



Dates and Themes

The summer program runs from June 19 to August 13, 2023

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

Animals (June 19-25)

Explore the animal kingdom for ferocious fun!

Across America (June 26 - July 2)

From coast to coast, explore what it means to be American

Sports and Games (July 3-9)

Get serious about fun pastimes, from soccer to Sodoku.

Engineering (July 10-16)

Tinker, design, build, rebuild, and find engineering everywhere.

Our Stories (July 17-23)

From legends to our everyday lives, stories shape who we are.

Great Lakes (July 24-30)

Dive in and explore the lakes that make Michigan special.

Around the World (July 31 - August 6)

Experience food, art, music, and cultures from around the globe.

Space (August 7-13)

Meet astronauts and virtually visit the planets and stars.



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

On TV. Online. Statewide.



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







Character Traits

| considerate generous helpful thoughtful Other words for "funny" amusing comical hilarious silly | exuberant lively spirited vivacious | affable amiable gregarious welcoming Other words for "unfriendly" antisocial disagreeable hostile rude |
|--|---|---|
| considerate generous helpful thoughtful Other words for "funny" amusing comical hilarious | exuberant lively spirited vivacious Other words for "wise" knowledgable perceptive prudent | affable amiable gregarious welcoming Other words for "unfriendly" antisocial disagreeable hostile |
| considerate generous helpful thoughtful Other words for "funny" amusing comical | exuberant lively spirited vivacious Other words for "wise" knowledgable perceptive | affable amiable gregarious welcoming Other words for "unfriendly" antisocial disagreeable |
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| considerate generous helpful | exuberant lively spirited | affable amiable gregarious |
| considerate generous helpful | exuberant lively spirited | affable amiable gregarious |
| considerate generous | exuberant lively | affable amiable |
| considerate | exuberant | affable |
| | | _ |
| Other words for "kind" | Other words for "energetic" | Other words for "friendly" |
| | | |
| | | |
| | | |
| DOING because of that trait | | |
| SHOW the character trait to | the reader! Write about what the ch | naracter is |
| | | |
| | | uggestions below! |

working"

industrious persevering

diligent

lackadaisical lethargic

passive

weary





Career Comics 1 Career Video: _____

Scan the QR code to visit the Career Girls website and find a career video that interests you. Then ask yourself: What is this job like? Create a comic starring you in this career. At the top, fill in the career and sign your name. Use words and pictures to tell what happens on the job!

| I Want to Be and, you might like to be (career) | How do you get ready for this career? You can start by and |
|--|---|
| You'll need some skills, too. Like these: 1. 2. 3. | What else can you do to prepare? |





Make a Bird Feeder

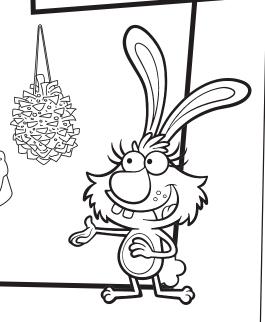


What You Need:

What to Do:

- **1. Select a bird feeder base:** Pinecones are a popular foundation for a bird feeder, but you may also use an empty paper towel roll or a stale piece of bread.
- **2. String it up:** Run a wire, dental floss or cotton string through your bird feeder. Secure the two ends together to make a loop.
- **3. Make it sticky:** Coat the base with peanut butter. If you know someone who has peanut allergies, use honey instead.
- **4. Add some goodies:** Roll the feeder in raisins, cranberries, unsalted and unbuttered popcorn, sunflower seeds, shelled plain peanuts or mixed birdseed.
- **5. Hang it up:** Place your bird feeder on a hook or on a tree branch outside your window. Discover which birds are popular in your neighborhood, research what they like to eat, and make a bird feeder for them.
- **6. Keep a wildlife journal:** Record what kind of birds and other animals come to visit your feeder!

- Pinecone, paper towel holder or piece of bread
- Peanut butter or honey
- Your choice of the following: Raisins Cranberries Plain popped popcorn Sunflower seeds Shelled plain peanuts Mixed birdseed
- Safety scissors
- Wire, dental floss or cotton string



Find more games and activities at pbskids.org/naturecat

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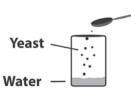
"Science is wherever YOU are!"

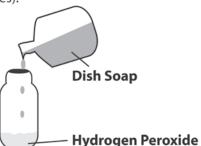


Elephant Toothpaste

EXPERIMENT

- Step 1: Gather materials.
- **Step 2:** Place 2 tablespoons of yeast into 3 oz of warm water.
- **Step 3:** Mix yeast and warm water, let stand until it gets frothy (about 3 minutes).
- Step 4: Pour 4 ounces of hydrogen peroxide into an empty bottle.
- **Step 5:** Squirt 1 tablespoon of dish soap into the hydrogen peroxide.
- **Step 6:** Pour your yeast mixture into the bottle.
- **Step 7:** Observe what happens!





*Joke Answer -They always have the solutions!

"Elephant toothpaste" is created when a chemical reaction takes place and releases one oxygen atom from the hydrogen peroxide (H^2O^2). Hydrogen peroxide decomposes, or breaks down, into water (H^2O) and oxygen (O^2) naturally over time, but the yeast causes this to occur faster. The yeast has an enzyme in it called catalase. Catalase is a catalyst, something that increases the speed of the reaction. The catalyst is what causes the oxygen to be released quickly to create our "elephant toothpaste." So why did we add soap? We wanted to capture all of the released oxygen (gas) from the chemical reaction!

EXTEND YOUR LEARNING

- Would the experiment still work if you added more yeast?
- What happens if you don't add the soap?
- Does the shape or the size of the bottle change how the elephant toothpaste flows?

UKKFORCE CONNECTION

Cosmetologists, people who study the application of beauty treatments, work carefully with chemical reactions on a daily basis to help color people's hair. When someone's hair is bleached, a chemical reaction takes place to change the melanin from brown to a colorless (pale yellow) color. This irreversible process (chemical change) then allows the cosmetologist to apply a new color to the hair.



Build a boat that can float for 3 minutes.





- Cardboard
- Paint Stirrers
- Paper/Newspapers
- Drinking Straws
- Tree Bark
- Tennis Balls
- Styrofoam
- Balloons
- Plastic Shopping Bags
- Popsicle Sticks
- Rubber Bands
- Tape/String/Glue
- Ruler
- ·Wax Paper/Aluminum Foil

What other materials could you find and use?



▶▶▶ What is the problem?



MAGINE ▶▶▶ Brainstorm possible solutions.



Pick an idea and plan out how ▶▶▶ you are going to do it.



B ▶▶▶ Build it!



What worked? What didn't?

■ WE ► ► How can you make it better?



SHARE ▶▶▶ Share your idea!











Keep Students Engaged in Learning Over the Summer

with the Michigan Learning Channel Summer Program



- 8 Weeks of Learning with fun weekly themes
- Video lessons aligned to each grade level including ELA, math, science, social studies, fitness, social emotional learning, art, career exploration, and more
- Fun Activity Book with grade level aligned educational materials featuring MLC programs and PBS Kids characters
- Virtual field trips to popular Michigan destinations

PRE-ORDER Activity Books for Your Community Today!

Academic Content

Find on-demand video lessons and accompanying activities

"Ready for Kindergarten" (PreK-K)

- Explore the weekly theme with a PBS Kids show
 - Weekly ELA & Math lessons for Kindergarten

Elementary (Grades 1-3)

- 2 weekly ELA & Math lessons with activity sheets
- Art, science, fitness, and SEL enrichment videos & activities

Tweens (Grades 4-8)

- Story Pirates writing challenges, hands-on science
 - Weekly theme programs hosted by teens
- Optional summer math add-on for 4th 8th grade plus Algebra 1





Contact Us to plan ways for our engagement team to support your in-person or virtual summer programming!

VISIT michiganlearning.org/contact-us



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