Meet the people who design bridges, cars, and video games and learn how to think like an engineer.

Use the sheet below to mark off this week's activities as you complete them. See if you can get a BINGO!

Scan the QR code or visit www.michiganlearning.org/engineering to see the playlist of videos for this week.

| Build a bridge with outdoor materials | Do 60 mins. of activity | Read for 20 minutes | Balance on one foot | Watch Read, Write, ROAR! |
| :---: | :---: | :---: | :---: | :---: |
| Read for 20 minutes | Watch Math Mights | Try the hexagon challenge | build with household materials | Do 60 mins. of activity |
| Do 60 mins. of activity | Watch Meet the Helpers | HAVE FUN! (Free Space) | Design a robot to do a job | Read for 20 minutes |
| Watch Read, Write, ROAR! | Ride a bike | Watch Math Mights | Watch InPACT at Home | Draw a family member's car |
| Watch InPACT at Home | Read for 20 minutes | Go for a walk and find animals | 60 mins. of activity | Watch ArchiTreks |

Episode 5, Christina, Andrés, and BoomBox meet a Robotics Engineer

# Spot the Difference 

## Spot the differences! Can you find and circle the 6 things that are different in the pictures?



52 | Summer Fun Activity Book | Lower Elementary | Michigan Learning Channel

## The Hexagon Challenge

Use your Odd Squad agent skills to solve The Hexagon Challenge. Print out the two pages.

1. Cut out all the shapes from the Shape Box.
2. On the next page, mix and match your shapes to make a hexagon.
3. Record how you did it by drawing the lines of each shape you used like in the example at the top.
4. Reuse your shapes again and again to make more hexagon patterns.

Try to find $\mathbf{8}$ different ways to make a hexagon.

Here's a hexagon made with 4 triangles and a rectangle.



For more printables, go to pbskidsforparents.org



This page was left blank to cut out the activity on the other side.


## The Hexagon Challenge



Example


## When you are finished with the challenge, check out some possible solutions at www.fredrogers.org/odd-squad-hexagon-solution/

For more printables, go to pbskidsforparents.org


## read, ACTIVITY GUIDE

## High Frequency Words

High frequency words are words that show up a lot when we are reading and writing.

## Or When What

## Label It

Start at the bottom of the ladder. Say the word. Follow the instructions to change each word. Write the new word in the space provided.


Change the nd to a mp

Add a $\mathbf{t}$ after the $\mathbf{s}$

Change the $\mathbf{h}$ to as
Add an n
before the $\mathbf{d}$
Had

## Words to Know

We build a word ladder by starting with a word and using what we know about letters and sounds to make a new word by changing one or two letters at a time. We start at the bottom and build up, just like when you climb up a ladder.

## Read It

Read the poem out loud. Underline the high frequency words.

The Noise by Amy Posey
Clang! Clap! Bump! What is it?
Stomp! Ding! Thump!
Is it the cat or the dog?
Yes! That is when I saw the cat jump on the lamp! What a bang!

Draw a picture to go along with the poem above.

Lyla and her family have a lot to do in the morning - and so do you! Draw or write what you do in your morning routine. You can use the list at the bottom of the page for help. Write numbers in the circles to help you remember the order you do each part of the routine.


Cut out the badges. Glue them to the circles in your checklist when you've finished each part of your routine. You can do it!


## Wash your face

Comb your hair
Brush your teeth
Get dressed
Make your bed
Eat a healthy breakfast
Say "Good morning!" to someone

Find more games and activities at pbskids.org/lyla


This page was left blank to cut out the activity on the other side.

Episode 210: Repurposing Plastic and -ough- Words
Book: Plastic Eco Activities by Louise Nelson


## Phonics Skills

Spelling Pattern o-u-g-h
When a word contains the spelling pattern o-u-g-h, those letters put together can represent seven different sounds. The chart on the right has words with four of the most common sounds.

Read the word on the left side of the chart. Listen to the ending sound. Read the word on the right side of the chart using the same ending sound from the first column for the o-u-g-h spelling pattern in the word.

| Matching <br> sounds | Words with o-u-g-h |
| :--- | :--- |
| no | although <br> dough <br> though |
| you | through |
| off | cough <br> trough |
| stuff | enough <br> rough <br> tough |

## Reuse It

The book, Plastic Eco Activities, by Louise Nelson, shows us a couple of ideas for making games out of recycled materials.


Read, Write, ROAR! ${ }^{\text {TM }}$ 2nd Grade Episode 210

A few years ago, lead was found in Flint's drinking water. Many kids got sick because they had been drinking the water for a long time. Some kids had skin issues and even changes to their brains, making it hard for them to learn. Furthermore, it's happening in Benton Harbor and many cities in Michigan right now!

Michigan needs to check its water to make sure kids are not being hurt from their drinking water. One child in one family is too many!

## Try It

Go through and underline each sentence in the text above according to the color code below:

Green = topic sentence
Yellow_= important information
(story telling parts)
Blue = details (thoughts; feelings; description sentences)

## Foundational Skills

An open syllable is a special kind of syllable. Open syllables have one WRITTEN vowel that is NOT followed by one or more consonants. Open syllables USUALLY have vowels that make their long vowel sound.

Rules for Dividing Syllables
Every syllable has one vowel or vowel team.
-Place a dot under each vowel
-Underline any vowel teams,
-Divide between two consonants

## Think About It

Look at this word. Each syllable is written in a different color. Which syllable in this word is not "closed in" by a consonant or consonants at the end?

## newspaper

The second syllable ends with the vowel Aa. It is an open syllable. Compare The Length

Directions: Put the objects in order from shortest to longest. Label the shortest object 1, label the middle object 2, and label the longest object 3 .


Directions: Compare the 3 objects below. Fill in the blanks to complete the sentence.


The $\qquad$ is taller than the $\qquad$ and


## Materials:

1. spinner (you will need a pencil and paperclip to create the spinner)
2. recording sheet
3. 2 players

## Directions:

1. Player 1 spins and splits their shape.
2. Compare the shapes.
3. If you made equal parts, name the parts using halves, thirds, or fourths on the recording sheet.
4. Player 2 repeats steps 1-3. Continue taking turns until the recording sheet is filled in.


Recording Sheet


Math Mights 2nd Grade \#311| © Strategic Intervention Solutions, LLC | mathmights.org

Equivalent Fraction Roll
Materials: 6 dice

## Directions:

1. Player 1 rolls 2 die and makes a fraction with the 2 amounts shown on the dice. If you roll any fives, they count as a wild card and can be any number you'd like.
2. Player 2 rolls 6 dice and tries to create a fraction that is equivalent to Player 1 's fraction. (remember fives are wild)
3. If you cannot, re-roll as many number dice as you'd like. You can re-roll twice.
4. If you can make equivalent fractions, record your statement and show or explain how you know the fractions are equivalent.
5. You get 1 point for each pair of equivalent fractions you write.
6. Repeat steps $1-5$ starting with Player 2 . Play 8 rounds.

[^0]
[^0]:    Math Mights 3rd Grade \#315 \| © Strategic Intervention Solutions, LLC \| mathmights.org

