

Mr. STEMurray Presents....

At Home Learning Earth-Day STEAM BINGO BOARD

When learning is distant or you
want an extra challenge...and
you're looking for some fun Earth
day activities.



Earth Day STEAM Activities

E	A	R	T	H
Build a birdfeeder and observe what different birds go there. Make a graph of the results. Come up for a reason why one bird shows up the most.	Find an ant and follow it around for a bit. Make notes on what it does and where it goes. Write a story from the perspective of the ant.	Simulate an oil spill by placing a spoonful of cooking oil into a cup of water. Design a solution for cleaning it up!	Collect moss outside and mix it with 2 cups water, 2 cups yogurt in a blender. Paint with it outside. Once its dry water it once a day for your very own growing art.	Take a toy outside and create a hiding spot for it so that it blends in with its surroundings. Make a friend look for it and see how long it takes them to find it.
Create a device that will trap bugs but will not harm them. Place it outside and observe what different bugs you catch. Explain why you caught the types of bugs you did.	Using materials that you would find in nature. Create a structure that is 15 inches tall and could survive a wind storm.	Design a solution that would prevent an animal from eating a plant.	Find some leaves. Color them with washable markers. Lightly cover the leaves with water and then press them into a sheet of paper to create leaf stamps.	Make a chart of everything your family throws away in a day. Multiply that by 365 to estimate how much trash you make in a year. Figure out what you can REDUCE using.
Using things only found in nature. Create a device that can move something 10 feet away and drop the object into a container.	Research what it means to be "Carbon Neutral" design a city or a house that would be carbon neutral. Explain what are the benefits of this kind of design.	Create a device that will spread flower seeds around an area of 10 feet.	Design a poster or public service announcement to explain to people the importance of recycling. .	Using materials that you find outside. Create a musical instrument that can play different notes. Play a song on it and see if someone can figure out what you're playing.
Find a fruit or vegetable that you eat that has seeds. Take the seeds and place them into a cup of dirt with water. See if you can get it to grow.	With permission, take apart an old toy or electronic device. Use the parts to create a sculpture on why it's important to recycle.	Create a device that can sort recycling into at least three different groups.	All of the cars have disappeared overnight! Write a story that explains what we do now that cars are gone.	Create a device that can collect rainwater. Make a graph of how much rain you collect everytime it rains.
Design and create your own animal. Come up with what it eats, where it lives and how it protects itself from predators. Then, create a model of it.	Research where you get your electricity from. Determine if any of it comes from renewable resources.	Research where you live and if there's any bike paths or walking trails. Make an advertisement to get more people to use them.	Collect clothes that you don't wear anymore. Create a new outfit or clothing accessory out of them. Do this with some friends and create a fashion show.	Go for a walk around your neighborhood. Count how many solar panels, wind turbines, water barrels or any other green inventions you can find.



Earth Day STEAM Activities

E	A	R	T	H
Build a birdfeeder and observe what different birds go there. Make a graph of the results. Come up for a reason why one bird shows up the most.	Find an ant and follow it around for a bit. Make notes on what it does and where it goes. Write a story from the perspective of the ant.	Simulate an oil spill by placing a spoonful of cooking oil into a cup of water. Design a solution for cleaning it up!	Collect moss outside and mix it with 2 cups water, 2 cups yogurt in a blender. Paint with it outside. Once its dry water it once a day for your very own growing art.	Take a toy outside and create a hiding spot for it so that it blends in with its surroundings. Make a friend look for it and see how long it takes them to find it.
Create a device that will trap bugs but will not harm them. Place it outside and observe what different bugs you catch. Explain why you caught the types of bugs you did.	Using materials that you would find in nature. Create a structure that is 15 inches tall and could survive a wind storm.	Design a solution that would prevent an animal from eating a plant.	Find some leaves. Color them with washable markers. Lightly cover the leaves with water and then press them into a sheet of paper to create leaf stamps.	Make a chart of everything your family throws away in a day. Multiply that by 365 to estimate how much trash you make in a year. Figure out what you can REDUCE using.
Using things only found in nature. Create a device that can move something 10 feet away and drop the object into a container.	Research what it means to be "Carbon Neutral" design a city or a house that would be carbon neutral. Explain what are the benefits of this kind of design.	Create a device that will spread flower seeds around an area of 10 feet.	Design a poster or public service announcement to explain to people the importance of recycling. .	Using materials that you find outside. Create a musical instrument that can play different notes. Play a song on it and see if someone can figure out what you're playing.
Find a fruit or vegetable that you eat that has seeds. Take the seeds and place them into a cup of dirt with water. See if you can get it to grow.	With permission, take apart an old toy or electronic device. Use the parts to create a sculpture on why it's important to recycle.	Create a device that can sort recycling into at least three different groups.	All of the cars have disappeared overnight! Write a story that explains what we do now that cars are gone.	Create a device that can collect rainwater. Make a graph of how much rain you collect everytime it rains.
Design and create your own animal. Come up with what it eats, where it lives and how it protects itself from predators. Then, create a model of it.	Research where you get your electricity from. Determine if any of it comes from renewable resources.	Research where you live and if there's any bike paths or walking trails. Make an advertisement to get more people to use them.	Collect clothes that you don't wear anymore. Create a new outfit or clothing accessory out of them. Do this with some friends and create a fashion show.	Go for a walk around your neighborhood. Count how many solar panels, wind turbines, water barrels or any other green inventions you can find.

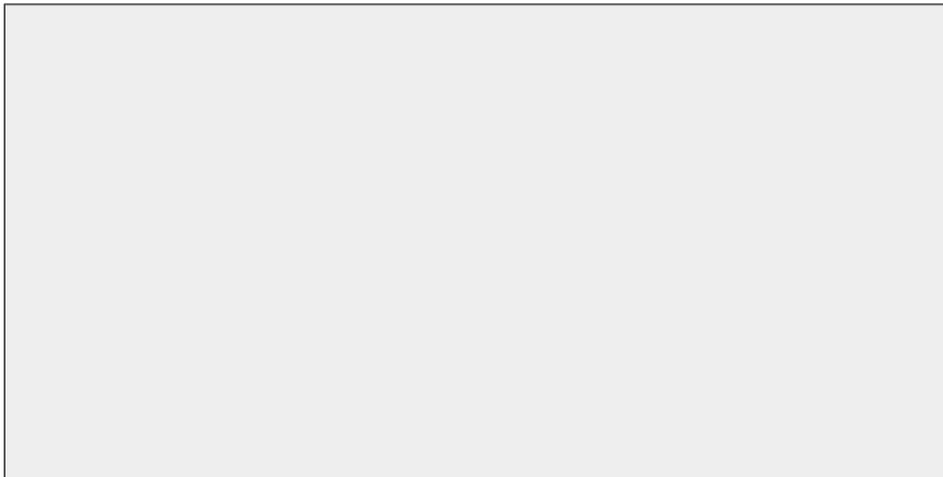


Journal Reflection Page

Describe the Challenge you picked:

Why did you pick this challenge?

In the box below sketch picture of what you made (if you did something on another page, include those instead)



Describe how your solution works.

What was challenging about this project? How did you overcome these challenges?

What did you learn while doing this challenge?

Graphing Page



Thank you for downloading, this board came as a suggestion from a follower. Have an idea for a board, activity or topic. Drop me a line! I love feedback too.

Contact

mrstemurray@gmail.com

www.twitter.com/mrstemurray

<https://www.teacherspayteachers.com/Store/Mrstemurray>

instagram: @mrstemurray