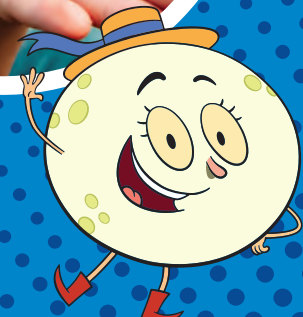




# SUMMER!

## FUN ACTIVITY BOOK



**UPPER  
ELEMENTARY**

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# Week 7: Around the World

## July 31 – August 6

Experience food, art, music, and cultures from around the globe. Our featured careers this week are chef, airplane pilot, and cybersecurity expert. Scan the QR code or visit [MichiganLearning.org/Summer/World](https://MichiganLearning.org/Summer/World) to explore all of our videos this week.

Use the sheet below to mark off this week's activities as you complete them. See if you can get a BINGO! Some of them are in this book, and some ask you to use your imagination or go outside.

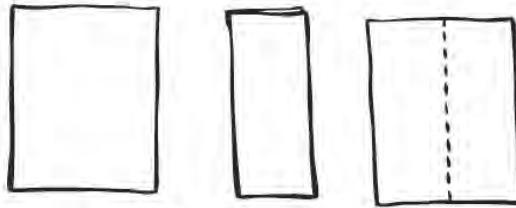


Make paper airplanes with Ready Jet Go	 60 mins. of activity	 Read for 20 minutes	Write a story about traveling	Learn to say hello in another language
 Read for 20 minutes	Write your hero story with Story Pirates	Design your own flag	Learn about a family member's job	 60 mins. of activity
 60 mins. of activity	Watch Math Park	 HAVE FUN! (Free Space)	Watch DIY Science Time	 Read for 20 minutes
Watch Live From the Opera House	Learn about a place you'd like to visit	Watch Cartoon Academy	Watch InPACT at Home	Watch Virtual Vitamin Z
Watch InPACT at Home	 Read for 20 minutes	Make Density Art	 60 mins. of activity	Create a musical instrument

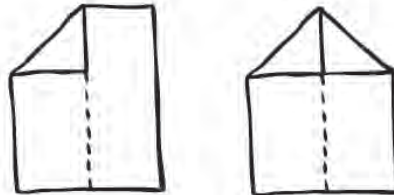


# Paper Airplane

1. Fold paper in half the long way and reopen.



2. Fold the top two corners into the center spine of the paper.



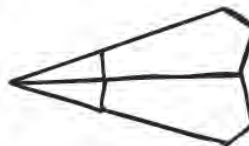
3. Refold lengthwise and rotate the paper to lay on the table like this:



4. Fold the top left corner down to lay parallel to the bottom spine. Repeat this step on the other side.



5. Turn the paper over and repeat the last two steps. Your airplane should look like this!



6. Now, try to fly it to the moon! How far can you make the airplane fly?

For more games and activities, visit [pbskidsforparents.org](http://pbskidsforparents.org)

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# Density Art



1. Scan the QR code on this sheet to watch the video and follow along with Mister C.



helps you



2. You'll need:

- a. This printout
- b. Plain printer paper or canvas paper
- c. Food coloring
- d. Vegetable Oil
- e. Pipette or straw
- f. Pan

## Discussion Questions:

Does the type of paper impact the art?

How can you manipulate the colors to make more colors than you originally had in the food coloring box?

What if you added something like glitter to the oil and water mixture?

## Fun Fact:

Symmetry is used in photography to create beautiful images. Butterflies have a line of symmetry down the center of their bodies.



# MATH PARK

## Introducing Decimals: Tenths

Directions: Scan the QR code to watch the video, and then write each fraction as a decimal.



$$\frac{1}{10} = 0.1$$

$$\frac{3}{10} =$$

$$\frac{8}{10} =$$

$$\frac{2}{10} =$$

$$\frac{5}{10} =$$

$$\frac{9}{10} =$$

$$\frac{10}{10} =$$

$$\frac{7}{10} =$$

$$\frac{6}{10} =$$

$$\frac{4}{10} =$$

**THE STORY PIRATES**  
**CREATOR CLUB**

\*Joke Answer -  
They have lots of degrees!

## DIY Thermometer

### EXPERIMENT

**Step 1:** Gather materials.

**Step 2:** Fill your bottle about half way up with water and add a few drops of food coloring.

**Step 3:** Shape the modeling clay into a sphere larger than the opening of the bottle. Carefully poke your straw through the clay (make sure the straw doesn't get blocked).

**Step 4:** Place the clay sphere and straw on top of the bottle, allowing the straw to reach near the bottom of the bottle (don't allow the straw to touch the bottom of the container). Seal the bottle with the clay, making sure there are no gaps to allow air to enter.

**Step 5:** Note the level of the water, this is room temperature.

**Step 6:** Try placing your thermometer in ice water and observe what happens to the liquid in the straw.



### WHY IT WORKS

When the temperature of the liquid in the bottle increases, it has gained energy, causing its molecules to expand and rise into the narrow straw. When the liquid cools, its molecules lose energy causing them to contract, allowing the liquid in the tube to fall to a lower level. Therefore, high levels of liquid in the tube indicate a higher temperature and low levels indicate a lower temperature.

### EXTEND YOUR LEARNING

- What happens if you put your thermometer into warm water?
- Would using a liquid other than water change the way your thermometer behaves?
- Could you add lines to your thermometer to get a better, more accurate reading?

### WORKFORCE CONNECTION

Solar photovoltaic (PV) installers, also known as PV installers, assemble, set up, and maintain rooftops or other systems that convert sunlight into energy. Solar photovoltaic installers usually work as part of a team. They must understand how solar energy is converted into electric energy by the solar panels they install. They must also set up systems to safely store this collected solar energy for use in homes and businesses.

# it's Storytime CHALLENGE

**What else can you make with origami?**

*It can be a design that you know, or you can create your own design.*



**What other materials could you find and use?**

- Paper/Newspaper •
- Ruler •
- Scissors •



**ASK**

▶▶▶ What is the problem?



**IMAGINE**

▶▶▶ Brainstorm possible solutions.



**PLAN**

▶▶▶ Pick an idea and plan out how you are going to do it.



**CREATE**

▶▶▶ Build it!



**IMPROVE**

▶▶▶ What worked? What didn't?  
▶▶▶ How can you make it better?



**SHARE**

▶▶▶ Share your idea!

**LIVE**  
from the  
**OPERA HOUSE**  
it's  
Storytime

**TCAPS**  
Traverse City Area Public Schools  
Great Community, Great Schools

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**CITY OPERA HOUSE**





## **WHAT IS MEET UP AND EAT UP?**

Meet Up and Eat Up provides FREE nutritious meals for children and teens 18 years and younger.

## **HOW DO I SIGN UP?**

No application or sign-up needed, just come and join us!

## **WHERE IS IT?**

To find a location near you

**Visit: [www.michigan.gov/meetupeatup](http://www.michigan.gov/meetupeatup)**

**Call: 211**

**Text: Food to 304-304**

**Mande por texto "Comida" al 304-304**



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