



Earth Day Fun Patch Kit

Earth Day is April 22nd! Learn about our planet, how certain behaviors have caused it harm and how to ensure the Earth heals and thrives. This fun patch kit includes a recyclable egg carton craft; letting girls not only recycle but make something beautiful. A S.T.E.A.M. mystery bag challenge where girls will be asked to create something from a mystery bag that an adult assembles. Next, find instructions to make energy saving signs to put around the house, reminding everyone to save energy. Explore the history of Earth Day by completing an Earth Day history scavenger hunt. Through the scavenger hunt, girls can learn how a group of people who were concerned with pollution, the environment and public health came together to make a difference!

Girls can work virtually with their troop or do activities on their own! Once the activities are completed, email Teresa at the GSSNV Shop to purchase patches at: tramirez@girlscoutsnv.org. Include how many Earth Day patches you would like to order along with item number 58641.

We would love to see what you are doing! Adults can send photos to: customerservice@girlscoutsnv.org, we may post on our social-media channels!

Use the links below more additional fun and games centering around Earth Day!

Earth Day, Everyday Book: <https://www.youtube.com/watch?v=qvdhsn-BFDI>

Earth Day is Everyday Recycling Game:

<https://www.starfall.com/h/holiday/earthday/?t=256804006>

History of Earth Day: <https://www.earthday.org/history/>



Conserving Energy Signs

Sometimes, we need a little push to start changing our habits. Have your girls make signs around the house to help remind themselves and the rest of the family to turn off the lights and electronics when not in use to save energy. This will encourage the girls and others to be more energy conscious and hopefully girls will remind others to conserve energy in their homes.

Girls will need pieces of paper and markers or crayons to make the signs like the example below. Help the girls place them around the house in places where everyone will see them.





Egg Carton Daffodil Recyclable Craft

A great part of helping the Earth is recycling and a fun way to do this is to make recyclable crafts! Your girls will be making these cute Egg Carton Daffodil's. Instead of throwing an egg carton in the trash, make this Springtime craft! Don't forget to have an adult post the finished project on social media and tag us with the hashtag; #GSSNV.

Materials Needed:

- White Card Stock or a Piece of White Paper
- Egg Carton
- Yellow Paint or Markers
- Orange Paint or Markers
- Paintbrush (If needed)
- Black Sharpie or Marker
- Tacky Glue or Glue Stick
- Scissors
- Newspaper



Directions

1. To make these Egg Carton Daffodils, first spread newspaper over your work surface to protect it.
2. Cut the cups from the egg carton and paint or color both the inside and outside yellow. Let dry.
3. Paint or color the inside bottom of the egg carton cup orange and let dry.
4. When the orange paint or marker is dry draw in black seeds with the black Sharpie or marker.
5. Glue the egg carton cup over your drawn picture of the Daffodils!
Don't forget to add Leaves like in the picture.
6. If possible recycle the remaining parts of the egg carton!



Molly Steer Ted Talk Questions

A great part of Earth Day is listening to those who advocate for the planet and make a difference in the movement. Please watch the Ted Talk below, it's a wonderful girl named, Molly Steer. This nine-year-old girl is making a difference and has contributed to this movement through – Straw No More.

Molly Steer's Ted Talk:

<https://www.youtube.com/watch?v=Rr5Py1r9xjw>

After watching the video, you can also check out her website to read more about her movement and what she's doing to make the world a healthier and better place. After this, have your girls answer some questions below to get them thinking about what they've learned and how they can make a difference.



Straw No More Website: <https://www.strawnomore.org/>

1. After hearing how harmful plastic can be for the Earth, what can you do personally?
2. If you stop using straws, can you encourage your friends and family not to use them too?
3. What would happen if your school took the pledge of not having plastic straws too?
4. In what ways could you make this happen?
5. What other ways can you help make the Earth a better place?
6. What can you do at home right now to make the Earth a better place?



S.T.E.A.M. Mystery Bag Challenge

Caregivers, we need your help with the first part of this fun activity! Without your girls seeing you, get a bag and put random items including recyclable materials such as bottle tops, aluminum foil, cardboard, paper towel or toilet paper cardboard rolls. Once you have the bag filled with the items, give your girls the bag along with a challenge card (cards included in the Fun Patch Kit). Girls are challenged to make whatever the card suggests.

Your girls can do this activity multiple times with different items and different challenge cards! Once finished, post your girls' creation on social media and tag us with the hashtag #GSSNV or send a photo into customerservice@girlscoutsnv.org.



STEM Mystery Bag Challenge Cards- Page 1

You just landed your spacecraft on a new planet and are desperately in need of water, but the only water source is half a mile away.

You may not find your space shuttle if you leave it. Design a way to get the water without walking away from your space shuttle.

You are filming a movie but someone broke the video camera. What will you use to film the movie? Build It.

While going on an adventure in the rainforest, you became lost from your group. Design a device to get their attention so they can find you.

You are fishing on a boat in the ocean. Suddenly there is a big wave! A fish comes out of the water. It is too big for your fishing gear to hold. Build some better fishing gear that can catch and hold the large fish.

You are an elephant at a zoo and just found out you'll be transferred to another zoo that is full of mice! You are very afraid of mice. Design something you can use to keep the mice away.

You are a bird and need to build a home for your bird family. Build a home that will keep your bird family safe and comfortable.

You are at the swimming pool on a nice warm day, but you forgot to bring your pool toys. Create a pool toy that would be fun to play with in the pool.

You are going on a nature walk in the forest to collect nature treasures, but you forgot to bring something to hold your findings.

Design the perfect container to hold all your nature treasures from your walk.

STEM Mystery Bag Challenge Cards- Page 2

You just flew your spaceship near a brand new planet no one has ever been on, but you aren't sure if the surface is strong enough to hold your ship. Create a device to test it and find out.

You have a deadline to create a dog toy that's so fantastic it's sure to sell out of stores in no time, but you have limited materials. Make this awesome designer dog toy out of what you have.

You are pet sitting for a goldfish, but the goldfish really misses his owner. Design something to cheer him up!

You are in the forest and see the most delicious looking wild blueberries across a wide river. Use your materials to devise a way to get the blueberries.

You are on an expedition and come to a volcano spewing hot lava and ash. There is no way to avoid the volcano, and you must get by it to continue your expedition. Design something to help you continue on your way.

Your car's engine has broken down right in the middle of nowhere while you were on your way to work. Build an engine that is efficient enough to get you to work on time.

You've just discovered the only known garden troll in existence, but he's refusing to come out from his home hidden in your backyard. Design something to lure him out so you can get to know him.

You just woke up to find yourself on a glacier in Antarctica! Use your materials to design something that can help you get back home.

STEM Mystery Bag Challenge Cards- Page 3

Someone left the door to your house open, and it's now full of hundreds of flies- too many to swat! Use your materials to make something to help rid your house of the flies.

You are trying to befriend a very shy robot. Design a present for it that you know it will love!

You are a fish that wants to see what it's like to live on land. Design a way to explore the world out of water.

Invent something you know a gardener would love!

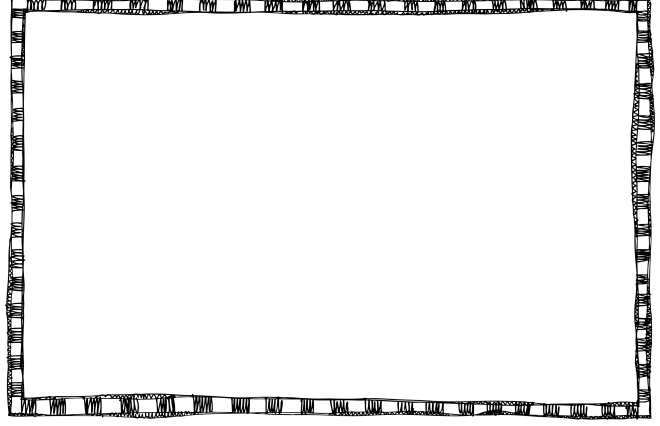
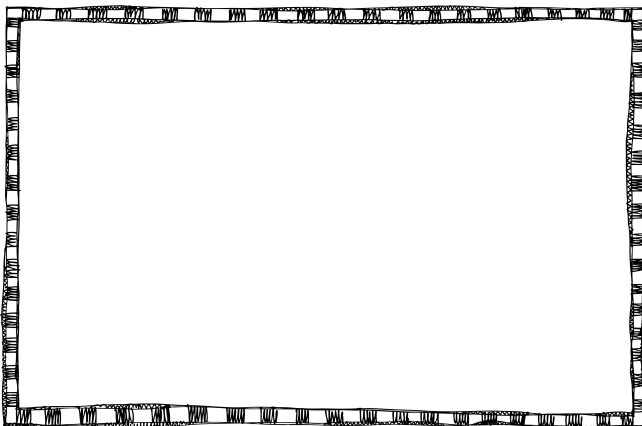
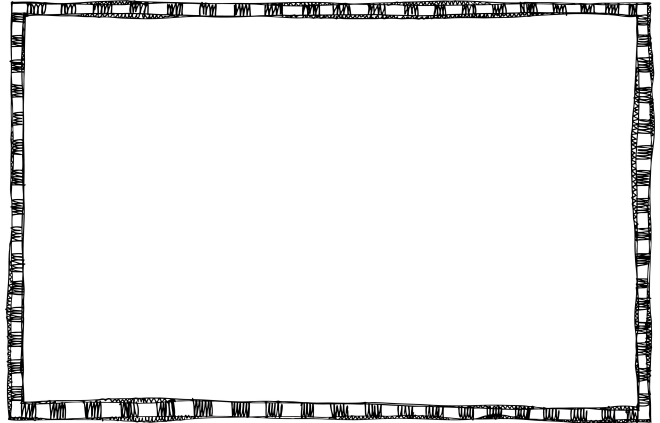
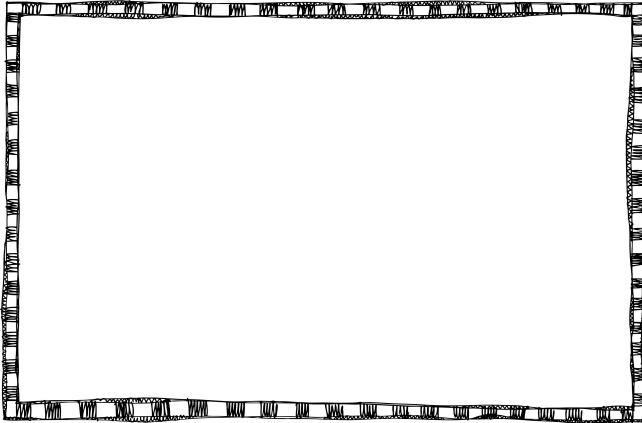
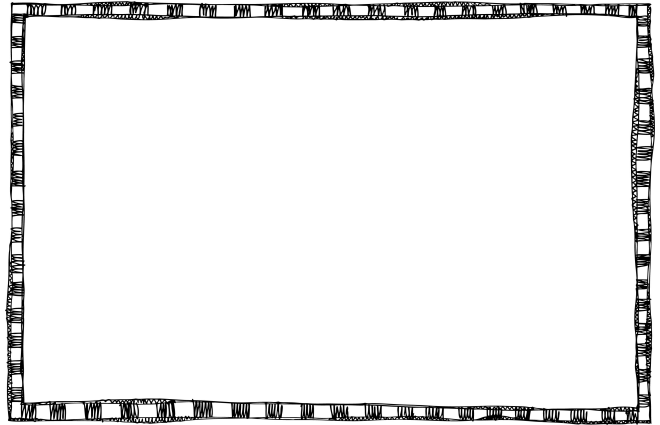
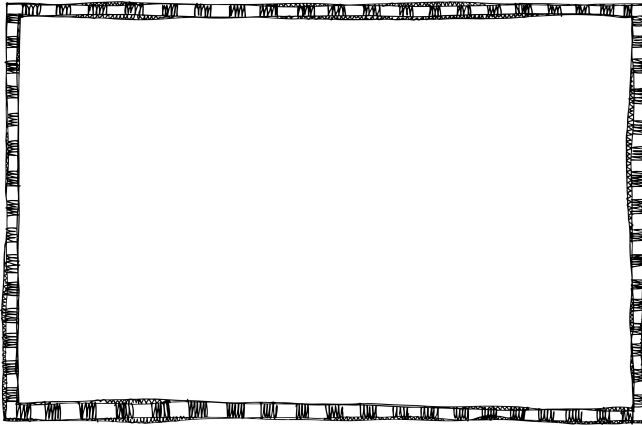
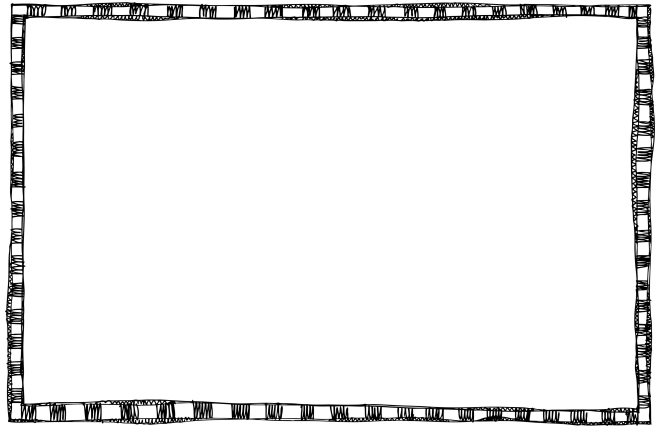
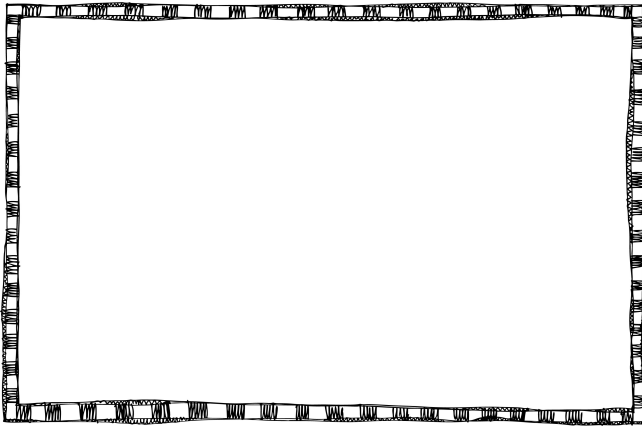
You are an ant watching a giraffe eat delicious leaves from way up in a tree, and you really want to try one! Create a way to get one of those leaves.

You are a spider, and your best friend is a bee. You really want to fly around with your bee friend, but of course, you can't fly. Create a way you can join your best friend bee in the air.

The world has just run out of candy right before Halloween! Create a machine that can help save trick-or-treating!

You have a unique pet iguana that does not like sun. Design a shelter for him so he can stay in the shade.

STEM Mystery Bag Challenge Cards





Internet Scavenger Hunt

As we celebrate the 50th anniversary of Earth Day, use the link below to read about the history of Earth Day and how it has become the movement it is today! There are a few questions from the short video included also. Check the answer sheet to see how many you got correct!

Happy hunting!

History of Earth Day: <https://www.earthday.org/history/>

1. What year was the first Earth Day?
2. Americans were consuming vast amounts of what?
3. Mainstream America was oblivious to what?
4. What was Rachel Carson's bestseller?
5. What did Rachel's book raise concern about?
6. What stopped the view in Denver, CO?
7. Denver was labelled as what?
8. Who was the founder of Earth Day?

9. What did Senator Nelson call this idea to the media?
10. Why was April 22nd selected as the date to have Earth Day?
11. How many American people attending the first Earth Day?
12. What did many colleges and universities organize during Earth Day?
13. What rarity did Earth Day 1970 achieve?
14. What did the first Earth Day lead to the creation of?
15. What acts passed after Earth Day 1970?
16. What year did Earth Day go global?
17. How many countries participated in Earth Day 1990?
18. Earth Day 1990 gave a huge boost to what?
19. What did Earth Day 2000 build?
20. What message did Earth Day 2000 send?
21. What did Earth Day 2010 launch?
22. What becomes apparent more and more each day?



Internet Scavenger Hunt Answers

1. What year was the first Earth Day?

A: 1970

2. Americans were consuming vast amounts of what?

A: Leaded gas

3. Mainstream America was oblivious to what?

A: Environmental concerns and how a polluted environment threatens human health.

4. What was Rachel Carson's bestseller?

A: Silent Springs

5. What did Rachel's book raise concern about?

A: Living organisms, the environment and, the links between pollution and public health.

6. What stopped the view in Denver, CO?

A: Haze

7. Denver was labelled as what?

A: The 17th most polluted city

8. Who was the founder of Earth Day?

A: Gaylord Nelson

9. What did Senator Nelson call this idea to the media?

A: "National teach-in on the environment"

10. Why was April 22nd selected as the date to have Earth Day?

A: It fell between Spring Break and Final Exams

11. How many American people attending the first Earth Day?

A: 20 million

12. What did many colleges and universities organize during Earth Day?

A: Organized protests

13. What rarity did Earth Day 1970 achieve?

A: Enlisting support from Republicans and Democrats, rich and poor, urban dwellers and farmers, business and labor leaders.

14. What did the first Earth Day lead to the creation of?

A: The United States Environmental Protective Agency

15. What acts passed after Earth Day 1970?

A: Clean Air, Clean Water, and Endangered Animals Acts

16. What year did Earth Day go global?

A: 1990

17. How many countries participated in Earth Day 1990?

A: 141 countries

18. Earth Day 1990 gave a huge boost to what?

A: Recycling efforts worldwide

19. What did Earth Day 2000 build?

A: Local and global conversations

20.What message did Earth Day 2000 send?

A: Citizens around the world wanting quick and decisive action on global warming and clean energy.

21.What did Earth Day 2010 launch?

A: Billions Acts of Green – the world's largest environmental service project

22.What becomes apparent more and more each day?

A: The ravages of Climate Change