

Exploring Math Instruction for Early Learners: Introducing Eureka Math²™ Prekindergarten

Thank you for registering for our most recent Great Minds® mathematics webinar entitled Exploring Math Instruction for Early Learners: Introducing *Eureka Math²* Prekindergarten. As part of that event, attendees submitted their questions and our math experts created responses which are summarized below.



Does this prekindergarten course apply to students that are three years old?

Yes, the course does apply to students that are three years old. The developmental progressions outline the expectations for 3-year-olds. Modules 1, 2, and 4 include content aligned to research-based expectations for that age. In addition, lessons include entry points for 3-year-olds and can be tailored to meet their learning needs.

Will this prekindergarten course work for programs that are both half-day and full day in duration?

Yes. The program works for both half and full-day prekindergarten models. Lessons run between 10-25 minutes and may be taught within a flexible weekly schedule. There are 110 core lessons, ten optional lessons, and three optional projects.

Will ongoing professional development be available with this program?

Yes, professional learning courses and coaching will be created to support this prekindergarten program.

Does the curriculum spiral? Can you address the concepts several times throughout the course?

The curriculum offers many opportunities for students to practice concepts throughout the year. We recognize that students are at different ages and stages of development, so we offer multiple options for engaging students in our lessons.

How engaged will students be in this prekindergarten program?

Students are highly engaged. All lessons provide opportunities for student choice, discourse, and play.

How much experience do you have using *Eureka Math*² prekindergarten in classrooms?

This prekindergarten program has undergone some rigorous field testing as lessons were taught in 11 classrooms in 3 different schools with students ranging in age from 3-5.

Can you talk about how a Transitional Kindergarten teacher would use this in their state where there are separate options for Prekindergarten, Transitional Kindergarten, and Kindergarten?

As the age requirements for Transitional Kindergarten change from state to state, we typically see more 4-year-olds in the classroom. This curriculum is appropriate for both Prekindergarten and Transitional Kindergarten classrooms that are a mixture of 4- and 5-year-old students.

How flexible is this course for English Learner (EL) students? Is there support provided?

Due to the instructional design of all *Eureka Math*² courses, the course is designed to be flexible, and it includes several supports to help English Learners. Because students are young, this may be their first experience with structured instruction. We include point-of-use margin notes to aid teachers with scaffolds and supports for diverse learners. These include

- Universal Design for Learning (UDL) These teacher suggestions promote flexibility with engagement, representation, and action and expression. These three UDL principles are aligned with UDL guidelines embedded in the lesson, describing how each scaffold promotes access and minimizes barriers to the content.
- Language Support boxes provide ideas to support students with receiving (reading and listening) and producing (speaking) English in mathematical contexts. These boxes may preview academic- and content-specific terminology, manage peer support for language differences (e.g., graphic organizers to support word meaning), and support students with multiple-meaning math terms. Because our youngest learners are developing language, lessons also include embedded language support strategies.
- Differentiation suggestions provide targeted strategies to help meet the needs of specific learners based on information gathered during informal assessment in the lesson (or during a previous lesson). There are two types of differentiation boxes: Support and Challenge. The content in these boxes supports students in the moment or advances learning in students who have mastered a concept.

For our native Spanish speakers, the program will be available in Spanish for back to school 2023.

Does this Prekindergarten course have a similar pacing schedule to the other grades? How much time does a typical lesson take?

As we walk through the components of the PK curriculum, you'll notice the varying pacing and lesson structures of PreK classrooms, such as:

- The number of days a student may attend class in a typical week.
- The amount of time a student spends in prekindergarten, which could be a few months to a few years
- The daily structure of different prekindergarten schools, including how much time is dedicated to a chosen curriculum.

As such, our lessons are designed to be 20-25 minutes in length. In addition, we have created 110 lessons, ten optional lessons, and three optional projects, which, if used together, could span a typical school. However, we designed the program to be as flexible as possible to fit the unique needs of 3- 4-year-old learners. These include:

- Short periods of attention
- Need for physical engagement
- Playful experiences