



Earth Day 2020

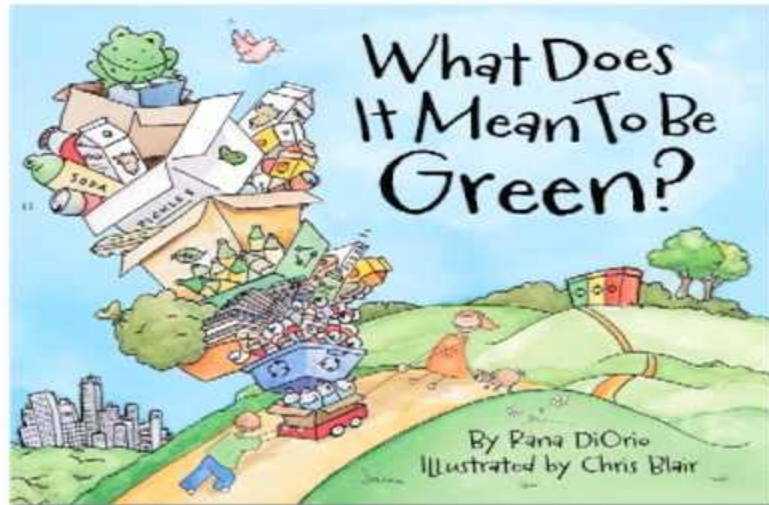
WAYS TO CELEBRATE EARTH DAY AT HOME!

Why Do We Celebrate Earth Day?

The 1st Earth Day was on April 22, 1970 and now 50 years later over a billion people celebrate Earth Day to protect the planet!

<https://kids.nationalgeographic.com/explore/celebrations/earth-day/>

What Does it Mean to Be Green? Read the book below to find out.





What Exactly is Earth Day?

Watch the video below to find out ways you can make Earth a better place!





WAYS TO CELEBRATE EARTH DAY AT HOME

Take a nature walk or ride your bike.

Use reusable water bottles.

Plan a meal together using items that are in season or what you have available in your home.

Turn off lights when you leave a room.

Go on a virtual field trip.

Watch an Earth Friendly movie-The Lorax, Free Willy, Wall-E

Plant a tree or flower.

Clean up litter in your neighborhood.

Pollution- How does it affect planet Earth?

Read about Ocean Pollution:

<https://www.naturalbeachliving.com/water-pollution-activity/>

Find out how pollution from plastic, light, oil, and other trash affects Earth.

<https://kids.nationalgeographic.com/explore/science/pollution/>

Connecting Kids to Nature

Needs to explore nature and getting kids outside to learn and play is good for their minds and their souls. To this outdoor activity from Project Learning Tree™, it's safe, fun, and educational!

Pollution Search

Here is a way for children to take a closer look at pollution: what it is, what its sources are, and what people can do to reduce it.

Human-generated chemicals, trash, noise, and heat are all pollutants, but each can spring from an ongoing release or make its way from a distant fire. Pollution is any contamination of air, water, or land that affects the balance of the environment.

Your children are a global walk of your neighborhood (city, town, and state), and walk of pollution that may occur around you. Before stepping outside, prepare children by reviewing the "Neighborhood Pollution Search" sheet below, and take it outside to walk and investigate. Ask prompting questions to help students complete the sheet. The questions require interpretation for numbered cells on the chart below:

1. Do you see, hear, or smell any signs of pollution? What is it?
2. Can you find examples of pollution on land, in the air, and in the water? Where?
3. Can you explain the major cause of the pollution you have identified?
4. Who or what is affected by this pollution?
5. What might you do to help minimize or reduce this pollution?

	Release 1	Release 2	Release 3
1. Name and/or identify pollution (air, water, noise)			
2. Location of pollution (in water, soil)			
3. Source (or cause) of pollution			
4. What/whom is affected by this pollution?			
5. Your solution			

Concept Map
Challenge children to explain their research responses in their own words. To do so, complete the connections and then create a concept map.

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graph TD
    A[POLLUTION] --- B[Land]
    A --- C[Water]
    A --- D[Air]
    A --- E[Noise]
    B --- F[ ]
    C --- G[ ]
    D --- H[ ]
    E --- I[ ]
    F --- J[ ]
    G --- K[ ]
    H --- L[ ]
    I --- M[ ]
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For younger children, consider reading Dr. Jane's The Earth in Her Green Book (2004) (ISBN000020) and also available on video for free at <http://www.plt.org/earth>. This story can be used to teach about people's attitude toward pollution. What represents pollution in the story? Where does it come from? How did the end try to solve the problem? How do you feel about it? Does this story remind you of any pollution you have seen or heard about?

Water Learning Fun!
Encourage your child's school to incorporate learning outdoors.
Get more activity ideas and materials:
• attend a PLT workshop, www.plt.org/workshops
• visit www.plt.org

PLT
Project Learning Tree™
A national network of educators
and students working together to improve the quality of our environment.

www.plt.org

EARTH DAY FUN

EVERY DAY WE CAN DO OUR PART TO KEEP THE WORLD CLEAN AND BEAUTIFUL. WE CAN LEARN HOW TO CONSERVE RESOURCES AND PROTECT THE PLANET!



MEASURE YOUR FOOTPRINT ON THE WORLD

Trace around your foot and use it to measure your room! Your footprint on this world is how much space you use. You can also measure each room of the house.

BRUSHING TEETH WATER CONSERVATION ACTIVITY

Place a bowl under the faucet and brush your teeth for the full two minutes with the water running. Measure the amount of water in the bowl. Now compare that to brushing your teeth for the full two minutes with the water only running when necessary. Measure that amount of water and compare the two.



HOW MANY LIGHTS ARE ON GRAPHING ACTIVITY

At breakfast, lunch, and dinner, check out how many lights are on and write down the numbers. You can also check more frequently during the day. You can then graph it! Add the total for the day and keep track over the course of the week. You can have a daily graph and then a graph of the daily totals for the whole week.



THE IMPACT OF TRASH

Last year we took a walk around the neighborhood and collected any trash we could find. You can do this just about anywhere trash is thrown on the side of the road. Put all your trash in a bin of clean water. Talk about what happens to the water over the next 24 hours.



GO-SCREEN FREE FOR THE DAY

Use less energy and unplug! Read a book, ride your bike, play a board game, make art, or anything else you enjoy that doesn't require energy. Using less energy keeps the planet and everyone on it healthier for the future!

CONNECT WITH NATURE

When you connect with nature you naturally want to protect its beauty! Get outside and explore. It's a great opportunity to go screen-free and conserve energy too. Find a new trail, go to the beach, or just play games in the backyard. Share the enjoyment of the outdoors with your kiddos and it will help them understand why the environment is so important.



REUSEABLE BAG STEM CHALLENGE

Design and create an alternative bag that is reusable and can carry the most cans of food using materials from your home.



READ ALL ABOUT PLASTIC POLLUTION ON KIDS NATIONAL GEOGRAPHIC
<https://kids.nationalgeographic.com/explore/nature/kids-vs-plastic/pollution/>

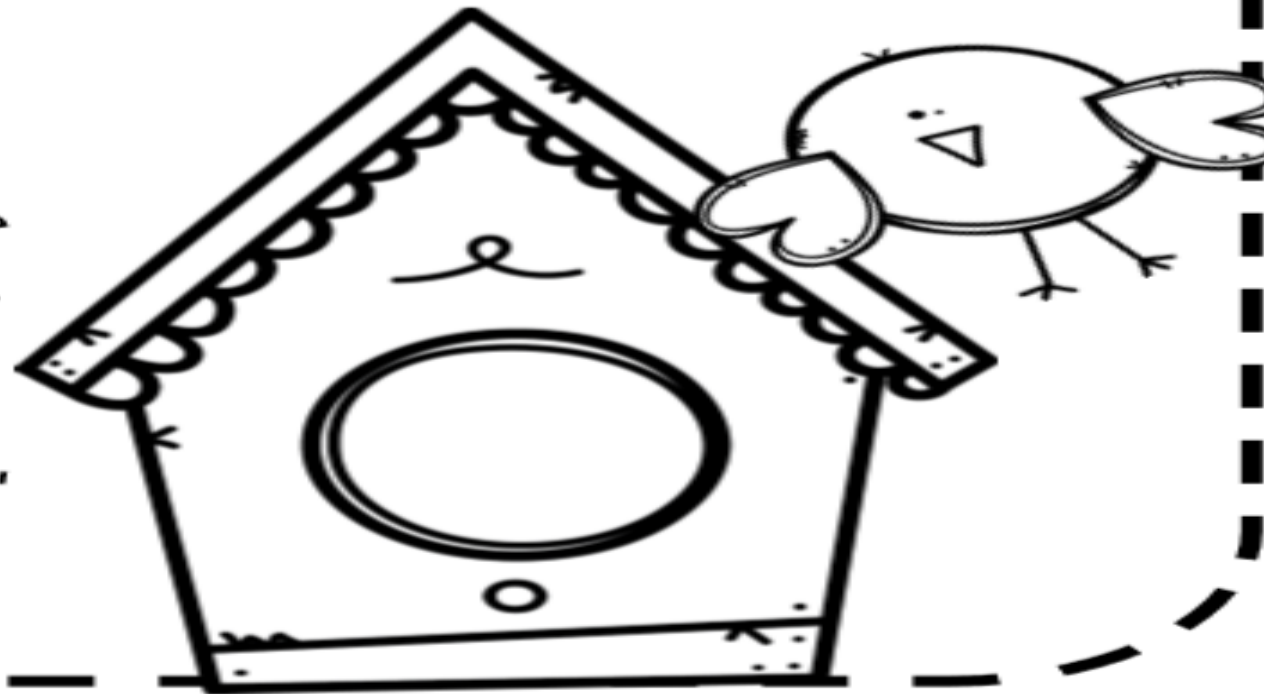


MRS. HILOBUK WANTS TO SEE WHAT YOU CREATED! PLEASE EMAIL MRS. HILOBUK A PICTURE OF YOUR NEW REUSEABLE BAG YOU DESIGNED TO MY EMAIL ADDRESS: MHILOBUK@WCSKIDS.NET OR POST IT ON MRS. COLEMAN'S MEDIA FACEBOOK PAGE. I LOOK FORWARD TO SEEING WHAT YOU CREATED!

BIRD FEEDER STEM CHALLENGE

Design and build
a **Bird Feeder**
that can be refilled
easily and can dispense
bird seeds on its own.

You can use
plastic bottles,
plastic plates, cardboard,
wooden clothespins,
and string to engineer
this bird feeder.



The Challenge

Spring has sprung! Spring is an exciting time! The flowers bloom, the birds begin to sing, and best of all, the sun shines brightly!

However, sometimes the sun can make it difficult to see clearly, or can hurt your eyes while playing outside! Can you help design a solution?



Name: _____

Date: _____

Rain Stick

Students will use materials to create a rain stick that sounds like a real rainstorm.

Materials:

Paper towel rolls
Toilet paper rolls
Empty water bottles
Aluminum foil
Beans, lentils, popcorn seeds,
rice
Brass fasteners
Toothpicks
Packing/Duct tape



Directions:

1. Choose some or all of the materials provided to create a rain stick.
2. Put the materials together so when you shake the rain stick it sounds like a real rainstorm.
3. Make sure that it is sturdy and doesn't fall apart.
4. When you have completed building a rain stick, you can decorate the outside of it.

STEM TASK CARD

Create a sculpture that uses three different recycled materials.



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STEM TASK CARD

Soil and sand erosion cause many problems. Engineer a system that solves shore erosion.



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STEM TASK CARD

Create a comic book that teaches younger children about good recycling habits.



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STEM TASK CARD

Design a toy that uses recycled paper towel rolls.



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STEM TASK CARD

Pollution Solution!
Design a board game that teaches about water pollution



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STEM TASK CARD

Make a chart that lists ten ways to recycle paper in a classroom.



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