



Project Exploration creates transformative learning opportunities for youth underrepresented in the sciences –particularly students of color and girls – by equipping them with the skills, practices, and mindset needed for a lifelong pursuit of learning. STEM@Home makes activities around science, technology, engineering, and math accessible and fun to do at home. This STEMbook activity, resources, and more are available at [www.projectexploration.org/stemathome](http://www.projectexploration.org/stemathome).

## In this activity, you will:

explore time using materials at home. You will be able to understand how we use time and why it's important. You will also demonstrate how we use time in our daily lives. You can then teach others how to tell time!



## Supplies Required:

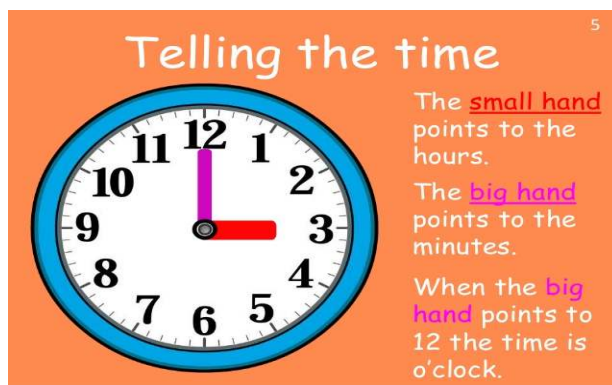
- 1 large paper plate
- 1 sheet of cardstock
- 1 brass fastener
- 1 wooden skewer or pencil
- 1 pair of scissors
- Markers

## Video

Listen to the book, *It's All About Time* (<https://tinyurl.com/rdycvdt>) before completing the activity!

## Overview

Time is described as the ongoing and continuous sequence of events that occur from the past, through the present, to the future. Time is used to measure and compare the duration of events and the space between them. We can measure time using clocks and calendars. When using or reading a clock, the little hand marks the hour, and the big hand marks the minutes. For example, if the little hand is pointing to 1, it is the 1 o'clock hour. The large hand on the clock points to minutes, starting at the 12.



## Instructions

1. Find a plain white paper plate
2. Write the numbers 1 - 12 around the rim of the plate
3. Try to make the spaces between the numbers as even as possible
4. Draw 2 arrows on a piece of stock paper, little hand, big hand and cut them out
5. The big arrow will be the minute hand, the little arrow will be the hour hand
6. If you want, use your markers to decorate the hands and the plate
7. Poke a hole in the center of the clock using the wooden skewer
8. To find the center flip the plate over so it is facing you and mark an x there
9. Line up the bottom of the arrows first, then punch a hole through both arrows at the same time
10. Place the arrows on the clock, making sure that the hole in each arrow lines up with the hole in the clock
11. Stick the brass fastener through the holes, the pointy end should be coming out the back of the clock
12. Ask an adult to help you with the brass fastener if you need to
13. Turn your clock over, test your clock by moving the hands around

## Additional Resources

### Think About It!

How long did it take you to design your clock? How do you define time? What does each arrow signify? What time is it now? Move the hands to show the time you wake up and the time you go to sleep!

1. Watch this fun video and sing along while you learn more about time! <https://tinyurl.com/y34sq37z>

## Share It Out

**Share on social media:** take a photo of the clock you made and move the hands to show the time when you share it on social media! Film yourself singing along to the time song and post it!

Use the hashtags:

#TimeReadAlong  
#ProjectExploration  
#StemAtHome  
#StemLiteracy

**Share via PE's website:** Students who complete STEM@home activities and share what they learned with the PE team via our website will earn points which can be traded in for cash prizes at the Explore Store. Your project number is 104. Learn more at [www.projectexploration.org/explore-store](http://www.projectexploration.org/explore-store)

### Join PE's character contest!

Design a STEM character who will lead kids through activities and be featured on our website and in our STEMbooks. Cash prizes will be awarded to the top 3 finalists.

Learn more at [www.projectexploration.org/character-contest](http://www.projectexploration.org/character-contest).



Need help? Call us: 312-772-6634

[www.projectexploration.org](http://www.projectexploration.org)