# 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.

## Louisiana Impact

An ESSA qualifying, quasi-experimental design research study analyzed the impact of Louisiana parishes' partnership with Zearn Math. The study analyzed data from 31 parishes across the state, spanning a sample of over 14,000 4th- to 7th-grade students. Overall, Louisiana students who consistently used Zearn

- scored an average of 6 points higher on the 2022 LEAP test than matched peers who did not use Zearn;
- increased mastery rates by 5% on the 2022 LEAP; and
- 70% of students at the lowest level of math achievement improved their achievement level in 2022.

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

1. Ensure **high-quality instructional materials (HQIM)** are the basis for core math instruction each day.
   - Zearn
   - another HQIM
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.
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 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<br>  - Students can continue with prescriptive lessons bookmarked in Zearn.<br>  - Teachers can provide proactive support through Accelerate Math.<br>- 10 minutes fluency and application problem<br>- 40 minutes whole group concept development and teacher supported digital lesson<br>- 10 minutes debrief/exit ticket |
| Zearn as a compliment to another HQIM | - 30 minutes responsive support<br>  - Students can continue with prescriptive lessons bookmarked in Zearn.<br>  - Teachers can provide proactive support through Accelerate Math.<br>- 60 minute lesson from withing adopted HQIM |
| Zearn as core with tutoring | - 10 minutes fluency and application problem<br>- 30 minutes responsive support<br>  - Students can continue with prescriptive lessons bookmarked in Zearn.<br>  - Teachers can provide proactive support through Accelerate Math.<br>- 2 rotations:<br>  - 25 minutes small group concept development with debrief and exit ticket<br>  - 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<br>- 25 minutes whole group concept development<br>- 20 minutes digital station (allowing teacher to monitor and provide individualized support)<br>- 20 minutes of responsive support (can be whole group or differentiated for student needs)<br>- 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<br>- 45 minutes lesson and practice<br>- 10 minutes student exit ticket<br>- 30 minutes interventions/small groups (3 groups rotating for 10 minutes in each station) |
| Option 2 | - 25 minutes Zearn<br>- 50 minutes curriculum lesson<br>- 15 minutes exit ticket |
| Option 3 | - 50 minutes curriculum lesson<br>- 25 minutes Zearn<br>- 15 minutes exit ticket |
| **75 minutes Math Block Options** | |
| Option 1 | - 5 minutes fluency/word problem<br>- 40 minutes small group instruction (teacher group/independent time)<br>- 10 minutes exit ticket<br>- 20 minutes tutoring |
| Option 2 | - 20 minutes Zearn<br>- 45 minutes curriculum lesson<br>- 10 minutes exit ticket |

## Tutoring Acceleration

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

## Key Factors for 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

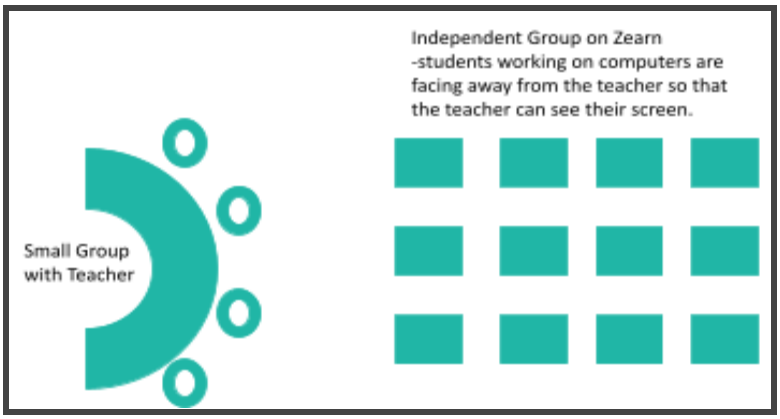
**Tracking, goal setting, and rewards**
*Teachers create a plan for student tracking and goal setting and provide rewards for growth and completion of Zearn lessons.*

- 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 Independent Digital Lesson
- A one-pager describing Zearn's Reports
- Zearn Math Research
- Zearn Impact Study

For questions, please contact STEM@la.gov.