

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
Sample Middle School Schedules
Tutoring Acceleration
Key Factors for Successful Implementation
Additional Zearn Resources

Planning for Integration



Ensure **high-quality instructional materials (HQIM)** are the basis for core math instruction each day.



2

Make use of Zearn as a core support within math class time alongside another HQIM.







All students complete three grade-level digital lessons per week independently.

As students work on Zearn lessons, the teacher provides small group instruction to identified students. The teacher performs an analysis of Zearn data to inform instructional next steps and determine additional supports outside of class time.

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.



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 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 responsive support Students can continue with prescriptive lessons bookmarked in Zearn. Teachers can provide proactive support through <u>Accelerate Math</u>. 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 responsive support Students can continue with prescriptive lessons bookmarked in Zearn. Teachers can provide proactive support through <u>Accelerate Math</u>. 60 minutes lesson from within adopted HQIM 		
Zearn as core with tutoring	 10 minutes fluency and application problem 30 minutes responsive support Students can continue with prescriptive lessons bookmarked in Zearn. Teachers can provide proactive support through <u>Accelerate Math</u>. 2 rotations: 25 minutes 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 fluency and word problem of day's grade-level lesson 25 minutes whole group concept development 20 minutes digital station (allowing 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

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 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

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

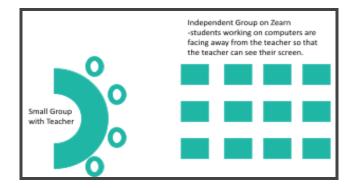
Teachers create a plan for student tracking and goal setting and provide rewards for growth and completion of Zearn lessons.

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

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





Additional Zearn Resources

- Zearn's Getting Started Checklist
- A summary of each part of the <u>Independent Digital Lesson</u>
- A one-pager describing **Zearn's Reports**
- Zearn Math Research
- Zearn Impact Study