Math Tutoring with Zearn

Program Guide: Grade 4

Zearn offers complete math tutoring content with a mix of hands-on problem solving and immersive digital learning that reinforces concepts learned in the classroom and doubles down on math learning.

Overview

Program Materials

Digital Lesson Components

Student Placement on Zearn

Sample Schedules

For Tutors: Getting Started Checklist

For Tutors: Accessing Tutoring Materials
Zearn Math is the top-rated online math learning platform that is built to help all kids be math kids.

Zearn offers complete math tutoring content that accelerates math learning with a mix of hands-on problem solving and immersive digital learning.

Program Materials include:

<table>
<thead>
<tr>
<th>Top-rated instructional materials for every day of tutoring</th>
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<tbody>
<tr>
<td>Digital math lessons covering every objective of K-8 math</td>
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<tr>
<td>Just-in-time support &amp; built-in Tier 1 intervention in all digital lessons</td>
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<tr>
<td>Embedded daily digital diagnostic in every digital math lesson</td>
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<td>Daily instructional materials for tutors (in Spanish, too!)</td>
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Resources to support tutors in creating meaningful student engagement

<table>
<thead>
<tr>
<th>On-demand PD to review instructional strategies</th>
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<tr>
<td>Tutor guides (schedules, checklist, and more)</td>
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<tr>
<td>Opportunity for additional training from Zearn Certified Advisors</td>
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Real-time data visibility

| Detailed reporting for each student including where students need support |
| School & district-wide reports with progress across tutoring sessions |
Program Materials

Zearn is a top-rated program designed to help all students catch up and move forward.

Digital lessons with just-in-time support

Zearn digital math lessons offer a consistent structure of learning activities, designed to accelerate learning by integrating unfinished learning into the context of new learning. Students explore new concepts with real on-screen teachers, interactive problem solving, and guided paper-and-pencil Student Notes. Check out a digital lesson in action in this short video.

Materials for hands-on problem solving

Grade-level lessons support tutors with facilitating lively math discussions where students explore different ways to solve problems, unlocking creativity and joy with math. Tutors are supported with on-demand PD to review instructional strategies. Zearn Certified Advisors are available to support tutors with training.

Real-time reports on student learning

Student-specific reports provide visibility into student learning and where students need additional support to move forward in their learning. Depending on the setup of your tutoring program, administrators and teachers can also see reports from tutoring sessions to monitor productivity and progress in math learning.

Designed for learning acceleration: Placing students on Zearn content

All students should be placed at the first digital lesson of their grade and students work through the digital lesson sequence at their own pace. An embedded daily diagnostic assesses understanding and automatically launches just-in-time support.
Digital Lesson Components
Zearn digital math lessons offer a consistent structure of learning activities, designed to accelerate learning by integrating unfinished learning into the context of new learning.

**Digital Lesson Components**

**Fluency practice**
Number Gym is a fluency experience that helps students build foundational number sense. After Number Gym, students complete Lesson-Aligned Fluencies that develop procedural fluency and prepare students for new content. Coming soon in grades 6-8.

**Learn new math**
After fluency practice, students learn new concepts during Guided Practice activities. Each activity explores new concepts with real on-screen teachers, interactive digital manipulatives, and pause points where students stop and do math. Throughout each activity, students are prompted to complete guided paper-and-pencil Student Notes.

**Show what you know**
Students demonstrate their understanding of the lesson in Zearn’s Tower of Power, an embedded daily diagnostic that assesses understanding and automatically launches just-in-time support when students need it. After students complete a Tower of Power, they earn a digital Badge and automatically progress to the next lesson.

**Preview a digital lesson!** Check out a digital lesson in action in this short video.
Placing students with Zearn

Zearn connects unfinished learning into the context of new, grade-level learning so all students make connections and accelerate.

Daily diagnostic and just-in-time support responds to evolving learning needs

With Zearn, all students have the opportunity to engage with grade-level content with context and friendly on-ramps that activate prior learning. Each digital lesson includes an embedded daily diagnostic that assesses understanding and automatically launches just-in-time support.

Getting Started

When starting Zearn at the beginning of the school year, all students should be placed at the first digital lesson of their grade. From there, students work through the digital lesson sequence at their own pace with the specific support they need.

Accelerate, Don’t Remediate: Research in support of learning acceleration

Research using data from over 100,000 elementary math classrooms shows that students who experienced learning acceleration struggled less and learned more than students who started at the same level but experienced remediation instead. Put simply, this research shows that connecting unfinished learning into the context of new, grade-level learning allows all students to make connections and accelerate. Read the Study
Example Schedule
To maximize impact, students should complete at least 3 grade-level digital lessons each week.

Example Tutoring Schedule

**45-60 minute sessions | 3x weekly**

<table>
<thead>
<tr>
<th>Activity</th>
<th>Description</th>
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<tbody>
<tr>
<td>Problem Solving  (using application problems from Zearn) 10-15 minutes</td>
<td>Tutors open each session with problem solving using materials from Zearn, starting with the first unit of the grade. Tutors facilitate math discussions where students explore different ways to solve problems and discuss their thinking aloud with their tutor and peers.</td>
</tr>
<tr>
<td>Digital Lessons 30-40 minutes</td>
<td>Students log in to Zearn’s online math platform and complete interactive digital lessons. Students work at their own pace, automatically progressing as they complete activities. If they don’t finish a lesson in one session, that’s ok! They begin where they left off the next time they log in.</td>
</tr>
<tr>
<td>Session Closing 5 minutes</td>
<td>Tutors prompt students to reflect on the session and what they’ve learned.</td>
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Example Tutoring Schedule B

**30 minute sessions | 4-5x weekly**

2 days each week

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2 days each week

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<tr>
<td>Digital Lessons 30 minutes</td>
<td>Students log in to Zearn’s online math platform and complete interactive digital lessons, starting where they left off in previous sessions. If tutors are available during this time, they work side by side 1:1 with students who may need extra support during digital lessons. Tutors prompt students to read the problem aloud, work out the problem on paper, revisit the Guided Practice, and work through the Boost.</td>
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For Tutors: Getting started

Get to know Zearn (one-time)
- Orient to the flow of a digital lesson & the daily digital diagnostic by watching this short video.
- Orient to the data in Zearn reports by watching these short tutorial videos.
- Review tutoring sample session schedules.
- Login and familiarize yourself with the Zearn platform. For step-by-step instructions, check out the Zearn Guide to Accessing Tutoring Materials. Guides are available for each grade.

Prepare for tutoring sessions (before each session)
- Complete Curriculum Study PD for the unit, focusing on Overview and Word Problem sessions
- Review the materials that you will be using. G1-G5 tutors will use Zearn's Word Problems and G6-G8 tutors will use Warm Up activities from Zearn Lessons.
- Preview digital lessons students will be completing & take note of the strategies they will learn
- Get a few questions wrong in the Math Chat and Tower of Power to review scaffolding
- Review Zearn Reports to see where students may be stuck and need extra support

Get the materials ready (before each session)
- Make sure students have login information
- Make sure you have your instructional materials on-hand
- Ensure each student has access to a device, internet, and pencil
- Grab paper materials for lessons students will be working on. In G1-G5, students use Zearn Workbooks or printed Student Notes. In G6-G8, students should use a notepad alongside digital lessons.

Tutor with Zearn! (during each session)
- Discuss the math problems with students, emphasizing different ways to solve
- Prompt students to log in to their digital lessons
- Remind students that mistakes are how we learn! If they don't know an answer in a digital lesson, remind them to take their best guess and Zearn will help them.
- At the end of each session, ask students to reflect on what they learned. Remind students that they did math today, so they are a math person! Check out this math person poster!
For Tutors: Accessing Tutoring Materials

Go to [www.zearn.org](http://www.zearn.org)

Log in to tutor accounts

*If you don’t have a tutor account, reach out to your school/district and/or Zearn Support.*

After login, you will be directed to the Welcome Page. From here, you can navigate to materials to review instructional strategies for each tutoring session, as well as access word problems and problem solving activities for tutoring sessions.

*This view is only for teachers and tutors. Students will login and directly begin working on digital lessons.*
To begin, click on the PD tab and select your student(s) grade and mission.

Complete Curriculum Study PD for the unit, focusing on (1) Overview and (2) Word Problem sessions.
Next, click on the Curriculum tab and select your student(s) grade and mission.

(1) Open the Word Problem document to review and work through the upcoming word problem.

(2) Click on the Guided Practice for upcoming lessons to preview digital lessons students will be completing & take note of the strategies they will learn.

Get a few questions wrong in the guided practice (Math Chat, Learning Lab) to review scaffolding.
To review student progress, click on Reports tab and select Student Reports.

Select student(s) by class and name.
Review Zearn Reports to see where student(s) may be stuck and need extra support.