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

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/creatures to see the playlist of videos for this week.



+ – × ÷ Watch Math Park	60 mins. of activity	Read for 20 minutes	Catch a firefly	Make pendulum art
Read for 20 minutes	Watch Story Pirates	Watch Extra Credit	Watch DIY Science Time	60 mins. of activity
60 mins. of activity	Look for creatures outside	HAVE FUN! (Free Space)	Watch InPACT at Home	Read for 20 minutes
Watch DIY Science Time	Watch Extra Credit	+- ×÷ Watch Math Park	Watch Story Pirates	Play Trail- Tac-Toe
Go fishing	Read for 20 minutes	Make elephant toothpaste	60 mins. of activity	Draw a made-up creature

TRAIL-TAC-TOE

CAN YOU GET THREE IN A ROW?

When you visit a park or take a walk in your neighborhood, draw or write in the items below and tell where you saw them.

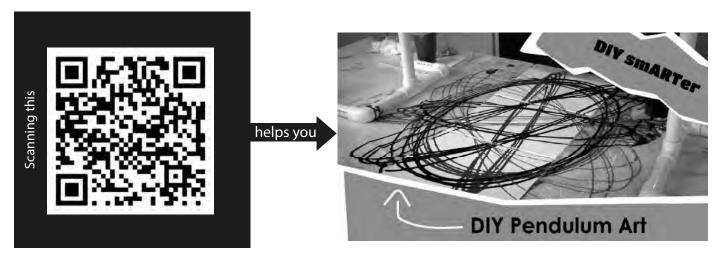
What? Where?	What? Where?	What? Where?	
Something that could be eaten by an animal	A native prairie grass	An invasive species	
What? Where?	What? Where?	What? Where?	
Something in nature that is bright red	Somewhere or something that helps keep water clean	An insect home	
What? Where?	What? Where?	What? Where?	
Something in nature older than you.	A yellow flower	A sign that an animal was here	

METROPARKS.COM

Pendulum Art



1. Scan the QR code on this sheet to watch the video and follow along with MIster C.



2. You'll need:

- a. This printout
- b. String
- c. Squeeze bottle or plastic cup for your bob
- d. Scissors
- e. Rubber bands and paperclips
- f. Paint
- g. Paper or canvas for painting

Discussion Questions:

What might happen if you use a longer or shorter string? How does the period of the pendulum impact your art?

What might happen if you give the condiment bottle a harder or softer push?

Does the type of paint impact the flow or pattern?

Fun Fact:

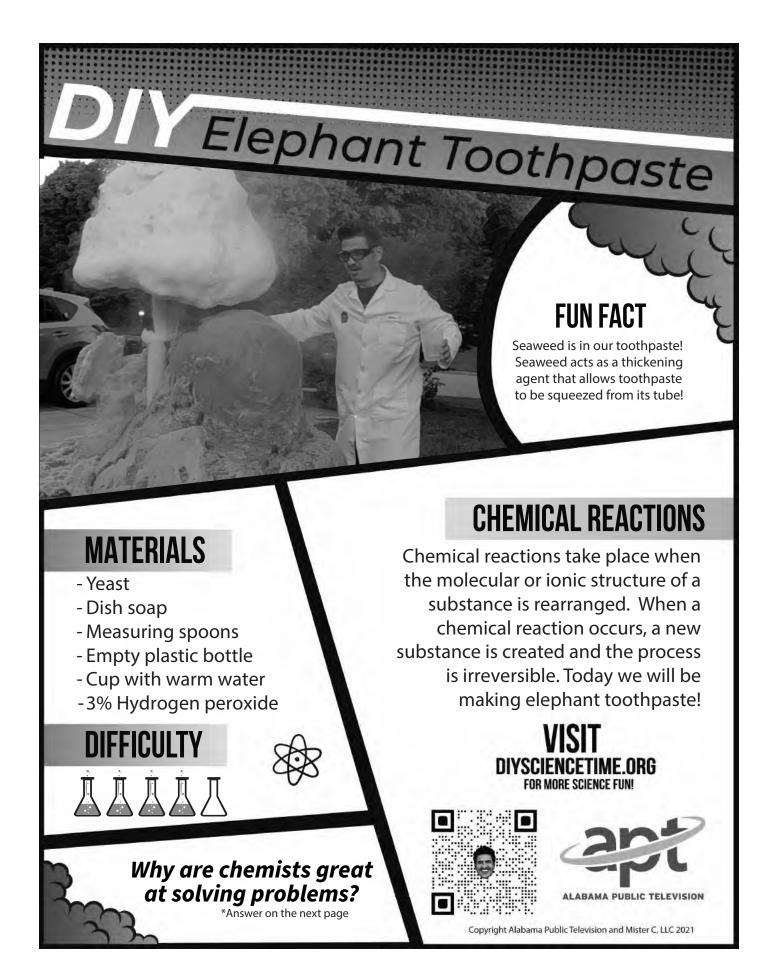
Pendulum clocks lose time when it is hot because the heat causes the metal to expand lengthening the rod. This causes the period to increase affecting the ability to keep time.

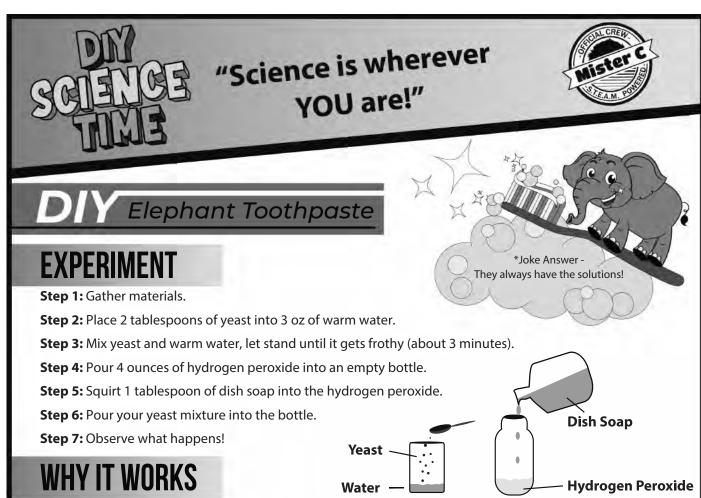


DESCRIBE YOUR HERO



What are some words to describe your hero?			
What is your hero really GOOD at, or what is your hero's TALENT ?			
What is your hero's WEAKNESS , or what is your hero AFRAID of?			
What does your hero like to do on a NORMAL DAY , when they don't have a big problem to solve?			





"Elephant toothpaste" is created when a chemical reaction takes place and releases one oxygen atom from the hydrogen peroxide (H²O²). Hydrogen peroxide decomposes, or breaks down, into water (H²O) and oxygen (O²) 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?

WORKFORCE 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.

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Creatures

- Various Boxes
- Foam Blocks, Cubes & Balls
- Form Board
- Fun Fabrics
- Masking Tape

- Small Bag of Bird Seeds
- Pipe Cleaners
- Wiggly Eyes

My Design Ideas:

How could I improve on my design for next time?









Animals are truly amazing.
Did you know that to
hover, hummingbirds may
beat their wings up to 200
times per second? Or that
a jaguar can see in the
dark six times better than
a human?

- \cdot Adaptation
- · Coexis
 - Ecosystem

> Zoologist

- Wildlife Biologist
- Marine Rescue Office:
- Technician

Learning Standards: 2nd Grade

2-LS2-2 Develop a simple model that mimics the function of an animal in dispersing seeds or pollinating plants.

Equivalent Fractions Directions: Scan the QR code to watch the video, and then circle the symbol that goes between them.

Michigan Learning Channel

Math Park Episode 305