LOUISIANA DEPARTMENT OF EDUCATION

Office of Teaching and Learning

Implementing Zearn

Zearn access provides materials for students, administrators, and teachers through one school account, premium features, and content to support implementation. Zearn provides acceleration support while informing the teacher of students' performance and success in grade-level mathematics. Systems may use this tool during core instruction, extra math time, or summer learning programs to accelerate 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.

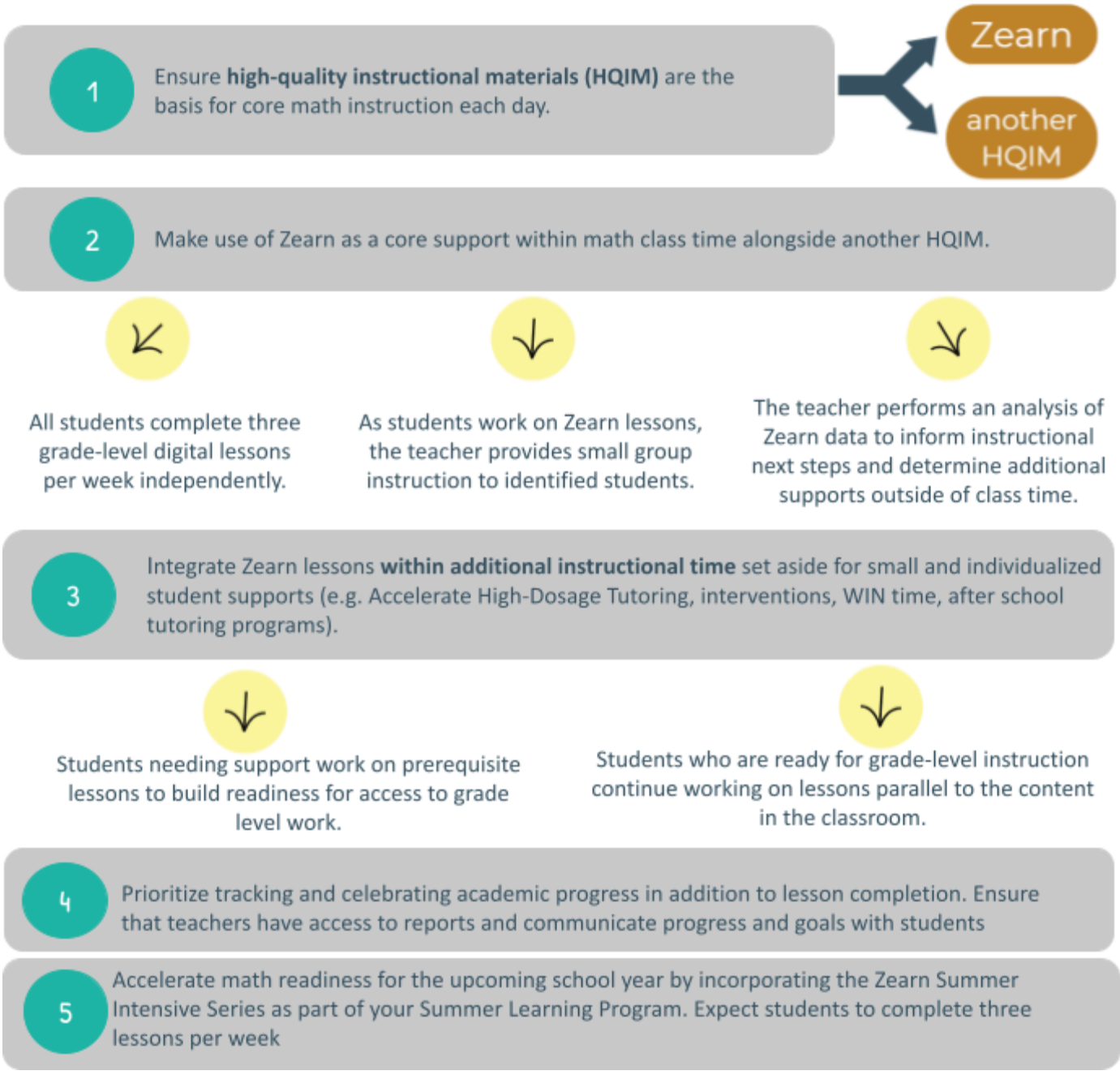
Louisiana Impact

An ESSA-qualifying, quasi-experimental design research study analyzed the impact of Louisiana parishes' partnership with Zearn Math. Drawing from a sample of 36,000 4th to 8th-grade students across 41 parishes, the study analyzed performance data for the 2021-2022 and 2022-2023 academic years. Overall, Louisiana students who consistently used Zearn

- scored an average of 5.7 points higher on the 2022 and 2023 LEAP tests than matched peers who did not use Zearn;
- 64% of students at the lowest level of math achievement improved their achievement level; and
- students who scored at the highest level of math achievement in the prior school year maintained that achievement level the following year at higher rates.

The resources below can guide systems in ensuring all students access Zearn in the fall of 2023 and beyond.

Planning for Integration



Sample Elementary Schedules

It is recommended that students engage with grade-level Zearn digital lessons at least 90 minutes per week, completing at least 3 grade-level digital lessons per week. Systems should plan for implementation that best fits within their context to meet the needs of all students. Below you will find sample schedules for Zearn implementation.

Students complete grade-level digital lessons aligned to core instruction; in rare cases, students can complete foundation lessons that are bookmarked by their teacher.

Within Class Time

90 minutes Math Block Options	

Zearn-whole group approach	- 30 minutes of responsive support
	  - Students can continue with prescriptive lessons bookmarked in Zearn.
	  - Teachers can provide proactive support through Accelerate Math.
	- 10 minutes fluency and application problem
	- 40 minutes whole group concept development and teacher supported digital lesson
	- 10 minutes debrief/exit ticket

Zearn as a compliment to another HQIM	- 30 minutes of responsive support
	  - Students can continue with prescriptive lessons bookmarked in Zearn.
	  - Teachers can provide proactive support through Accelerate Math.
	- 60 minutes lesson from within adopted HQIM

Zearn as core with tutoring	- 10 minutes fluency and application problem
	- 30 minutes of responsive support
	  - Students can continue with prescriptive lessons bookmarked in Zearn.
	  - Teachers can provide proactive support through Accelerate Math.
	- 2 rotations:
	  - 25 minutes of small group concept development with debrief and exit ticket
	  - 25 minutes digital lesson with debrief and exit ticket

Whole group approach with 1:1 devices	- 15 minutes of fluency and word problem of day's grade-level lesson - 25 minutes of whole group concept development - 20 minutes digital station (allowing the teacher to monitor and provide individualized support) - 20 minutes of responsive support (can be whole group or differentiated for student needs) - 10 minutes debrief/exit ticket

Sample Middle School Schedules

It is recommended that students engage with grade-level Zearn digital lessons at least 90 minutes per week, completing at least 3 grade-level digital lessons per week. Systems should plan for implementation that best fits within their context to meet the needs of all students. Below you will find sample schedules for Zearn implementation.

90 minutes Math Block Options	
Option 1	- 5 minutes fluency/word problem - 45 minutes lesson and practice - 10 minutes student exit ticket - 30 minutes interventions/small groups (3 groups rotating for 10 minutes in each station)
Option 2	- 25 minutes Zearn - 50 minutes curriculum lesson - 15 minutes exit ticket
Option 3	- 50 minutes curriculum lesson - 25 minutes Zearn - 15 minutes exit ticket
75 minutes Math Block Options	
Option 1	- 5 minutes fluency/word problem - 40 minutes small group instruction (teacher group/independent time) - 10 minutes exit ticket - 20 minutes tutoring
Option 2	- 20 minutes Zearn - 45 minutes curriculum lesson - 10 minutes exit ticket

Tutoring Acceleration

High-Dosage Tutoring	
Option 1 1:1 ratio	**30-minute sessions, 3 times weekly** - digital lessons- 25 minutes - session closing- 5 minutes - *Student need should be communicated to tutor prior to session to maximize time in digital lesson*
Option 2 1:2-4 ratio	**30-minute sessions, 3 times weekly** - problem-solving- 5 minutes - digital lessons- 20 minutes - session closing- 5 minutes

After-School Tutoring Program	
Option 1	**45-60 minute sessions, 3 times weekly** - problem-solving- 10-15 minutes - digital lessons- 30-40 minutes - session closing- 5 minutes
Option 2	**30-minute sessions, 4-5 times weekly** - problem-solving- 10-15 minutes - digital lessons- 10-15 minutes - session closing- 5 minutes
Option 3	**30-minute sessions, 2 times weekly** - digital lessons- 30 minutes

Key Factors to Successful Implementation

Zearn's recommendation is that students engage with the three digital **grade-level** lessons for at least 90 minutes per week. Systems should plan for implementation that best fits within the local context to meet the needs of all students. Successful implementation will incorporate the following key factors:

- Proactive teacher planning for individualized student supports
- A Behavior Management Plan
- Consistent student engagement in Zearn and responsive actions by the teacher/tutor
- Tracking, goal setting, and rewards

Resources for each key factor are linked below.

Proactive teacher planning for individualized student support
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

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.

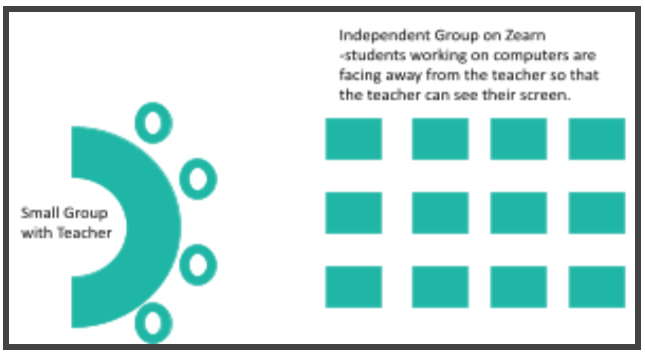
- Two Distinct Learning Spaces
- Sample Schedules

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, or bringing a favorite snack.

Behavior Management Plan
Teachers organize their rooms and desks so that they can monitor all students while providing small group instruction. This includes visible screens, incentives for lesson completion, and student desk orientation to reduce distractions.

- Brainy Certificate
- Room Map
- Incentive Chart



Additional Zearn Resources

- Zearn's Getting Started Checklist
- A summary of each part of the Independent Digital Lesson
- Zearn Math Research
- Zearn Impact Study

Updated December 2024