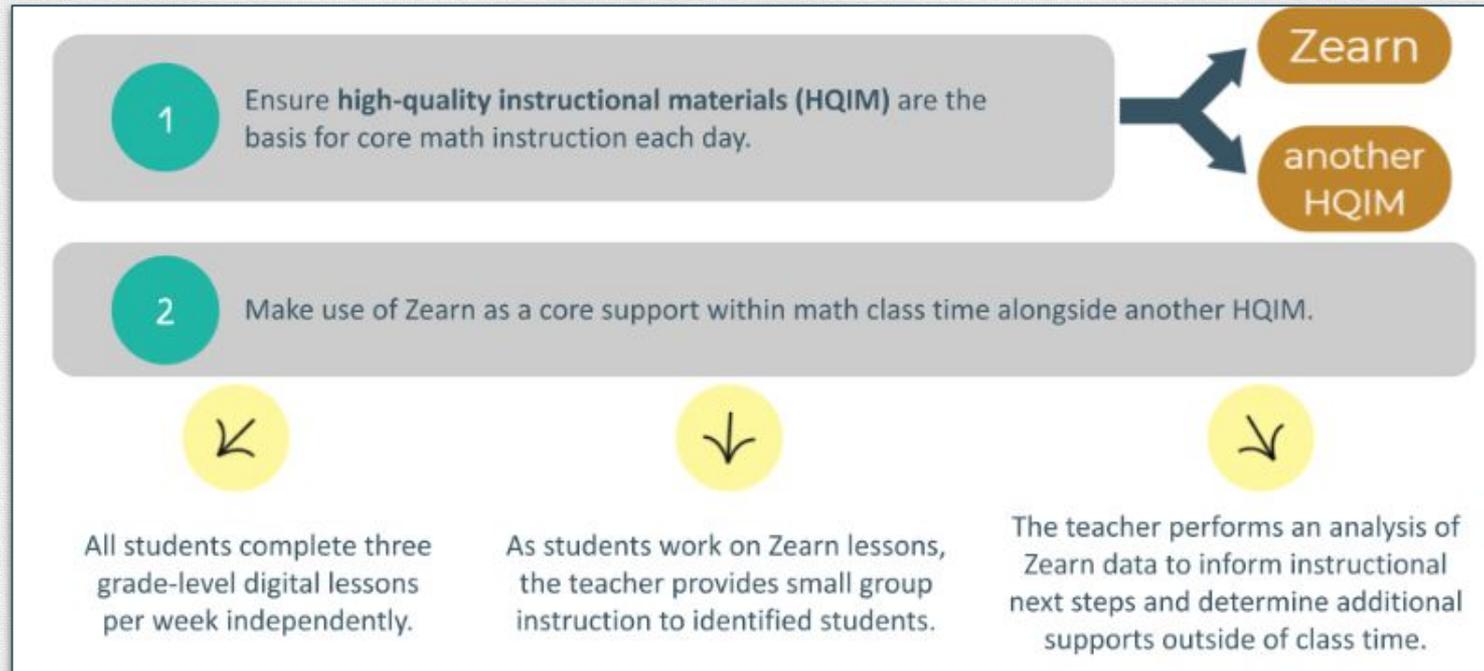
70% of students at the lowest level of math achievement who consistently used Zearn Math improved their achievement level in 2022

Student Mobility by Starting Achievement Level

■ Zearn usage ■ No Zearn usage



Planning for Implementation



Planning for Integration

3

Integrate Zearn lessons **within additional instructional time** set aside for small and individualized student supports (e.g. tutoring time, interventions, WIN time).



Students needing support work on prerequisite lessons to build readiness for access to grade level work.

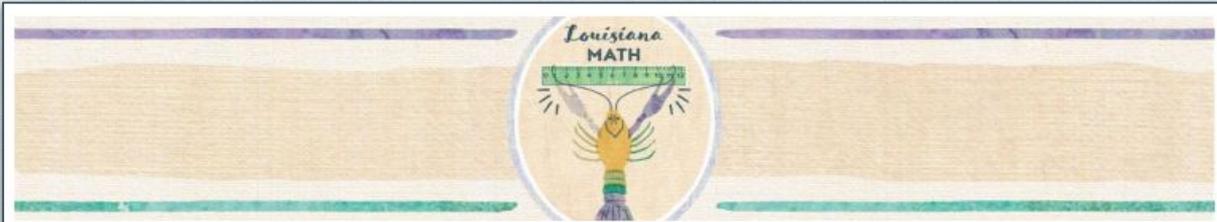


Students who are ready for grade-level instruction continue working on lessons parallel to the content in the classroom.

4

Accelerate math readiness for the upcoming school year by incorporating the Zearn Summer Intensive Series as part of your Summer Learning Program. Expect students to complete three lessons per week

Sample Schedules



Implementing Zearn

Zearn School Accounts offer materials for students, administrators, and teachers at the school utilizing one School Account, premium features, and content to support implementation. Zearn provides acceleration supports while informing the teacher of the performance and success of students in grade-level mathematics. Systems may use this tool during core instruction, extra math time, or in summer learning programs for the purpose of accelerating math learning.

Zearn Math

- is evidenced by [research](#);
- is uniquely positioned to support educators in accelerating math learning for all students;
- provides dynamic digital lessons proven to significantly impact the learning gains within a typical year of instruction;
- embeds ongoing formative assessment and real-time reports to provide educators with precise and actionable feedback to inform instruction based on student needs; and
- comes with ready to use resources including Student Notes, exit tickets, Goal Trackers, and Assessments available to educators in the platform in both English and Spanish.

Key Factors for Successful Implementation

Proactive teacher planning for individualized student supports

Teachers analyze curriculum-based assessments and Zearn data to inform instructional next steps and plan additional supports outside of class time.

- [Zearn Digital Reports](#)
- [Using Zearn Math for Intervention](#)
- [Enrichment with Zearn Math](#)
- [Foundational Content](#)

Key Factors for Successful Implementation

Consistent student engagement in Zearn and responsive actions by the teacher/tutor

Students complete at least three grade-level digital lessons each week. In addition to working on Zearn lessons, students rotate through time spent with the teacher individually or in groups.

- [Two Distinct Learning Spaces](#)
- [Sample Schedules](#)

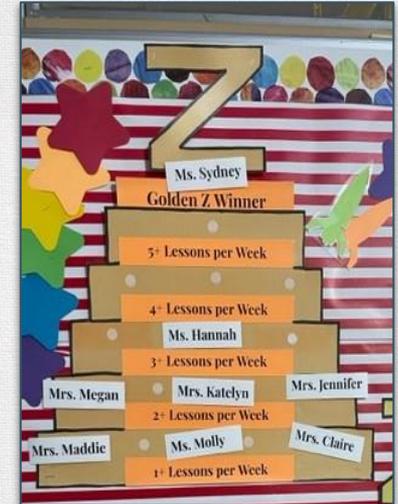


Key Factors for Successful Implementation

Tracking, goal setting, and rewards

Teachers create a plan for student tracking and goal setting and provide rewards for growth and completion of Zearn lessons.

- [Goal Tracker](#)
- [Student Tracker](#)
- Rewards- Think of no cost options such as extended recess, free dress, and bringing a favorite snack.

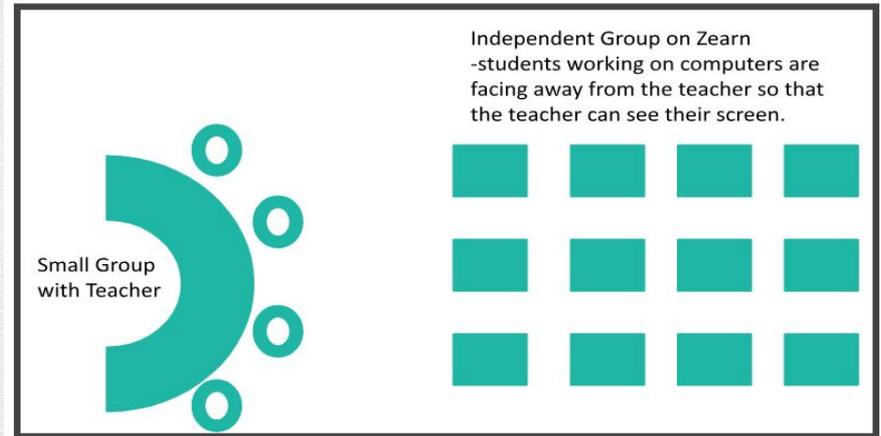


Key Factors for Successful Implementation

Behavior Management Plan

Teachers organize their room and desk arrangement so that they are able to monitor all students while providing small group instruction. For example, visible screens, incentives for lesson completion, and student desk orientation to reduce distractions.

- [Brainy Certificate](#)
- Room Map
- Incentive Chart



Action Steps

- Set clear expectations.
- Create individual, classroom, grade-level, and school-wide incentives to meet the three grade-level per week goals.
- Monitor school-wide data weekly.
- Celebrate students, classes, and teachers who meet the goal.

Additional Zearn Resources

- Zearn's [Getting Started Checklist](#)
- A summary of each part of the [Independent Digital Lesson](#)
- A one-pager describing [Zearn's Reports](#)
- Zearn Math [Research](#)
- Zearn [Impact Study](#)
- Monthly Zearn Support for Middle School Leaders will kick-off in September

Math Refresh Regional Tour

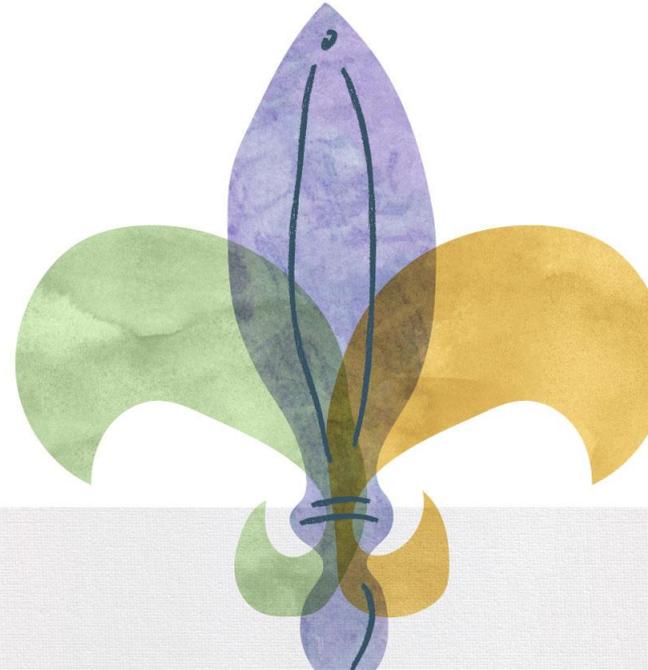
The Math Refresh Regional Tour begins with dates this fall. Attend the half-day sessions to learn more about

- Supporting Zearn Implementation;
- Leveraging Math Refresh Resources; and
- Foundational Lessons for Accelerating Math Education (FLAME) resources.

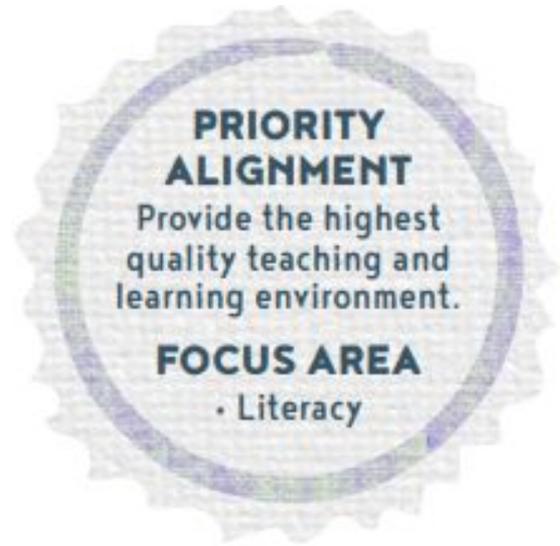
Save the date for your regional Math Refresh Sessions. [Registration](#) is now open.

- East Baton Rouge, October 24
- Calcasieu Parish, October 25
- Caddo Parish, November 14
- Jefferson Parish, November 15

Literacy



Mission: Louisiana students will have improved literacy outcomes through high-quality instruction and interactions by an effective teacher who is supported by leaders and families.



Background & Goals

Louisiana's 2027 Literacy Goal

220

By 2027, Louisiana's average 4th grade NAEP reading scaled score will increase to a 220.

+10

A 220 average scaled score in 4th grade reading would represent a ten point increase between 2019 and 2027.

high
20s

This goal would lead to a Louisiana ranking in the 20s if other states' performance remains constant.

Updates on Most Recent Key Activities

Overview of Literacy Pillars



Student literacy outcomes will increase when schools create and monitor **LITERACY GOALS**.



Literacy outcomes will improve when students are provided high-quality core instruction together with **EXPLICIT LITERACY INTERVENTIONS AND EXTENSIONS** based on individual student needs.



ONGOING PROFESSIONAL GROWTH is an essential component of effective teaching and literacy development.



FAMILIES play an essential role in the literacy development of children at all ages and stages.

Key Actions for School Leaders

Pillar #1: Literacy Goals

Student literacy outcomes will increase when schools create and monitor literacy goals.

- Administer the [DIBELS 8th literacy screener](#) to all K-3 students within the first 30 days of school.
- Administer the literacy screener to any [4th grade](#) students who scored below Basic. If students score below proficiency on the screener, the student needs an [individual literacy plan](#).
- Set a literacy vision and goal.
- For all K-3 schools, ensure the school's [literacy plan](#) is posted on the school's website.

Key Actions for School Leaders

Pillar #2: Explicit Literacy Instruction with Interventions and Extensions

Literacy outcomes will improve when students are provided high-quality core instruction together with explicit literacy interventions and extensions based on individual student needs.

- Focus on [core instruction](#) with a goal of 80% of students mastering the lesson.
- Trust your high-quality core curriculum.
- Set school-wide [intervention](#) expectations:
 - based on data.
 - with coherence to core.
 - using explicit instruction.
 - while incorporating progress monitoring
- Stay clear of [Three-cueing](#).

Key Actions for School Leaders

Pillar #3: Ongoing Professional Growth

Ongoing professional growth is an essential component of effective teaching and literacy development.

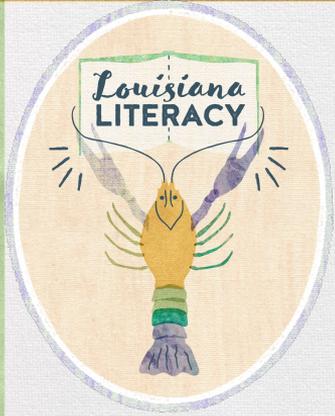
- Set aside time for teacher collaboration so that teachers can internalize the units, lessons, as well as track student progress.
- Provide ongoing [professional growth](#) and coaching around High-Quality Instructional Materials.
- Ensure all K-3 teachers are trained in the science of reading (Act 108).
- Provide ongoing support in the implementation of the Act 108 learning through observation and feedback and through the use of HQIM.

Key Actions for School Leaders

Pillar #4: Engaging Families

Families play an essential role in the literacy development of children at all ages and stages.

- Inform families of their child's literacy proficiency within [15 days](#) of screening.
- Provide families access to high-dosage tutoring through the [Steve Carter Tutoring Program](#).
- Utilize the family [grab and go resources](#) to promote literacy development in the home.



To Stay Informed

- Sign up for the Department's [newsletters](#).
- Reference the [monthly calls](#).
- Implement the tools found on the [Louisiana Literacy](#) and [Math Refresh](#) websites.
- Join us for this monthly webinar series on September 5.
- For questions, reach out to
 - STEM@la.gov or
 - louisianaliteracy@la.gov.

