

Tick Tock, Paper Clock



Artist/Author: Amaranta Sandys

Time Needed: 30 minutes

Arts Focus: Visual Art
Math Focus: Time

Age Range: 6-8

Mini-Lesson Description: In this lesson, learners will make a two-dimensional paper analog clock to represent and solve problems exploring intervals of time. Learners will be encouraged to design a clock face using colors and shapes that represent day and night.

Key Concepts: Counting; Analog Clock; Hours; Minutes; Design; Tracing; Circles; Color Representation; Day and Night; 24 hours.

Materials Needed/Prep:

- 8" cardstock circle for clock face (a paper plate works great!)
- 4"x3" colorful cardstock for clock hands
- Markers, colored pencils, crayons, pencil
- 1 circular object for tracing onto clock face (cereal bowl, larger container lid)
- 1" long metal brad or twist tie (recycled from produce or bread bag)
- Scissors
- Optional: 8.5"x11" sheet of paper for background, tape, thumb tack

Step-by-Step:

1. Discussion:
 - What do we know about night and day? What colors remind you of night and day? What shapes or symbols? Can you think of any different clocks you've seen (hourglass, sundial, analog, digital)?
 - What does the word "design" mean? Did you know artists have jobs as designers? Artists design clothing, furniture, jewelry, covers of books, and even design the faces of clocks. You can design too!
2. Design the clock face:
 - Using the 8" paper circle or paper plate, your circular object, and a marker—turn the object upside down on the clock face and trace around it.
 - Inside the traced circle, use markers or colored pencils to design your clock face with things that remind you of, or represent, day and night.
3. Add some numbers:
 - Fold the circle into halves, then quarters. Open the circle to find the center and mark it with a dot.
 - Between your clock face design and edge of the paper, draw the numbers 3, 6, 9, 12, on each end of the folded lines of your clock face: 12 at the top, 3 on the right, 6 at the bottom, 9 on the left.
 - Pause and practice patterns of three, 3, 6, 9, 12: is that how many hours are in a day?
 - Add the rest of the numbers to the clock 1, 2, 4, 7, 8, 10, 11.
4. Add clock hands:
 - Cut 2 strips from the 4"x3" paper for the hour hand (trim shorter) and minute hand (leave long). Cut one end of each strip to a point.
 - Stack the 2 clock hands on the dot in the middle of the clock face, pierce them with a tack, and release and insert the metal brad through them. Alternatives: use a twist tie or just some tape.
5. Practice together how we show this on the clock:
 - What time is it now? What time do we usually go to sleep? Waking time?
 - Now try to set your clock to 7:00, 2:30, 12:15....
6. Keep practicing showing time and reading your paper clock.

Variations and Next Steps:

- Add your clock face to a background and decorate

Standards

WA State Visual Art Anchor Standard 2: Organize and develop artistic ideas and work. **Performance Standard (VA:Cr2.3.2) a.** Repurpose objects to make something new.

Math Standards: ([CCSS.MATH.CONTENT.2.MD.C.7](https://www.arts.wa.gov/creative-start-studio/)) Tell and write time from analog and digital clocks to the nearest five minutes, using a.m. and p.m.

Watch a video of this Creative Start Mini-Lesson and find more at: <https://www.arts.wa.gov/creative-start-studio/>