

# 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 currently teaching *Everyday Mathematics*, *Action Fraction* lessons will be integrated into the *Everyday Mathematics* curriculum as follows: two lessons during unit 1, two lessons during unit 2, four lessons during unit 3, three lessons during unit 5, and two lessons during unit 6. After the lesson in unit 6 is completed, a culminating Scratch project activity will be assigned. Additionally, there will be three CT assessments, one beginning of the year math assessment, and one end of year (E-O-Y) math assessment administered.

The Grade 4 Pilot curriculum consists of three “batches” of lessons as listed below. Plan to spend approximately 45–90 minutes per *Scratch* lesson. Unplugged lessons are typically 15 minutes.

- [Beginning of Year Math Assessment](#)
- Batch 1
  - [1-3A Introducing Conditionals: A Rounding Shortcut \(unplugged\)](#)
  - [1-6A Zoo Animals Number Story](#)
  - [2-2A Introducing Variables: Robot Boxes \(unplugged\)](#)
  - [2-2B Variables: Math Chat](#)
  - [Early CT Assessment \(15 minutes\)](#)
- Batch 2
  - [3-1A Pizza Sharing](#)
  - [3-4A Ambling Animals](#)
  - [3-6A Comparing Fractions: Slicing Sandwiches](#)
  - [3-6B Comparing Fractions: Same Numerators](#)
  - [Mid Assessment \(20 minutes\)](#)
- Batch 3
  - [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 \(2-day lesson\)](#)
  - [Post CT Assessment \(25 minutes\)](#)
- [End of Year Math Assessment](#)

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 view/modify an online *Scratch* program. Additional resources for grade 4 *Action Fractions* can be found online: [http://bit.ly/PDresources\\_G4](http://bit.ly/PDresources_G4).

**BEFORE the Action Fractions Curriculum Implementation:**

- ☐ Attend a 1-day or 2-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.
- ☐ Distribute and collect student consent forms, return them to UChicago LTEC Team.
- ☐ Request your Scratch teacher account.
- ☐ Set up Scratch accounts for your class. (We can help!)

**DURING the Action Fractions Curriculum Implementation:**

- ☐ Administer Beginning of Year Math Assessment.
- ☐ Plan lesson implementation and schedule an observation for each batch.
- ☐ Implement 3 batches of Action Fractions lessons (approx. 4 lessons per batch)
  - ☐ Use Ongoing PD Support:
    - Share experiences and/or ask questions in the online learning community ([bit.ly/ActionFractionsSlack](https://bit.ly/ActionFractionsSlack)).
    - Participate in monthly webinar and/or view recorded webinar videos.
- ☐ Fill out the [Feedback & Reflection online form](#) after teaching each lesson.
- ☐ Administer student CT assessments (when specified) at the end of a batch.
- ☐ Mail student work and assessments (with cover sheet checklist) to the UChicago LTEC Team at the end of each batch.
- ☐ Receive stipend payment after (student work) and online forms are received for each batch.
- ☐ Administer End of Year Math Assessment.

**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 final stipend payment after all requirements are met.