

# SPECIAL THANKS TO OUR MICHIGAN LEARNING CHANNEL PORTNERSHIPS:

SciGirls **Content Partners:** 

> Signing Time 826Michgian

SIS4Teachers American Chemical Society

Speak It Forward Ann Arbor District Library

Square One Education Network Battle Creek Symphoy Orchestra

> Career Girls STEM Greenhouse

**Story Pirates** Chris Anderson Science Around Cincy

> Storycorps City Opera House

> > The Diatribe CODE.org

Traverse City Area Public Schools **Colorado Springs Conservatory** 

> **United States Air Force Detroit Institute of Arts**

> > **WORLD Channel Detroit Zoo**

> > > **Local PBS Stations**

**Detroit Public Television** 

WCMU - Mount Pleasant

**WGVU - Grand Rapids** 

WNIT - South Bend

WNMU - Marquette

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WKAR - East Lansing

WDCO - Saginaw

YouCubed **Grand Rapids Ballet** 

**Huron-Clinton Metroparks** 

Illustrative Mathematics

**INPACT** at Home

Kinetic Affect

LearningScienceIsFun

Library of Congress

Little Kids Rock

**Lucky Cat Productions** 

**MAISA Literacy Essentials** 

Michigan Architectural Foundation

Michigan DNR

Michigan EGLE

Michigan Humanities Council

Midland Center for the Arts

Mindful Practices

Mr. E in the D

MSU Extension

NASA

TPT (Twin Cities PBS)

**PBS** 

**PBS Books** 

**PBS Kids** 

PBS SoCal

**PBSNC** 

**WCMU** North Carolina

**WHRO** Department of Public Instruction

WIMAGE Positive Impact for Life

SchoolKit

WNET (New York Public Media)

WQED **Roadtrip Nation** 

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.



#### 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):

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.



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

On TV. Online. Statewide.





# 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



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On TV. Online. Statewide.



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



Serving Schools Statewide Through Your Local PBS Stations

**Watch On-Demand at** MichiganLearning.org

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The Michigan Learning Channel is Available On:

- WCMU Alpena Channel 6.4
- Cadillac Channel 27.4
- Manistee Channel 21.4
- Mt. Pleasant
  Channel 14.4
  Shelby Shawl
  Shelby.shawl@cmich.edu



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



WGVU Grand Rapids Channel 35.6

Kalamazoo Channel 52.6 Rachel Cain cainra@gvsu.edu



WKAR
WKAR Public Media
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Summer Godette, M.Ed,
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WNMU-TV Channel 13.4 Ellen Doan WNMU Public Media edoan@nmu.edu (906) 227-6765



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

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**

TIME	GRADE	WHAT'S ON
5AM		Let's Learn
6АМ	Preschool - Kindergarten	PBS Kids shows
6:30AM		Wimee's Words, Simple Gifts Series
<b>7</b> AM		Let's Learn
8AM		Read, Write, ROAR! (Kindergarten)
8:30AM		Math Mights (Kindergarten)
9ам		Read, Write, ROAR! (1st Grade)
9:30AM		Math Mights (1st Grade)
<b>10</b> AM	4	Read, Write, ROAR! (2nd Grade)
10:30AM	1st - 3rd Grade	Math Mights (2nd Grade)
11AM	Grade	Read, Write, ROAR! (3rd Grade)
11:30AM		Math Mights (3rd Grade)
12PM		Live From the City Opera House: It's Storytime
12:30РМ		PBS Kids shows
1 <sub>PM</sub>		Extra Credit
1:30рм	4th - 6th Grade	Math & Movement
2РМ		Story Pirates
2:30РМ	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)
5PM	Preschool -	Read, Write, ROAR! (Kindergarten & 1st Grade)
5:30рм	Kindergarten	Math Mights (Kindergarten & 1st Grade)
6РМ	<b>3</b>	Let's Learn
7РМ		Extra Credit
7:30РМ	4th - 6th	Math & Movement
8РМ	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.









# 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	PK-K	Math
7:30/6:30c am	Super WHY!	PK-K	Literacy
8/7c am	Daniel Tiger's Neighborhood	PK-K	Social & Emotional Learning
8:30/7:30c am	Daniel Tiger's Neighborhood	PK-K	Social & Emotional Learning
9/8c am	Sesame Street	PK-K	Literacy, Math, Social & Emotional Learning
9:30/8:30c am	Elinor Wonders Why	PK-K	Science & Engineering
10/9c am	Clifford the Big Red Dog	PK-K	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	PK-K	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	PK-K	Science & Engineering
4/3c pm	Donkey Hodie	PK-K	Social & Emotional Learning
4:30/3:30c pm	Curious George	PK-K	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



# **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.

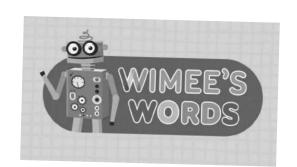
Live virtual events will be hosted on the Michigan Learning Channel Facebook page.

#### 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 Aguarium 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







On TV. Online. Statewide.

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





# 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

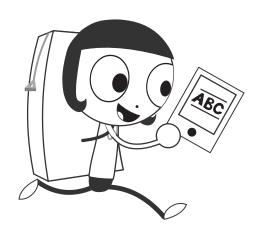
Play and learn anytime and anywhere with free apps from PBS KIDS! Use the chart below to find the app that aligns to your child's grade, learning goal, and favorite PBS KIDS show - then download it on your on your mobile or tablet device to play online, offline, or anytime.

### **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)

• •		•
PBS Parents Play & Learn	PK-K	Literacy, Math
Play & Learn Engineering	PK-K	Science and Engineering
PBS KIDS Measure Up!	PK-K	Math
Play & Learn Science	PK-K	Science
Splash and Bubbles for Parents	PK-K	Science
Splash and Bubbles Ocean Adventure	PK-K	Science
The Cat in the Hat Builds That!	PK-K	Science and Engineering
The Cat in the Hat Invents	PK-K	Science and Engineering
Jet's Bot Builder: Robot Games	K-2	Science and Engineering

orogy, Engineering & math			
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	



pbskids.org/apps









# **Week 5: Engineering**



**July 18-24** 

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!

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

Spot a bridge outside	60 mins. of activity	Read 20 minutes	Draw with Scribbles and Ink	Watch Read, Write, ROAR!
Read 20 minutes	Watch Math Mights	Build a birdbath with Ruff Ruffman	Watch Wimee's Words	60 mins. of activity
60 mins. of activity	Watch Wimee's Words	HAVE FUN! (Free Space)	Pretend to be a robot	Read 20 minutes
Watch Read, Write, ROAR!	Pretend to be a racecar driver	Watch Math Mights	Watch InPACT at Home	Draw a family member's car
Watch InPACT at Home	Read 20 minutes	See how high you can count!	60 mins. of activity	Try a new 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?

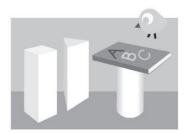
REMEMBER: Columns are most stable with a balanced load. Place the books evenly on top of each column.

#### 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.









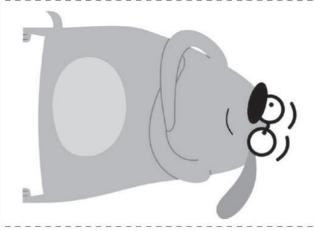




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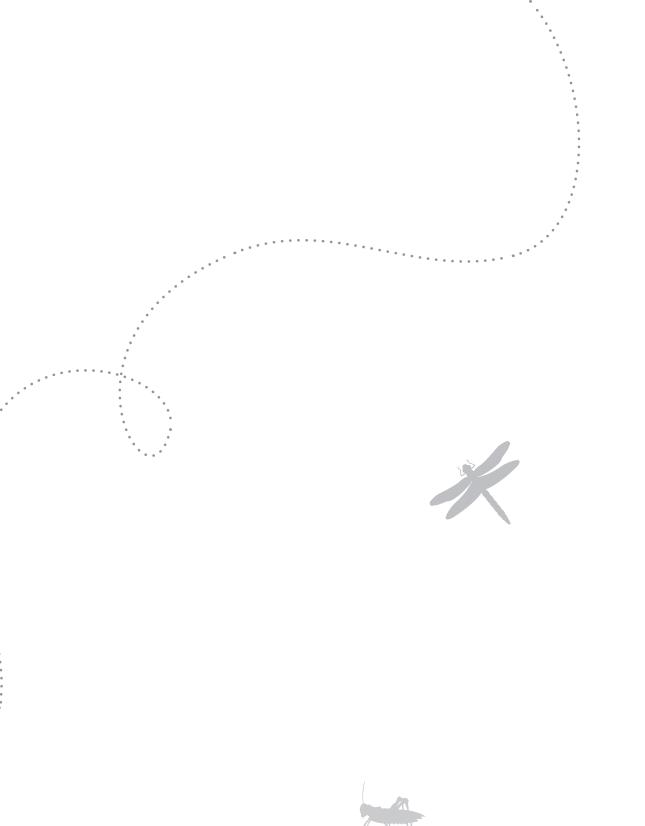
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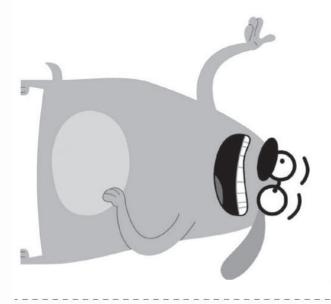
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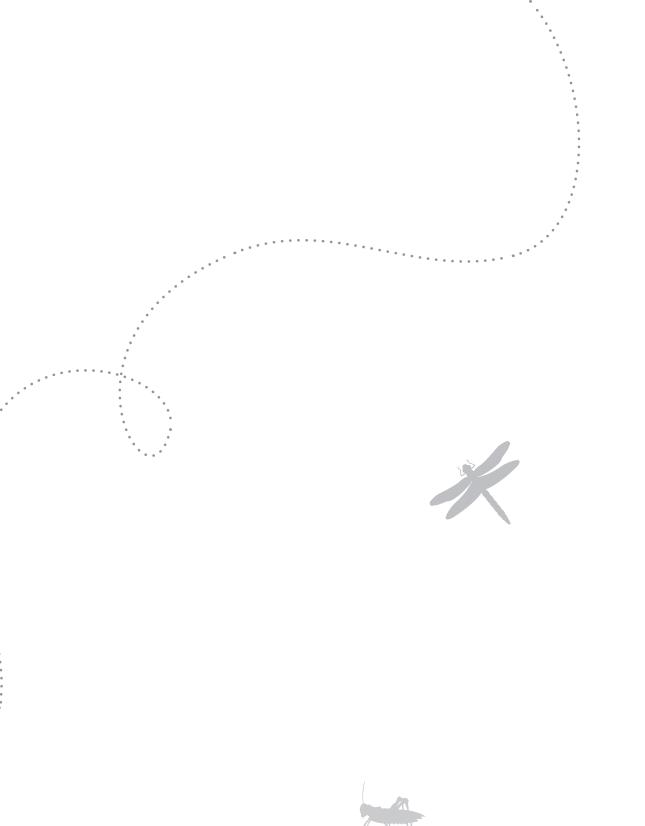


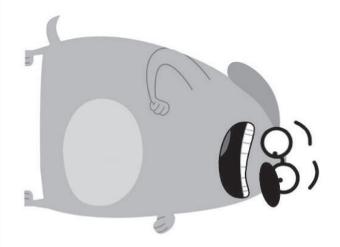


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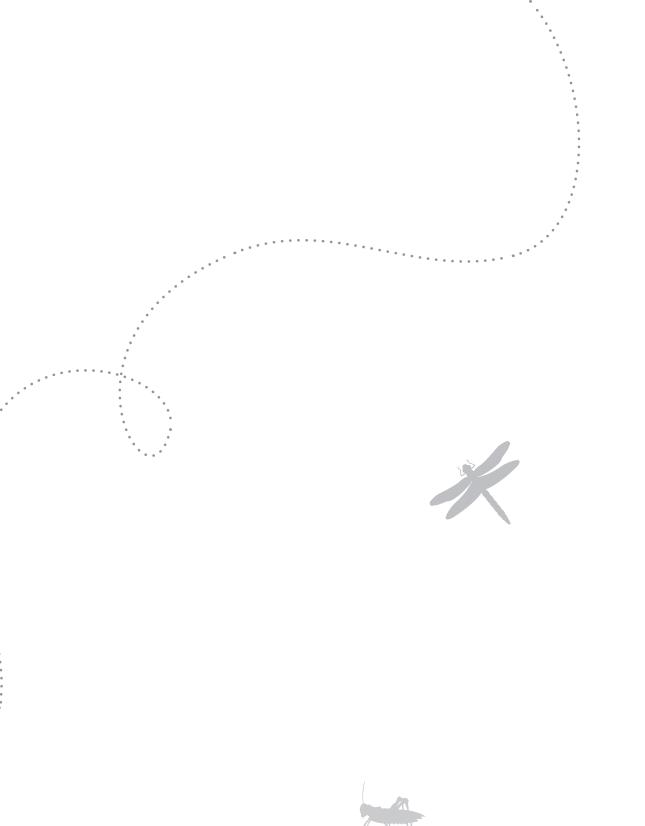








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# THE SCRIBBLE GAME















pbskids.org

WCEH



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# **ACTIVITY GUIDE**

Episode 210: Tornadoes and the

Letter I

**Book:** What is a Tornado? By Robin

Johnson



### Letter Heroes

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

Ii

A tornado is a huge, spinning tower.

What types of severe storms does Michigan have?

High Frequency Words

# what do

Underline the high frequency words **what** and **do** in the question below.

What can we do to stay safe during a tornado?

### Think About It

Circle the pictures below that are needed to stay safe during a tornado.





















# Build a Tower

Materials: connecting cubes

**Directions:** 

- 1. Player 1 rolls a connecting cube onto the number mat and adds that number of cubes to their tower.
- 2. Player 2 repeats step 1.
- 3. The first player to make a tower of 20 wins.
- 4. If a student makes a tower with more than 20 cubes, they use the extra cubes to begin a new tower.

#### Number Mat

8	5	2
6	4	1
7	9	3

# SPECIAL THANKS TO OUR MICHIGAN LEARNING CHANNEL FUNDERS:













The State of Michigan

Elaine and Leo Stern Foundation

The Donald and Mary Kosch Foundation



# 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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