

# Zearn Math Curricular Materials: Middle School Pilot

## COMPREHENSIVE MATERIALS TO SUPPORT DAILY DIFFERENTIATED INSTRUCTION

### Student Materials

#### LESSON MATERIALS

The Independent Digital Lessons allow students to engage with new concepts at their own pace, supported by personalized remediation paths that allow students to correct misconceptions in-the-moment and continue learning. Students use notes from the Student Lesson Materials to complete both the teacher-led instructional lesson and the Independent Digital Lesson. Student Lesson Materials include the Warm-Up, Small-Group Lesson, paper-based problems from the Independent Digital Lesson, Lesson Summary, and Exit Ticket. Each Mission also includes Optional Practice Materials, which contain Problem Sets for students who may need more opportunities to learn or practice specific math ideas, as well as Enrichment activities to deepen and extend the math ideas of the Mission.

- Independent Digital Lessons
- Student Lesson Materials
- Optional Practice Materials

#### ASSESSMENTS

Zearn Math includes a series of ongoing, formative assessments designed to provide teachers with precise and actionable insight about student understanding. Zearn Math offers Mission-level paper-based assessments that consist of open response items that require students to show their work or explain their thinking in a variety of ways. Zearn also offers two daily lesson-level assessments. One is a digital scaffolded assessment that allows students to demonstrate their new understanding. The digital assessments are administered automatically at the end of each digital lesson. The other is an un-scaffolded paper and pencil Exit Ticket that allows teachers to see how students are transferring their learning daily.

- Daily Digital Assessments
- Daily Paper Exit Tickets
- Mid-Mission Assessments
- End-of-Mission Assessments

# Teacher Materials

## OVERVIEW MATERIALS

Zearn Math’s pilot of 6th-grade and 7th-grade Missions offer Grade and Mission Overview materials that support teachers with planning and delivering differentiated instruction that meets the needs of all learners. Grade Overviews include a summary of learning objectives for each Mission, pacing guidance, key grade-level terminology, a list of required materials, and detail on the standards covered by each lesson. Mission Overviews outline the flow of all Topics, Lessons, and Assessments and highlight the foundational missions, which are where concepts are introduced earlier and developed. Mission Overviews also list out new and recently introduced terms and the required materials for teacher-led instruction. In addition, Teacher overview materials include Family Materials for each Mission of every grade, which discuss key learning objectives and include sample problems for parents/caregivers to try at home with their students.

- **Grade 6 and 7 Overview**
- **Grade 6 and 7 Mission Overviews**
- **Family Materials**

## LESSON MATERIALS

The lesson-level materials for teachers include resources that help facilitate rich, participatory math discussions between students and create opportunities for teachers to engage deeply with each learner and provide individual feedback. The downloadable Teacher Lesson Materials include lesson-level learning goals, activities for both whole-group warm-up and small-group instruction, sample student responses, guidance for student discussion, anticipated misconceptions, and supports for English Language Learners and students with disabilities. Each lesson also includes a Classroom Presentation, which is a digital resource for teacher-led instruction that contains the Warm-up, Small Group Lesson, and Wrap-up activities, and helps teachers with the overall flow of the math block. The Foundational Lesson Guidance identifies specific earlier lessons where grade-level concepts are introduced and developed, and acts as targeted intervention content that can be initiated at the appropriate point of struggle. Teachers also have access to Class Reports and Student Reports, which provide visibility into student productivity and areas of struggle to inform instruction and support.

- **Teacher Lesson Materials**
- **Classroom Presentations**
- **Foundational Lesson Guidance**
- **Class Reports**
- **Student Reports**