

# Tracking Time

## 2nd-3rd grades

### Overview

In this build series, students will reflect on the value of tracking time. They will consider how they use time in their daily lives, talk about how they keep track of time, and explain why it is important to have these skills.

### Connect to Curriculum

This build series can be part of classroom activities that involve:

#### Measurement and Data:

- Telling and recording time.
- Solving problems involving measurement and estimation of intervals of time.

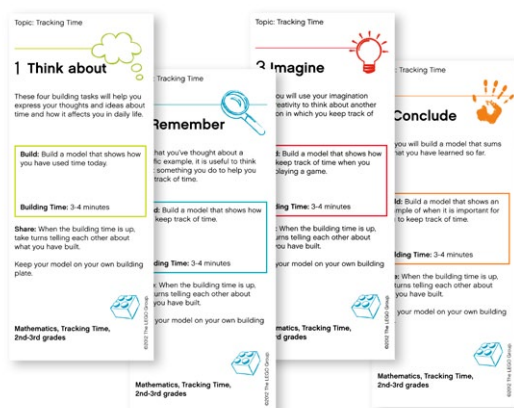
### Before You Begin

Assess and encourage prior learning by:

- Introducing and defining key vocabulary: *unit of time*, *second*, *minute*, *hour*, and *day*.
- Reading about and researching alternate methods of tracking time, such as 24-hour clocks, sundials, hourglasses, movement of Moon and stars, and circadian rhythms.
- Practicing telling time using both analog and digital clocks and various forms of calendars as examples.

### Build and Share

Have students build and share their models by following the steps outlined in the Challenge Cards provided with this activity.



#### Tip:

Consult the Quick Start Guide of this activity pack for ideas on classroom management and organization.



#### Vocabulary:

- **unit of time:** measurements used to observe how time passes
- **second:** a small unit of time; about as long as it would take to say "One steamboat" aloud
- **minute:** a unit of time equal to 60 seconds
- **hour:** a unit of time equal to 60 minutes
- **day:** a unit of time equal to 24 hours; about as long as it takes Earth to turn once on its axis

## Reflect on the Experience

Encourage students to record and reflect on their models and ideas.

### Extensions

After completing the build series, encourage further learning by:

- Completing a similar series of build challenges with a focus on using money. (Mathematics)
- Writing a list of tips or advice to help a younger student or sibling track their time and so on. (Language Arts, Mathematics)
- Researching how earlier civilizations kept track of time and used it in their daily lives and how technological advancements have made a difference. (Social Studies)
- Examining how keeping track of time is essential to reading musical scores and playing instruments. (Music)
- Researching the role of timekeeping in sports. (Physical Education)

### Facilitating Questions:

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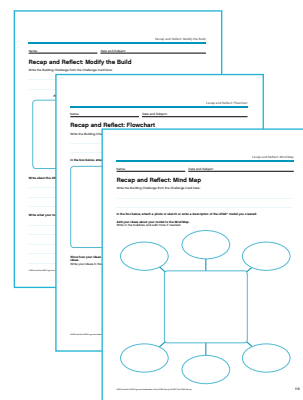
### Notes:

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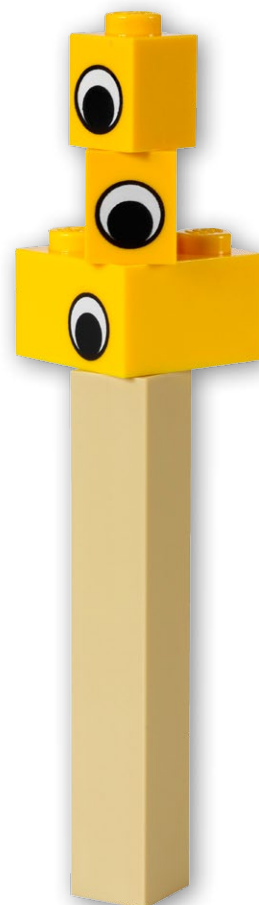
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#### Tip:

Use one of the Recap and Reflect Worksheets available in the Support Materials section of this activity pack to document the build experience.



Topic: Tracking Time

# 1 Think about



These four building tasks will help you express your thoughts and ideas about time and how it affects you in daily life.

**Build:** Build a model that shows how you have used time today.

**Building Time:** 3-4 minutes

**Share:** When the building time is up, take turns telling each other about what you have built.

Keep your model on your own building plate.



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# 2 Remember



Now that you've thought about a specific example, it is useful to think about something you do to help you keep track of time.

**Build:** Build a model that shows how you keep track of time.

**Building Time:** 3-4 minutes

**Share:** When the building time is up, take turns telling each other about what you have built.

Keep your model on your own building plate.



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# 3 Imagine



Now you will use your imagination and creativity to think about another situation in which you keep track of time.

**Build:** Build a model that shows how you keep track of time when you are playing a game.

**Building Time:** 3-4 minutes

**Share:** When the building time is up, take turns telling each other about what you have built.

Keep your model on your own building plate.



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# 4 Conclude



Now you will build a model that sums up what you have learned so far.

**Build:** Build a model that shows an example of when it is important for you to keep track of time.

**Building Time:** 3-4 minutes

**Share:** When the building time is up, take turns telling each other about what you have built.

Keep your model on your own building plate.



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