

Getting Ready to Teach *Fourth Grade Action Fractions (PILOT)*

Welcome to Fourth Grade *Action Fractions*. This guide introduces the organization and pedagogy of *Action Fractions* and provides tips to help you start planning and teaching right away.

If you are not currently teaching *Everyday Mathematics*, you may wish to spend some time determining where the *Action Fractions* content would best fit within the scope and sequence of your curriculum. This information is summarized in each Lesson Opener (first page of each lesson). The numbers prefixing the lesson names correspond to to *Everyday Mathematics* lessons.

The complete Grade 4 curriculum consists of four “batches” of lessons as listed below. Plan to spend approximately 45–60 minutes per *Scratch* lesson. Unplugged lessons are typically 15 minutes. While we encourage you implement as many lessons as possible, we have highlighted the lessons required for this pilot implementation year. Prior to teaching the required lessons, you may also decide to teach the Grade 3 introductory lessons 2-3A Animal Number Story and 2-9A Sharing Equally.

- Batch 1
 - [1-12A Brownie Bites \(unplugged\)](#) (G3)
 - [2-3A Animal Number Story](#) (G3)
 - [2-9A Sharing Equally](#) (G3)
 - [2-12A Fraction Circles 1](#) (G3)
- Batch 2
 - [1-3A Introducing Conditionals: A Rounding Shortcut \(unplugged\)](#)
 - [2-2A Introducing Variables: Robot Boxes \(unplugged\)](#)
 - [2-2B Variables: Math Chat](#)
 - [7-8A The Frog and The Fly](#) (G3)
- Batch 3
 - [3-1A Pizza Sharing](#)
 - [3-4A Ambling Animals](#)
 - [3-6A Comparing Fractions: Slicing Sandwiches](#)
 - [3-6B Comparing Fractions: Same Numerators](#)
- Batch 4
 - [5-3A Adding Fractions](#)
 - [5-7A Subtracting Fractions \(unplugged\)](#)
 - [5-7B Getting Mack Home](#)
 - [6-9A Storyboarding: Multistep Number Stories](#)
 - [6-12A Create your Own Number Story Project \(2-day lesson\)](#)

The Teacher’s Lesson Plan is your primary source for information on planning lessons. In most lessons, students will complete a TIPP&SEE journal page and modify an online *Scratch* program.

➤ Preparing for the *Action Fractions* Curriculum

BEFORE the Action Fractions Curriculum Implementation:

- ✓ Attend a 1-day [Action Fractions PD workshop and fill out the PD survey](#).
- ✓ Fill out and return research study consent form.
- ☐ Fill out [Teacher CT Pre-Survey](#).
- ☐ Fill out forms (for stipend): W9 and UChicago Vendor Form.
- ☐ Request your Scratch teacher account.
- ☐ Set up Scratch accounts for your class. (We can help!)

DURING the Action Fractions Curriculum Implementation:

- ☐ Plan lesson implementation based on the lesson content and the scope and sequence of your math curriculum.
- ☐ Implement the 5 required lessons (minimum):
 - [2-12A Fraction Circles 1](#) (G3)
 - [2-2B Variables: Math Chat](#)
 - [7-8A The Frog and The Fly](#) (G3)
 - [3-1A Pizza Sharing](#)
 - [5-3A Adding Fractions](#)
- ☐ Use Ongoing PD Support:
 - Share experiences and/or ask questions in the online learning community (bit.ly/ActionFractionsSlack).
 - Participate in monthly webinar and/or view recorded webinar videos.
- ☐ Fill out the [Feedback & Reflection online form](#) after teaching each lesson.

AFTER the Action Fractions Curriculum Implementation:

- ☐ Fill out [Teacher CT Post-Survey](#).
- ☐ Participate in one interview with the UChicago LTEC Team (focus group or 1:1 interview, 60 mins max).
- ☐ Receive stipend after online forms are received and interview has been completed.