

## SPECIAL THANKS TO OUR MICHIGAN LEARNING CHANNEL PARTNERSHIPS:

#### **Content Partners:**

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#### **Local PBS Stations**

WKAR - East Lansing Detroit Public Television WCMU - Mount Pleasant WDCQ - Saginaw WGVU - Grand Rapids WNIT - South Bend WNMU - Marquette

#### **Partner PBS Stations**

PBS PBS Books PBS Kids APT (Alabama Public Television) LPB (Louisiana Public Broadcasting) PBS SoCal PBSNC TPT (Twin Cities PBS) WCMU WHRO WIMAGE WNET (New York Public Media) WQED WUCF

#### WATCH on the Michigan Learning Channel or stream the channel at MichiganLearning.org



Visit MichiganLearning.org and follow @MichLearning on social media to find out more.

The Michigan Learning Channel is funded through a grant awarded by the Michigan Department of Education and the U.S. Department of Education.



#### DEAR GROWN-UPS,

Summer is full of opportunities to play and learn and we want to make it easy to find inspiring, kid-friendly activities! That's why we've worked with PBS stations and content creators from across the country to bundle up some of our favorite activities into one, easy-to-carry-any-where book. We hope you and your kids will use this to inspire learning all summer long!

Here are a few quick tips to keep your kids excited about learning this summer:

- **ASK LOTS OF QUESTIONS**. Encourage your kids to participate in conversations by asking them questions like: Why do you think that happened? What will happen next?
- **ENCOURAGE KIDS TO SEARCH FOR ANSWERS**. When your children ask you "why?" see if you can work together to figure out what they need to know or do to find the answer.
- **TRY SOMETHING NEW**. Summer is a great time to try new things like reading a new kind of book, tasting a new food or exploring a new park.
- JUST HAVE FUN. Summertime only comes along once a year, so be sure to take the time to relax and have fun while you're learning.
- BUILD LASTING. POSITIVE MEMORIES THAT WILL LAST A LIFETIME!

#### HOW TO USE THIS BOOK

- Keep in mind that this book spans multiple grade levels. Your child won't be using every single page, but choosing a few lessons each week. The goal is to keep kids' brains engaged with a taste of reading, writing, math, art, science, and physical activity every week.
- The grade levels are merely guides to get you started. We recommend starting with the grade that your child just completed and adjusting as needed. Don't be shy about using a different grade level or just picking and choosing lessons that look interesting. This has been a tough year for our children and we want your child to feel proud and confident.
- This book aligns with the content on the Michigan Learning Channel, which can be used on live tv or on demand. There are about 2-3 hours a week of video lessons, plus lots of activities in this book that don't use a screen. We recommend getting outside everyday, reading everyday and having enjoyable moments together as a family!
- This book is designed to use for 8 weeks of summer. We suggest spreading it out over a few days each week and finding a time that works for your family. If you have older children they may do better in the evenings.
- As you go through the weeks, you will find each week has a theme and a link to videos that go with the activities. You can find all the video lessons, plus interactive virtual events and more at www.michiganlearning.org/summer.

How do the students in your life use the Michigan Learning Channel? We would love your feedback! Feel free to contact us at mlc@dptv.org.

#### Michigan Learning Channel Team MichiganLearning.org

# Dates and Themes

#### The summer program runs from June 20 to August 14, 2022.

Each week has a set of lessons, plus additional programs, activities, and field trips based on the weekly theme.

#### Take Flight (June 20-26):

Michigan LEARNING

From planes and kites to butterflies and birds, discover the fables and physics of things that fly.

#### Under Water (June 27-July 3):

Dive deep into oceans, rivers, and our own Great Lakes to discover what it takes to live beneath the waves.

#### Heroes (July 4-10):

Celebrate our nation's birthday and the people we call heroes, whether they are veterans, everyday helpers, or the kind who wear capes.

#### Creatures (July 11-17):

From the prehistoric to the present, learn about the fascinating features of creatures near and far.

#### Engineering (July 18-24):

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

#### Great Outdoors (July 25-31):

Explore the world outside your door and the incredible parks and waters that belong to us all.

#### When I Grow Up (August 1-7):

All summer we'll learn about different careers—this week, think about all the exciting possibilities in your future!

#### Shoot for the Stars (August 8-14):

Look up at the night sky and into outer space and meet people who risked everything to follow their dreams.



On TV. Online. Statewide.



f y o Follow @MichLearning on social media to find out more.

Learn more about the Michigan Learning Channel at

Facebook Live at fb.me/michlearning www.michiganlearning.org/summer



# Where to Find the Michigan Learning Channel

Find your favorite shows anywhere you go!

## Scan the QR Code:

Scan any of the QR codes in this book to see the accompanying video right on your device.

#### **On Demand:**

#### Video lessons and activities at MichiganLearning.org

Click your grade level for this week's selected lessons

Or, use "Find a Lesson" to search by grade, subject, and educational standard

#### **On the App:** Find shows on the free PBS app

The PBS App is available for mobile devices, Roku, Apple TV, and on many Smart TVs.

Search for Read Write Roar, Math Mights, Extra Credit, DIY Science Time, Wimee's Words, InPACT at Home, Simple Gift Series, and more great programs.

#### On the Livestream:

Watch the 24/7 livestream at MichiganLearning.org/live-tv

#### On TV:

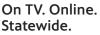
Find us on broadcast television with an antenna

#### **Coming soon to:**

Charter Cable services in Northern Michigan and the Upper Peninsula. Visit MichiganLearning.org/Schedule for details



Learn more about the Michigan Learning Channel at Facebook Live at fb.me/michlearning www.michiganlearning.org/summer



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Serving Schools Statewide Through Your Local PBS Stations

> Watch On-Demand at MichiganLearning.org

#### The Michigan Learning Channel is Available On:

WCMU Alpena Channel 6.4

Cadillac Channel 27.4

Manistee Channel 21.4





WDCQ Delta College Public Media Channel 19.5 Lauren Saj laurensaj@delta.edu (989) 686-9346



Grand Rapids Channel 35.6 Kalamazoo Channel 52.6

Rachel Cain

cainra@gvsu.edu

WGVU

WKAR WKAR Public Media Channel 23.5 Summer Godette, M.Ed, summer@wkar.org (517) 884-4700

WNMU WNMU-TV Channel 13.4 Ellen Doan WNMU Public Media edoan@nmu.edu (906) 227-6765



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WTVS Detroit Public TV Channel 56.5 Olivia Misterovich omisterovich@dptv.org



WNIT Michiana PBS Channel 34.5 Sheri Robertson srobertson@wnit.org Cass and Berrien counties

**COMING SOON** to Charter Cable in Northern and Mid-Michigan

and the Upper Peninsula

### **Rescan Your TV to watch on Broadcast**

Your remote control and TV menus may vary, but the steps are the same. Your TV will scan for all available channels.

TV sets connected to cable, satellite or other pay TV providers do not need to scan.

#### How to Scan

- **1.** Press menu on your remote control.
- 2. Select setup.
- 3. Choose antenna then channel scan or auto tune.



# WEEKDAY SUMMER SCHEDULE

ΤΙΜΕ	GRADE	WHAT'S ON
5ам		Let's Learn
бам		PBS Kids shows
6:30AM	Preschool -	Wimee's Words, Simple Gifts Series
7ам	Kindergarten	Let's Learn
8AM		Read, Write, ROAR! (Kindergarten)
8:30AM		Math Mights (Kindergarten)
9ам		Read, Write, ROAR! (1st Grade)
<b>9:30</b> AM		Math Mights (1st Grade)
10ам		Read, Write, ROAR! (2nd Grade)
10:30AM	1st - 3rd Grade	Math Mights (2nd Grade)
<b>11</b> AM	Grute	Read, Write, ROAR! (3rd Grade)
11:30AM		Math Mights (3rd Grade)
12рм		Live From the City Opera House: It's Storytime
12:30рм		PBS Kids shows
1рм		Extra Credit
1:30рм	4th - 6th Grade	Math & Movement
2рм		Story Pirates
2:30pm	Grade	DIY Science Time, SciGirls
Зрм		Curious Crew
3:30pm	1st - 3rd	Cyberchase, Into the Outdoors
4рм	Grade	Read, Write, ROAR! (2nd & 3rd Grade)
4:30pm		Math Mights (2nd & 3rd Grade)
5рм	Preschool -	Read, Write, ROAR! (Kindergarten & 1st Grade)
5:30рм	Kindergarten	Math Mights (Kindergarten & 1st Grade)
брм		Let's Learn
7рм		Extra Credit
7:30рм	4th - 6th	Math & Movement
8pm	Grade	Story Pirates
8:30pm		DIY Science Time, SciGirls
9рм 5ам	6th - 12th Grade	Nature, NOVA, American Experience, Ken Burns and other PBS programming

### Details at MichiganLearning.org/schedule

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WATCH on the Michigan Learning Channel. Episodes are available on-demand or stream the channel at MichiganLearning.org/summer Visit MichiganLearning.org and follow @MichLearning on social media to find out more. **f y o** 



Learn at Home with PBS KIDS

#### Schedule Begins October 4, 2021

Explore reading, math, science, life lessons, and more on the PBS KIDS 24/7 channel and live stream! The TV schedule below offers you and your child a chance to learn anytime alongside your friends from PBS KIDS.

TIME (M-F)	SHOW	GRADE	LEARNING GOALS	
6/5c am	The Cat in the Hat Knows a Lot About That!	PK-1	Science & Engineering	
6:30/5:30c am	Ready Jet Go!	K-2	Science & Engineering	
7/6c am	Peg + Cat	РК-К	Math	
7:30/6:30c am	Super WHY!	РК-К	Literacy	
8/7c am	Daniel Tiger's Neighborhood	РК-К	Social & Emotional Learning	
8:30/7:30c am	Daniel Tiger's Neighborhood	РК-К	Social & Emotional Learning	
9/8c am	Sesame Street	РК-К	Literacy, Math, Social & Emotional Learning	
9:30/8:30c am	Elinor Wonders Why	РК-К	Science & Engineering	
10/9c am	Clifford the Big Red Dog	РК-К	Social & Emotional Learning, Literacy	
10:30/9:30c am	Dinosaur Train	PK-K	Science	
11/10c am	Let's Go Luna!	K-2	Social Studies	
11:30/10:30c am	Curious George	РК-К	Math, Science & Engineering	
12 pm/11c am	Nature Cat	K-3	Science	
12:30 pm/11:30c am	Xavier Riddle and the Secret Museum	K-2	Social & Emotional Learning	
1/12c pm	Molly of Denali	K-2	Literacy	
1:30/12:30c pm	Hero Elementary	K-2	Science & Engineering	
2/1c pm	Cyberchase	1-5	Math & Science	
2:30/1:30c pm	Pinkalicious & Peterrific	PK-1	The Arts	
3/2c pm	Pinkalicious & Peterrific	PK-1	The Arts	
3:30/2:30c pm	Elinor Wonders Why	РК-К	Science & Engineering	
4/3c pm	Donkey Hodie	РК-К	Social & Emotional Learning	
4:30/3:30c pm	Curious George	РК-К	Math, Science & Engineering	
5/4c pm	Alma's Way	K-1	Social & Emotional Learning	
5:30/4:30c pm	Xavier Riddle and the Secret Museum	K-2	Social & Emotional Learning	
6/5c pm	Molly of Denali	K-2	Literacy	
6:30/5:30c pm	Hero Elementary	K-2	Science & Engineering	

Access FREE, at-home learning activities, tips, and more on pbskidsforparents.org

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# **LIVE Virtual Events**

As part of the Summer Program, students can participate in live virtual events via Facebook Live. Events are interactive and presenters will take student suggestions and questions in real time. Recorded versions of these events will also be available online.

Live virtual events will be hosted on the Michigan Learning Channel Facebook page.

### Wimee's Words Live!

**Recommended for ages 4-8** 

Join the loveable robot puppet Wimee and his friends as they discover more about the weekly theme. Wimee needs your help to write stories! Give Wimee your favorite words and ideas in the comments and watch as he incorporates them into stories and songs in real time. Your ideas may even be featured in future episodes of "Wimee's Words" on PBS!

Wimee's Words Live! with the Michigan Learning Channel Every Wednesday, June 21-August 9, 4pm Live on the Michigan Learning Channel Facebook page

### **Great Lakes Now Watch Party** with the Belle Isle Aquarium

#### Recommended for ages 8 and up

The monthly PBS show Great Lakes Now explores the water, people, and environmental issues that tie together the whole Great Lakes basin. Once a month, they team up with the Belle Isle Aquarium to take a deep dive into the themes of the show. Students will have the chance to ask questions of the guest scientists and meet fantastic fish and other creatures.

**Great Lakes Now Watch Party** Friday, July 1, 1pm Friday, August 5, 1pm Live on the Michigan Learning Channel Facebook page



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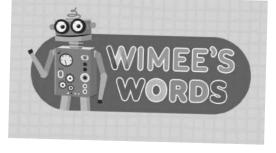


On TV. Online. Statewide.

Learn more about the Michigan Learning Channel at Facebook Live at fb.me/michlearning www.michiganlearning.org/summer



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# Learn Anywhere! On Air. Online. On Demand.

Serving students statewide through your local PBS station, the Michigan Learning Channel has everything kids need to build their brains and engage in learning key concepts to succeed in school!



## Preschool

Read, sing, and play with your little one. **Wimee's Words** Join Wimee, the fun, lovable robot that inspires kids to learn through creativity. **Simple Gift Series** Make music, find something new, and read with Betty the Bookworm. **POP Check** Mindful practice tools to Pause, Own what we are feeling, and Practice relaxing.

### Kindergarten to 3rd Grade

Keep kids learning with fun lessons taught by Michigan teachers.

#### Read, Write, Roar

Kids build literacy skills with engaging ELA lessons.

#### **Math Mights**

Build number sense and learn strategies for solving math problems.

#### InPACT

Get moving with this home-based physical activity program.

### 4th to 6th Grade

Short, engaging videos and hands-on lessons keep tweens engaged.

#### Extra Credit

Creative writing, math, fitness, career exploration, and more!

#### **Curious Crew**

Dr. Rob Stephensen and inquisitive kids take a hands-on apprach to scientific exploration.

#### **Story Pirates**

Bite-sized literary lessons with comedians, authors, and teachers.



VISIT us online to view all shows, learn about events, and download activities!

### www.michiganlearning.org

Follow @michlearning to find out more.



# Learn at Home with PBS KIDS

Play and learn anytime and anywhere with free apps from PBS KIDS! Use the chart below to find the app that aligns to your child's grade, learning goal, and favorite PBS KIDS show - then download it on your on your mobile or tablet device to play online, offline, or anytime.

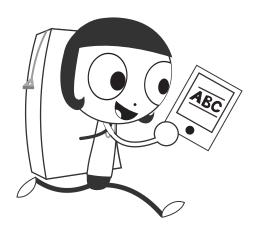
## **Apps for Social & Emotional Learning**

Daniel Tiger for Parents	PK-K	Social & Emotional Learning
PBS KIDS Games app	K-2	Multiple Learning Goals
PBS KIDS Video app	K-2	Multiple Learning Goals

### **Apps for Literacy Learning**

Dinosaur Train A to Z	PK-K	Literacy, Science
Molly of Denali	K-2	Literacy
PBS KIDS Games app	K-2	Multiple Learning Goals
PBS KIDS Video app	K-2	Multiple Learning Goals

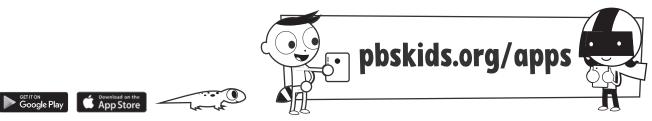




## Apps for STEM Learning (Science, Technology, Engineering & Math)

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Photo Stuff with Ruff	K-2	Science
Ready Jet Go! Space Explorer	K-2	Science
Ready Jet Go! Space Scouts	K-2	Science and Engineering
Nature Cat's Great Outdoors	K-3	Science
PBS KIDS ScratchJr	1-2	Coding
Outdoor Family Fun with Plum	1-3	Science and Engineering
Cyberchase Shape Quest	1-5	Math
PBS KIDS Games app	K-2	Multiple Learning Goals
PBS KIDS Video app	K-2	Multiple Learning Goals



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# Week 1: Take Flight

From planes and kites to butterflies and birds, discover the fables and physics of things that fly.

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

## Playlists this week: www.michiganlearning.org/takeflight

Be a pollinator with Cyberchase	<b>بڑ</b> 60 mins. of activity	Read 20 minutes	Make paper airplanes with Ready, Jet, GO!	Watch Read, Write, ROAR!
Read 20 minutes	Watch Math Mights	Look for birds	Spot a plane in the sky	<b>ب</b> 60 mins. of activity
<b>*</b> 60 mins. of activity	Try an InPACT at Home activity Card	HAVE FUN! (Free Space)	Fly a kite	Read 20 minutes
Watch Read, Write, ROAR!	Spot a helicopter in the sky	Watch Math Mights	Watch InPACT at Home	Watch Live from the Opera House
Watch InPACT at Home	Read 20 minutes	Try Amelia Earhart's word find (pg. 12)	<b>بڑ</b> 60 mins. of activity	Travel with Let's Go Luna (pg. 11)







# Where Would You Go?

If you could travel anywhere with Luna, Carmen, Andy and Leo, where would you choose to go and why?



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## **Amelia Earhart's Travelling Word Find**

F	т	Ρ	L	Α	N	Ε
U	т	N	S	N	R	Μ
N	X	K	K	Α	Α	т
D	F	L	Y		N	G
Μ	L	В	S	Z	I	М
н	Ρ	I	L	0	т	W
Ρ	A	C	K	V	N	E

FLYING **PILOT** PLANE SKY PACK **FUN** 

Find more games and activities at pbskids.org/xavier

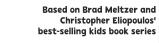


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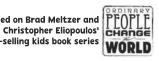
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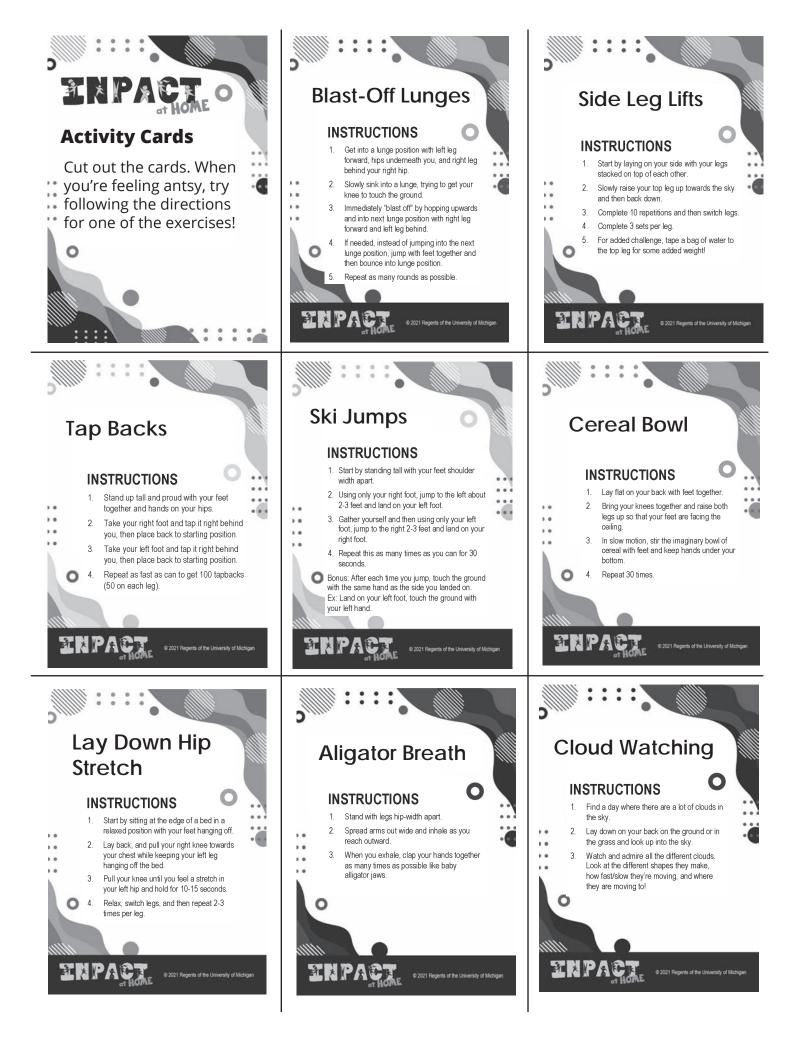


**Help Amelia find** all the words related

to her travels!



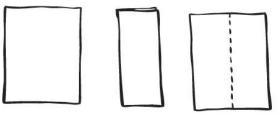
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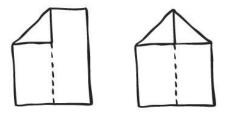




1. Fold paper in half the long way and reopen.



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



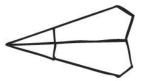
3. Refold lengthwise and rotate the paper to lay on the table like this:



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

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**EXPLORE:** Be a Bat!

Students model how bats and other pollinators help plants by spreading pollen from flower to flower.

#### Materials:

- Cups
- Pompoms or cotton balls

ereene

- Colored sugar or confetti
  Add food coloring to sugar or make confetti with a hole punch and tissue paper.
- Kid-friendly tweezers
- 60 second timer



**"FLOWERS"** 

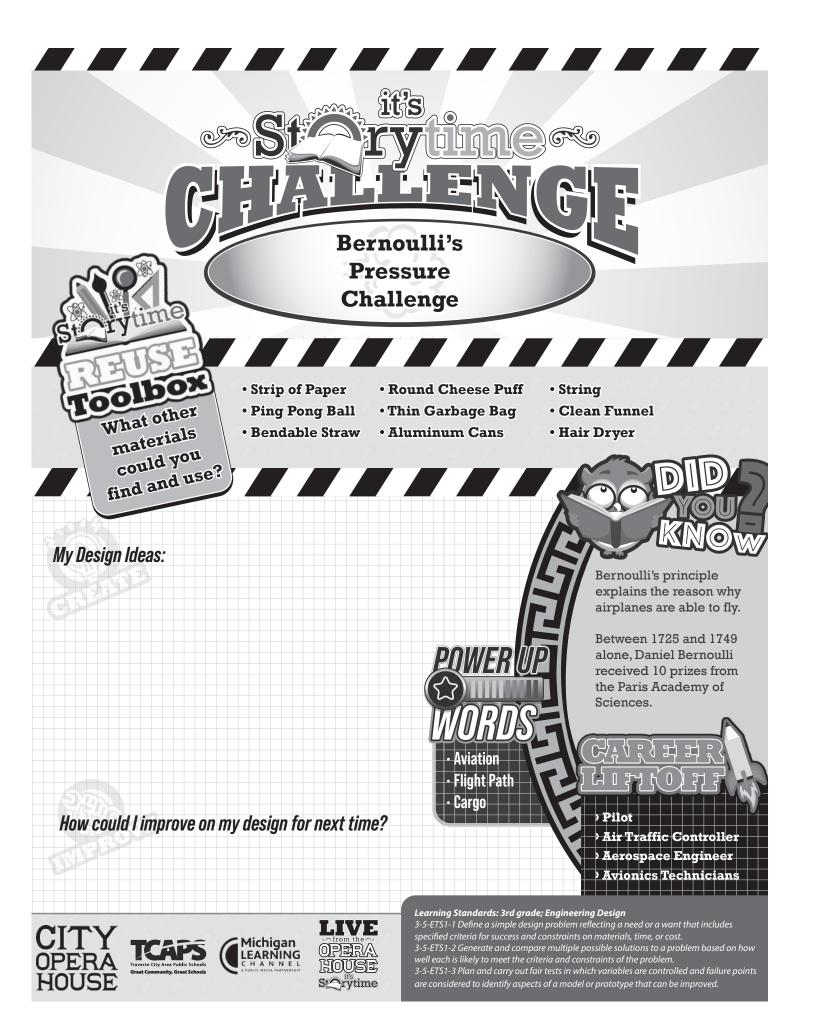
Pollinators

#### Instructions:

- 1. Coat the inside of several cups, each with a different color of sugar. These are your flowers.
- 2. Fill the cups halfway with small pompoms (nectar) that match the color of the sugar in that cup and place around the room.
- **3.** Give each student a pair of kid-friendly tweezers to be their pollinator "nose" and their own cup where they can collect pompoms.
- 4. Start a timer for 60 seconds. Students need to collect as many different colored pompoms as they can by visiting all the cups around the room. Have each "pollinator" pick up the pompoms one at a time with their tweezers, lift them out of the flowers, and drop them in their own cups.
- After 60 seconds, check the flower cups to see if any pollen (sugar) traveled from one flower to another. If the colors got mixed together, that means the flowers were pollinated.









# ACTIVITY GUIDE

**Episode 202:** Up in the sky! and A Narrative Story



# Read It

Think of ideas for a narrative story about a time when the daytime or nighttime sky was an important part of the story. Write your ideas on the lines below.

1	
2	
3	
4	
5	

## Write It

Reread the list of topics that you made above. Before choosing a topic to write about, use the questions below to help you decide which topic is the best fit for your story. Cross out the topics that don't meet your needs.

- 1. Which topics have important parts that are related to the daytime or nighttime sky?
- 2. Which topics have something to do with the sky and why it was that way during that time of year?
- 3. Which topics do I remember well enough to write a story about? Do I remember who was there, how I felt, what it looked like? Will the sky be an important part of the story?
- 4. Which story am I excited to write about that will help me think about the importance of the daytime or nighttime sky? Who will I share it with?



# ACTIVITY GUIDE

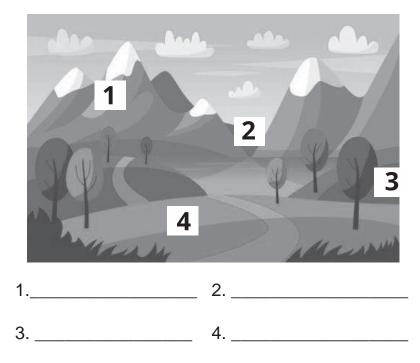
**Episode 201:** Earth's Landforms and -tch words

**Book**: *Earth's Landforms and Bodies of Water* by Natalie Hyde



# Phonics Skills

Landforms are natural features on the Earth's surface. Look at the numbers on the picture below. Write a word from the *Words to Know* box to label each number with the correct landform.



Solution What types of landforms do you have where you live?

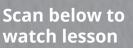
## Words to Know

- **mountain** a high raised landform that has sloping sides that form a peak.
- **hill** a high raised landform that is smaller than a mountain with a rounded top.
- **valley** an area found between raised landforms such as mountains or hills.
- **plains** large. flat areas of land usually covered in grasses.



# ACTIVITY GUIDE

**Episode 202:** More Prefixes and Saving the Trout **Book:** Underwater Adventures with Louis and Louise by Stephen Schram





## Phonics Skills

Read the passage out loud. Underline the words with the **prefix** fore- and trans-.

Did you know the Blackpoll Warbler bird weighs less than a pencil? And yet it takes a transoceanic trip every winter! Before using a GPS, scientists didn't foresee this tiny bird flying across the ocean. They were surprised! Scientists think the foremost goal of the Warbler is to migrate quickly.

## Words to Know

A **prefix** is a word part added to the beginning of a word that changes the meaning of the word.

The prefix **trans-** means "across" or "beyond".

The prefix **fore-** means "before" or "in front of".

Cook for the trans- and foreprefixes in your own reading.

## Write It

Break each word into syllables and write the word parts in the blanks provided.

word	syllables		meaning
foresee	fore see		to see before it happens
forewarn			to warn before something happens
foremost			most important
transoceanic			to go across the ocean
transfix			to make something motionless
transplant			to move something from one place to another

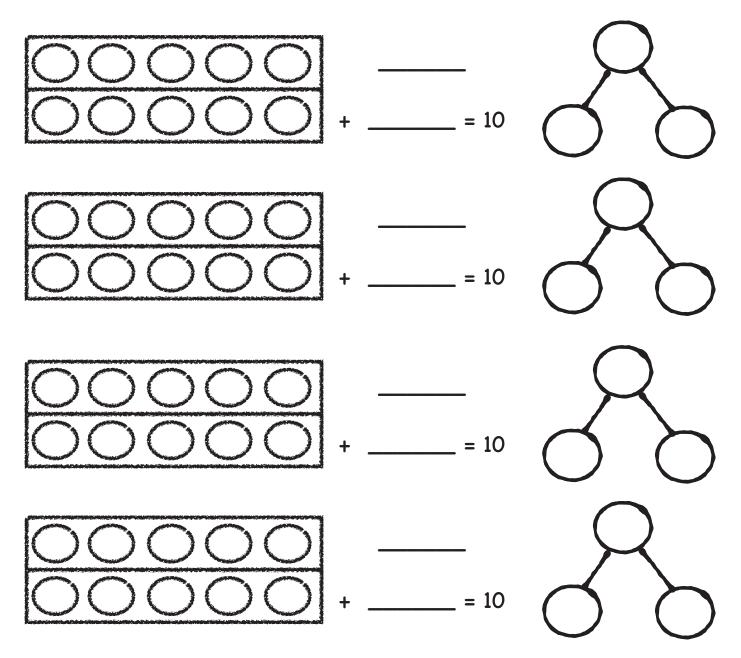




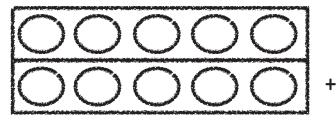


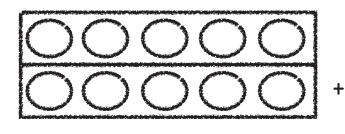
## 10 Frame Shake!

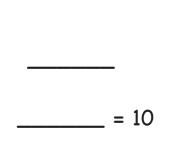
Shake a cup with 10 two-sided counters and dump it out. Count how many of each color you have and record it in the number sentence and number bond. Keep going until you have all 9 combinations for 10.





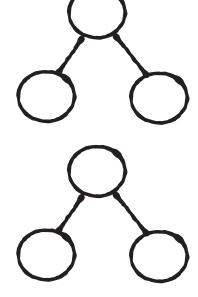


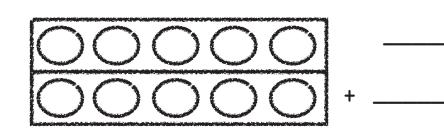


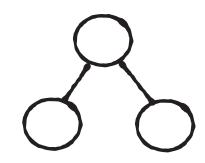


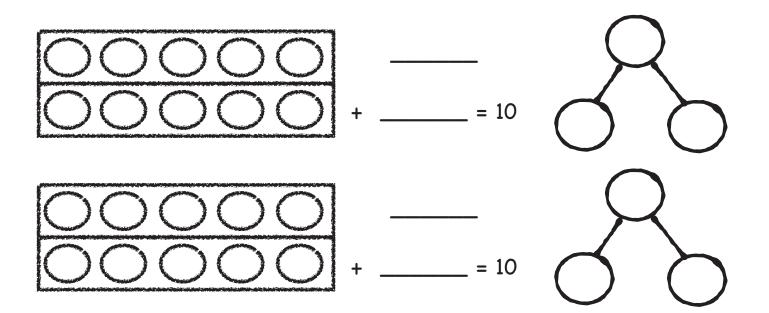
= 10

= 10













5 Way Callenge

Write the number 5 ways.

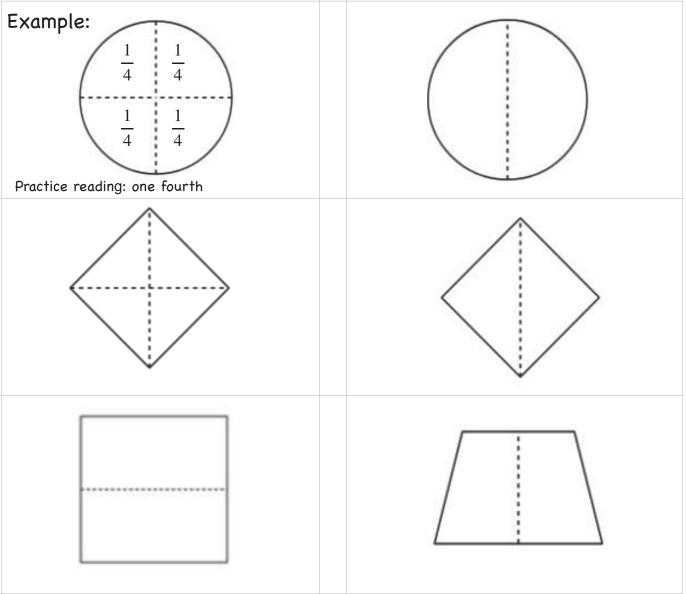
356	Only Tens and Ones
A Base Ten Diagram	Word Form
Compose a Different Way	Expanded Form





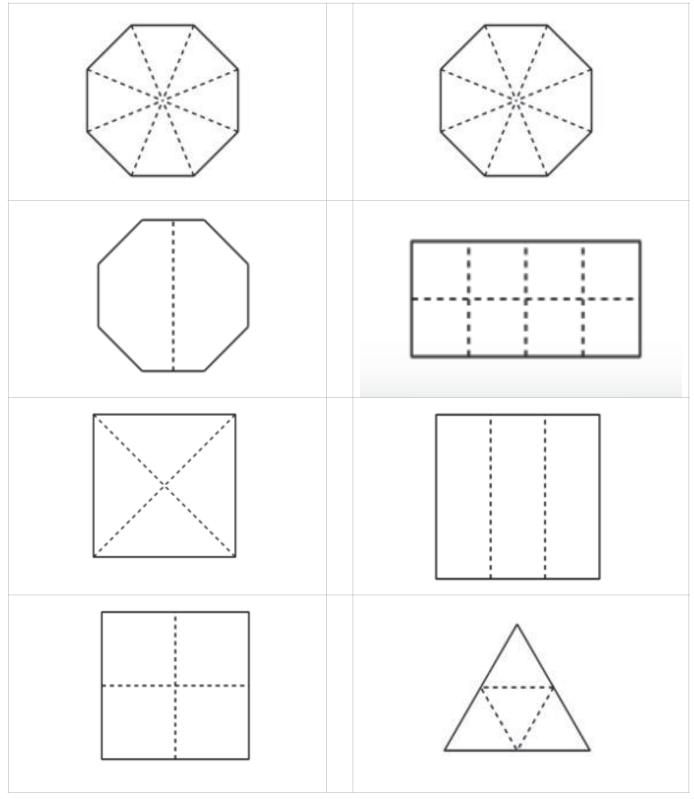
# Reading and Writing Fractions

**Directions:** Label each part of the pictures and practice reading the fraction.



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ELEMENTORY