

#### FUN ACTIVITY BOOK

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### Week 8: Space

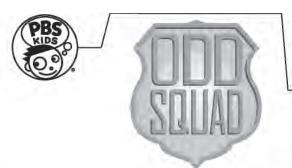
Meet astronauts and virtually visit the planets and stars. Our featured careers this week are astronaut, astronomer, and computer scientist. Scan the QR code or visit MichiganLearning.org/Summer/Space to explore all of our videos this week.

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.



<b>Stargaze</b>	<b>بڑ</b> 60 mins. of activity	Read for 20 minutes	Draw a space creature	Watch Career Girls
Read for 20 minutes	Try the Odd Squad Robot Coder	Create your own constella- tion	Research a featured career	<b>بڑ</b> 60 mins. of activity
<b>بڑ</b> 60 mins. of activity	Draw your hero story with Story Pirates	HAVE FUN! (Free Space)	Look at the clouds	Read for 20 minutes
Name all the planets in the solar system	Watch NASA at Home	Watch Live From the Opera House	Watch InPACT at Home	Visit a new place
Watch InPACT at Home	Read for 20 minutes	Design a rocket ship	<b>بڑ</b> 60 mins. of activity	<b>*</b> Stargaze

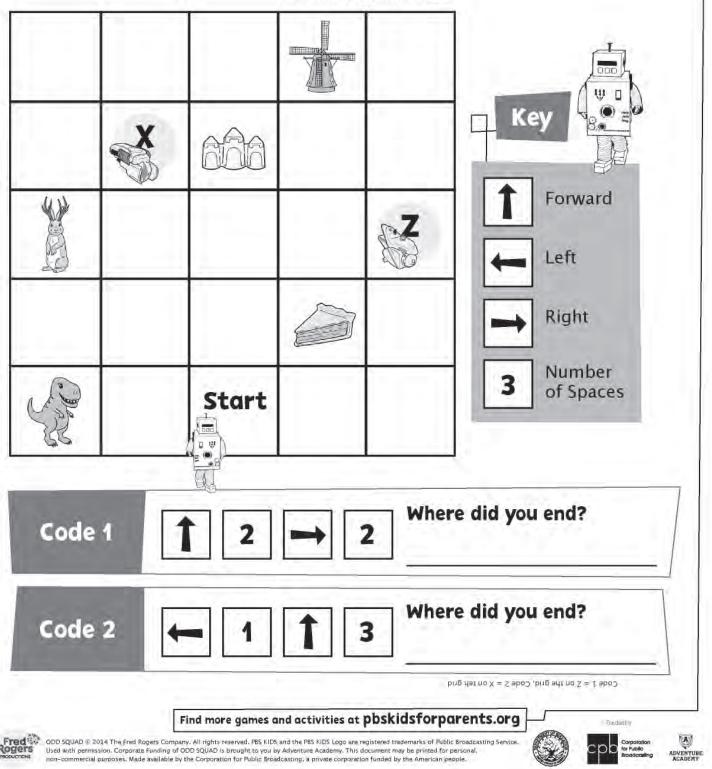
# August 7-13



#### **Robot Coder**

**Follow the code!** Agent Oswald needs YOUR help to move the ODD-some robot through the warehouse to retrieve his gadgets. Use the key on the side of the page and follow the codes to guide the robot.

Name

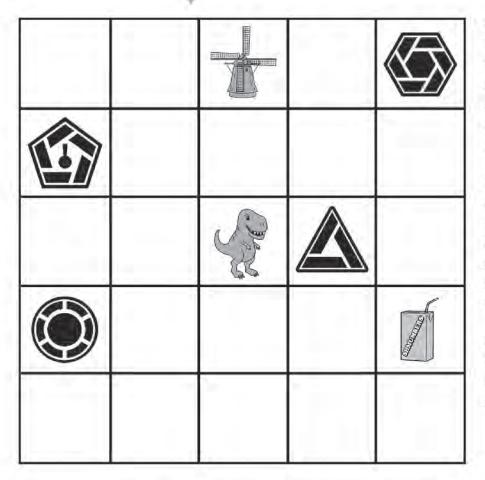






#### **Robot Coder**

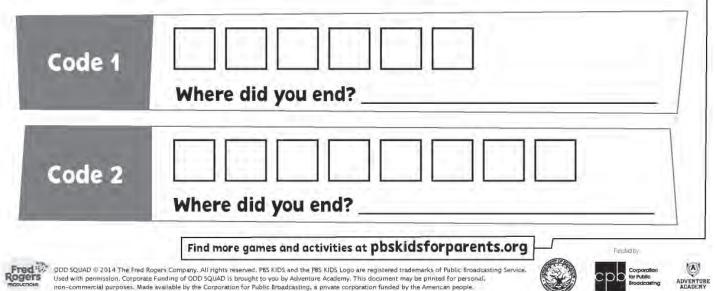
Write your own code! Mark a box on the grid as the start. Select a shape ( ● ● ▲ ● ) as the ending point. On a separate piece of paper write the name of this shape. This is the answer to Code 1.



Fill in the blank spaces below for Code 1. You don't have to fill in all the boxes, but you can. Use arrows (e.g.,  $\uparrow \downarrow \leftarrow \rightarrow$ ) and numbers to create your code. Remember, the robot must move around objects.

To create Code 2, do the same thing only choose a different shape for the ending point. Write the name of this shape on a separate piece of paper. Fill in the blank spaces below for Code 2.

Challenge a family member or friend to follow your codes and tell you where they ended. You can then reveal your answers!



Name

#### Introducing Decimals: Hundredths

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



each fracti	$\frac{1}{100} = 0.01$	$\frac{3}{100} =$	
-	<u>8</u> 100 =	$\frac{2}{100} =$	
-	<u>5</u> 100 =	$\frac{9}{100} =$	
-	$\frac{10}{100} =$	$\frac{7}{100} =$	4
	$\frac{6}{100} =$	$\frac{4}{100} =$	H

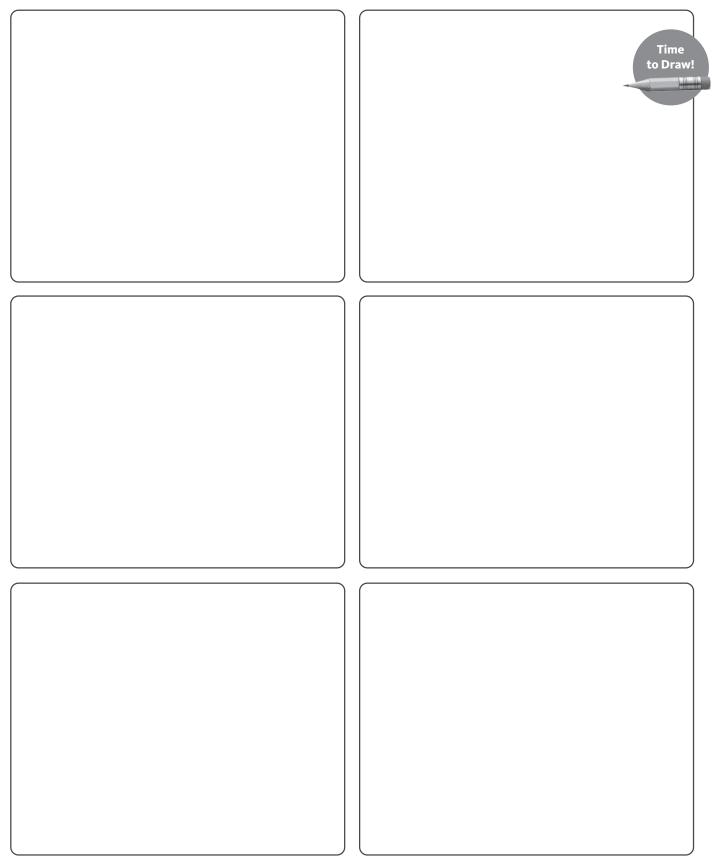
Michigan Learning Channel

Math Park Episode 308



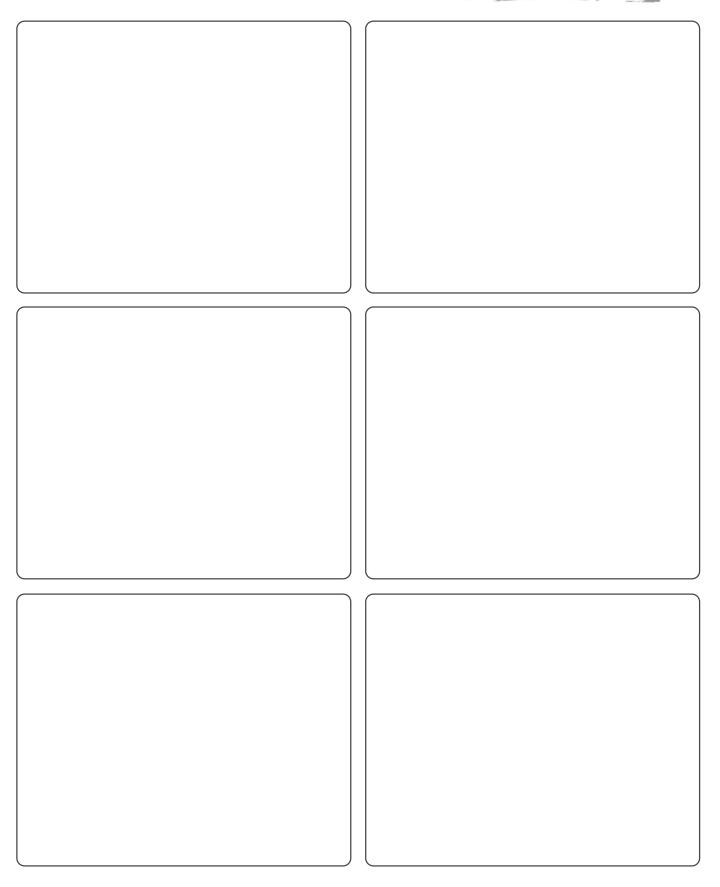
# **DRAW YOUR STORY!**

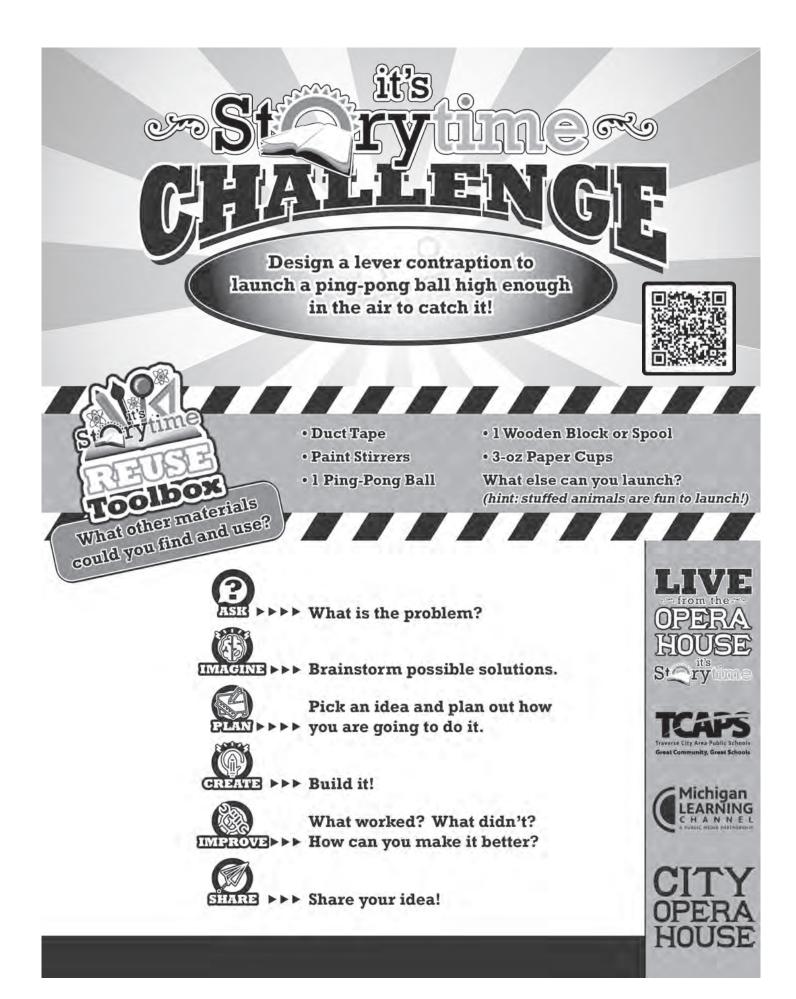
Use the story you wrote earlier in this book to draw a comic!



# DRAW YOUR STORY!







#### FUN FACT

Before there were thermometers there was an instrument called a thermoscope. Thermoscopes are devices that show changes in temperatures. Unlike a modern thermometer, thermoscopes don't have standard scales for measuring temperature.

#### THERMAL ENERGY

MATERIALS

#### - lce

- Water
- Small bowl
- Food coloring
- Modeling clay
- Bottle with small neck

DIFFICULTY

- Clear plastic drinking straw

Thermal energy is the energy contained within a system that is responsible for its temperature. Heat is the flow of thermal energy. The total kinetic energy of moving particles of matter is called thermal energy. All matter has thermal energy, even matter that feels cold. That's because the particles that make up matter are always in motion and have kinetic energy.

Thermometer

Why are thermometers so smart? \*Answer on the next page







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# 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

Call: 211 Text: Food to 304-304 Mande por texto "Comida" al 304-304

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The contents of this book were developed under a grant from the U.S. Department of Education. However, those contents do not necessarily represent the policy of the Department of Education, and you should not assume endorsement by the Federal Government. The project is funded by a Ready To Learn grant (PR/Award No. S295A200004, CFDA No. 84.295A) provided by the Department of Education to the Corporation for Public Broadcasting.