

Week 4: Engineering

July 10-16

Tinker, design, build, rebuild, and find engineering everywhere. Our featured careers this week are engineers from all kinds of specializations, auto design director, and software developer. Scan the QR code or visit MichiganLearning.org/Summer/Engineering 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.

Draw a family member's car	60 mins. of activity	Read 20 minutes	Pretend to be a robot	Watch Read, Write, ROAR!
Read 20 minutes	Watch Math Mights	Build a better birdbath	Ask a family member about their job	60 mins. of activity
60 mins. of activity	Watch Wimee's Words	HAVE FUN! (Free Space)	Build with blocks or toys	Read 20 minutes
Watch Read, Write, ROAR!	Design an invention	Watch Math Mights	Watch InPACT at Home	Watch Wimee's Words
Watch InPACT at Home	Read 20 minutes	Try a new food	60 mins. of activity	Pretend to be a racecar driver



ACTIVITY GUIDE

Episode 208: W is for Wild Weather **Book:** *What is a Hurricane?* By

Robin Johnson



Letter Heroes

Read the sentence out loud. Highlight or lightly color over the uppercase letter **W's** and lowercase letter **w's**.

Ww

What are hurricanes, and how can we stay safe?

Words to Know

hurricane - huge storms with strong, swirling winds

severe weather - dangerous weather that can hurt people and animals

evacuate - to leave a place of danger

supply kit - provides food, water, blankets, and other items you need if you have to evacuate

Label It

Label each item you can find in a supply kit. Draw a line from each word to the item it describes. You can even use these items to make your own supply kit.

water blanket radio canned food











Build a Better Birdbath





It's all in the column!

After a birdbath mishap, Ruff wonders if a different column would make it stronger. Which shape would support the most weight?

Help Ruff build a better birdbath. Using paper and books, investigate with three different birdbath models to find the strongest design.

Materials:

- Column templates
- Tape
- Books



- Print the column templates (on the following pages) and construct three different shaped columns square, triangle, and circle.
- 2) On a hard surface, stand the three columns on end. Can you predict which shape is the strongest?
- 3) Place a book on top of the first column to create a birdbath platform. Now place that same book on the second and third columns. Did any of the columns support the book?
- 4) Now try placing two or three books on the remaining columns. To keep the weight equal, stack the same books on each column. Which was the strongest? Was your prediction correct?

REMEMBER: Columns are most stable with a balanced load. Place the books evenly on top of each column.

More Ways to Play:

- Can you build a structure that holds three or more books?
- . Try using more than one column.
- · Try using different types of paper.













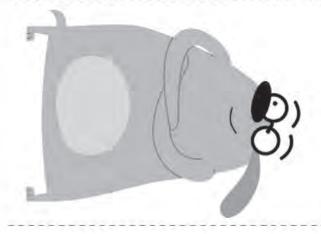
For more fun, visit pbskidsforparents.org

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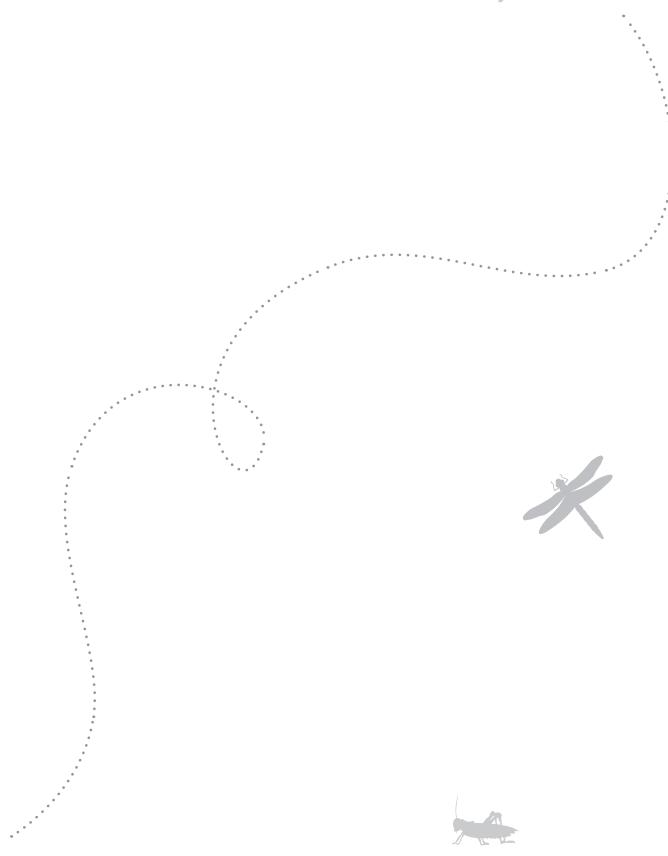
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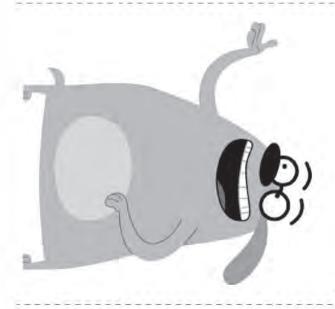
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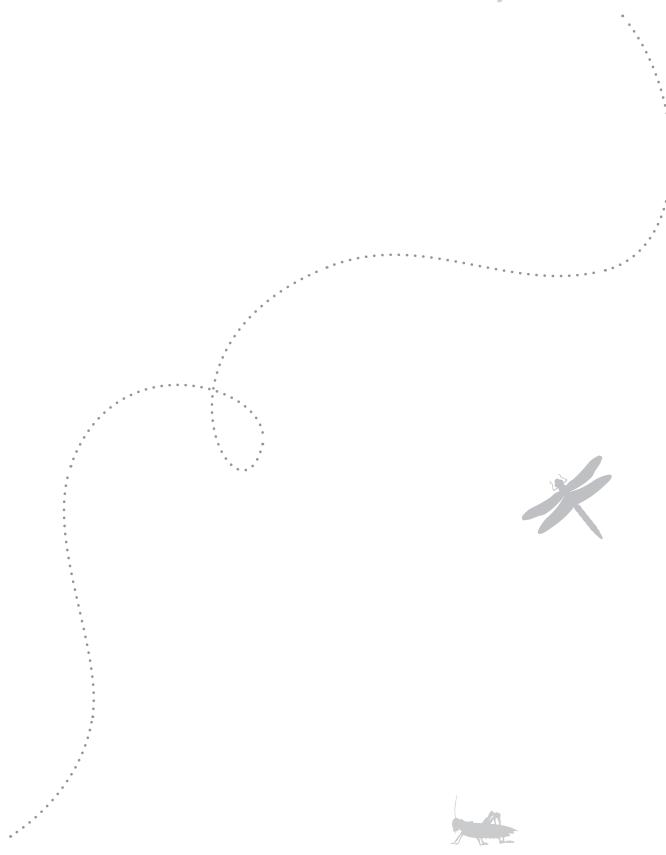




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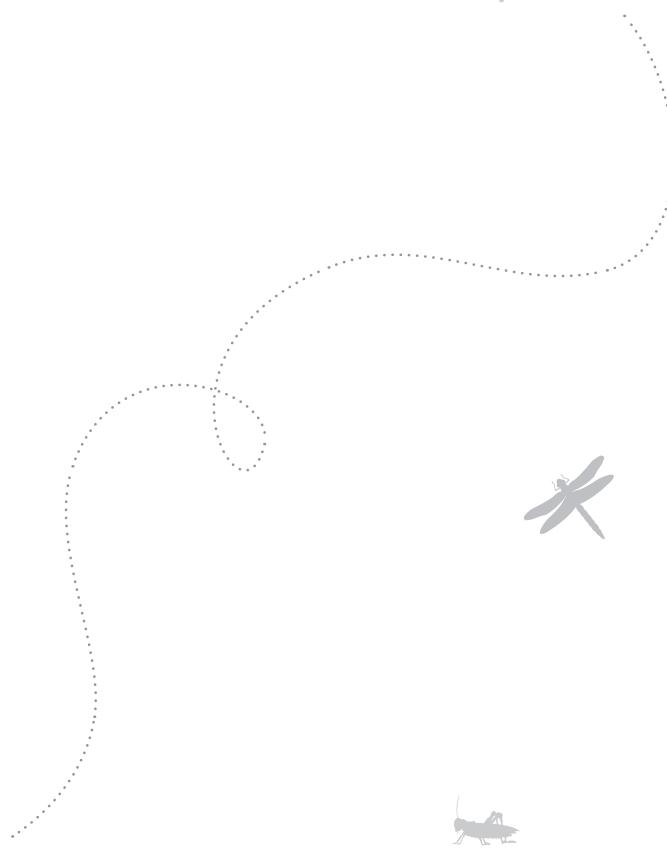




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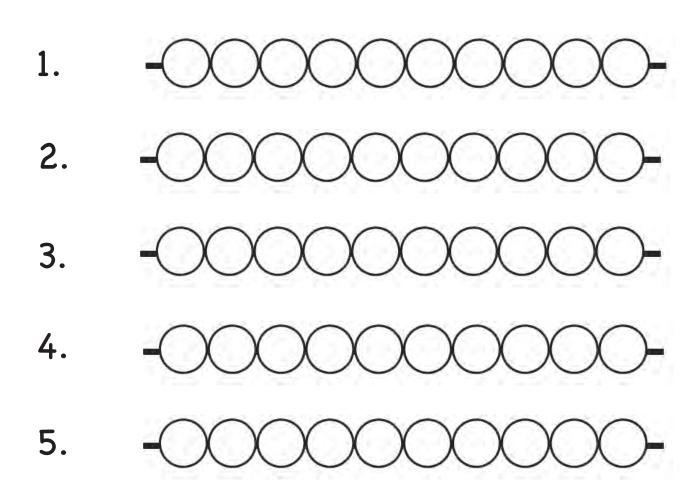


Make 10 With the Counting Buddy

Materials: dice, two different colored crayons, recording sheet for each player

Directions:

- 1. Play with a partner. Player 1 rolls the dice and colors in that number on the Counting Buddy.
- 2. Player 2 determines how many more are needed to make 10 and colors in the remaining circles with a different color.
- 3. Both partners fill in the equation on their recording sheet to show the 2 parts that make the 10.





Recording Sheet





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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