



Daily DE

ELEMENTARY SCHOOL GRADES K-2



Week 5: Grades K-2

MAKE IT MONDAY

You are on Plastic Patrol this week!

TUNDRA TUESDAY

How tall is a polar bear?

WHELMERS' WEDNESDAY

Get hands-on as you engage in the scientific thinking process.

TOUCHDOWN THURSDAY

Track your exercise this week!

FREAKY FRIDAY

Explore Buggy Bodies!



WEEKEND CHALLENGE!

Moon Observations

Learn about Phases of the Moon

[Unleash Your Inner Scientist](#)



Make It Monday

Plastic Patrol

First

Did you know that every year...

- Americans buy 50 **billion** plastic water bottles?
- People around the world use 500 **billion** disposable cups?
- Americans throw away 100 **billion** plastic bags?

Plastic bags, throw-away cups, and plastic bottles are all called “**single-use**” plastic because most of the time they are only used once!



Plastic Patrol

Next

A good way to help the environment is to use less plastic. Think about some ways that YOU can use less plastic. If you don't recycle where you live, set up a bag or bin to start collecting **single use** plastics.

During the week, check on what people in your house are putting in the recycle bin. Think about what things you could create using the plastic in the recycle bin.



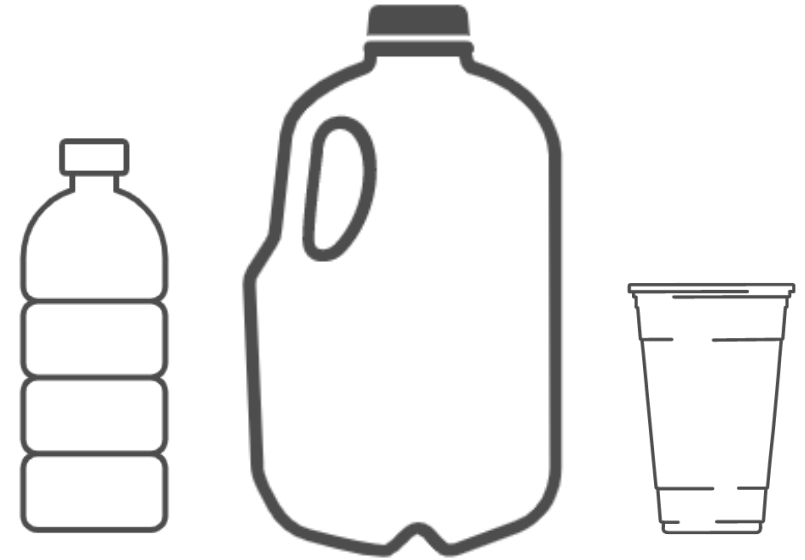
Activity adapted from STEM Careers Coalition

Plastic Patrol

Then

At the end of the week, take out the plastic in the recycle bin. (You might need to wash out bottles.)

What can you make with the recycled materials?
A birdfeeder out made out of plastic bottles? Planters made out of plastic cups? Sketch out your design and create!



Activity adapted from STEM Careers Coalition



Tundra Tuesday

How tall is a polar bear?

First

Who do you think is taller – you or a polar bear? That's what we are going to explore this week.

Watch the linked video to find out how tall a polar bear is when it's standing on all four legs and when it's standing on its hind legs.



Play the video at: [Tundra Connections](#)

How tall is a polar bear?

Next

Wow! Polar bears can be 5 feet tall when standing on their four legs. And, they can be 10 feet tall when standing on their hind legs!

Now we are going to find out how tall you are compared to a polar bear standing on its hind legs.



How tall is a polar bear?

Then

Find a large space on the floor. Have an adult help you with a tape measure. Measure out 10 feet and mark the start and end of the measurements with something, like a piece of paper and tape. (Note: If you don't have a measuring tape, have an adult take ten steps to measure.)

Lay down on the floor with your feet near the start of the measurement. Have someone measure and mark how tall you are.



**Who is taller –
you or a polar bear?**

**Can you figure out how many
of you would equal the height
of a polar bear?**



Whelmers' Wednesday

Balloon Electroscope

First, visit the link in the orange box and find the Whelmers activity.

Next, have a family member or adult read the experiment and help you gather materials.

Then, watch the balloons!

[3M Young Scientist Lab Whelmers](#)

Check out [3M Science at Home](#) for more virtual experiments!



BALLOON ELECTROSCOPE

Use balloons to make an electroscope and witness the effect of static charges before your very eyes!



Touchdown Thursday

A is for Agility

Let's get moving...quickly!

First

Watch the AHA NFL Play 60
Agility video and get ready
to move!

How did it go? Were you
able to keep up with Ryan?



Play the video at:

<https://tinyurl.com/ahanflplay60>

A is for Agility

Let's get moving...quickly!



Next

This week we are going to make a chart and keep track of our agility exercises.

Create a chart like the one below that has names of exercises, days of the week, and times.

Then

Each day, have someone in your house time how long you can do the agility exercises. Try to increase your exercise time each day.

Good luck!

	Day 1	Day 2	Day 3	Day 4	Day 5
	10 seconds	20 seconds	30 seconds	45 seconds	60 seconds
high kicks					
kick steps					
heel grabs					
run in place					
jump up, touch your head					



Freaky Friday

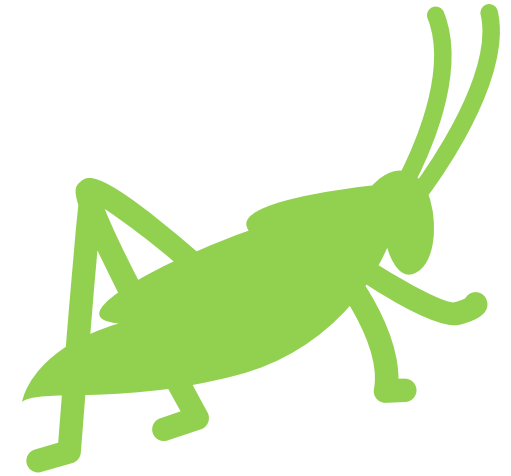
Buggy Bodies!

Become an insect detective

First

This week you are going to be a bug detective!

You are going to closely look at pictures and try to find out which bugs are considered insects, and which are not.



Insects belong to a group of animals called arthropods. These are animals all have a segmented body, a hard exoskeleton, and six legs. Insects also have a pair of antennae and usually wings. Insects can have compound eyes, which are fairly large but located on the sides of the head.

Buggy Bodies!

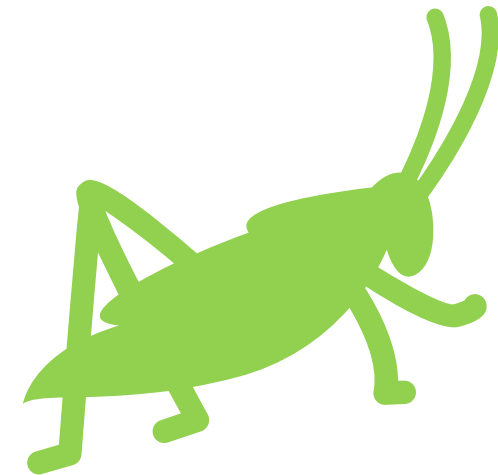
Become an insect detective

Next

There are pictures on the next few pages. Three of the pictures are of insects. Can you tell which pictures are insects using clues from what you just read?

Good luck!

(click on the linked content to learn the answers and more about insects)



Freaky Friday

Buggy Bodies!



Freaky Friday

Buggy Bodies!



Freaky Friday

Buggy Bodies!



References

MAKE IT MONDAY

<https://stemcareerscoalition.org/>

<https://tinyurl.com/plasticpatrol>

TUNDRA TUESDAY

<https://www.discoveryeducation.com/learn/>

[tundra-connections/](https://www.discoveryeducation.com/learn/tundra-connections/)

<https://tinyurl.com/tundra4>

WHELMERS' WEDNESDAY

<https://www.youngscientistlab.com/>

<https://tinyurl.com/whelmers4>

TOUCHDOWN THURSDAY

<http://www.nfl.com/play60>

<https://aha-nflplay60.discoveryeducation.com/>

FREAKY FRIDAY

<https://www.siemensstemday.com/>

WEEKEND CHALLENGE

<https://girlsleadstem.com/>

<https://tinyurl.com/stemmoon>