



It's Summer Time!!!

Dear Students and Caring Adults,

I have put together these fun and creative summer enrichment projects for you to enjoy. I have labeled grade appropriate projects but many of them can simply be modified for other grades (higher or lower).

I hope you will enjoy getting creative! I look forward to you sharing your successes with me - **show off your completed masterpieces! Email a picture, video, comments or questions to [ccormier@ps354.org](mailto:ccormier@ps354.org)**

Please have a healthy and safe summer. You are so appreciated. In the meantime, I'll eagerly await the return to the new school year. See you in the fall friends.

Warm regards,

Ms. Cormier

# STEAM Art Activities

## 8 Weeks of Creative Summer Fun

These eight weeks of summer STEAM enrichment creative activities can be done in any order. If you complete your grade strand, feel free to try activities from other grade strands. If at any time you have questions, need support or would like to share your completed work, please email me at [ccormier@ps354.org](mailto:ccormier@ps354.org) I would love to share your work on my STEAM\_CREATIVITY instagram page.

### Kindergarten / First Grade

#### ? "Cardboard Animals": patterning, symmetry, realistic, cartoon, (math, science, art)

By now you all know that Ms. Cormier is a lover of animals as well as recycling materials. I am always thinking of new ways to incorporate and re-use my collection of recycled boxes in creative or useful ways as an artist. These patterned cardboard animals are really fun to make as a solo project or with friends and family.

Sometimes I find myself with so many boxes! If any of you have moved recently or family members made large online orders then you know what a bummer it can be to have these empty boxes ready for the garbage. The recycler in me has to make something out of them!

Additionally, you can make your own templates by drawing your own animal or figure out onto regular paper and using the same process - cutting and tracing it onto cardboard.



**BRIGHT IDEA:** Create animals that *dwel* in the same *habitat* or animals of the same *species*.



#### SUPPLY LIST TO MAKE PATTERNED CARDBOARD ANIMALS:

- o Cardboard boxes or cereal boxes
- o Templates: cat, dog, fox, horse, penguin, and goat
- o Pencil or marker for tracing
- o \*Scissor (with the help of an adult)
- o Tempera paints & brushes, markers...

#### INSTRUCTION FOR MAKING PATTERNED CARDBOARD ANIMALS:

1. Print out the templates, trace onto the cardboard, then cut out
2. Paint animals with a base coat first. If you are using paint, I would like to encourage you to mix your own colors instead of using straight out of the

bottle. You can at least add white to make it a little more opaque.

\*If you are not using paint, you can pencil in your pattern and carefully select your markers, crayons or pastels to color in your pattern.

**ANIMAL TEMPLATES:** [Animal templates](#) link



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### ? "Tortoise numbers"

Here is an example of small turtles that you can make into a number line, alphabet chart, or even a cool way to display your name.

You don't have to just create turtles! Take a look at the shape of the egg carton.

What other small creatures or insects can you create from paper egg cartons?

Can you make anything else? - oh the possibilities are endless -

How about a car!

Have fun, use your imagination. Find stuff around the house to use to simply be creative with.

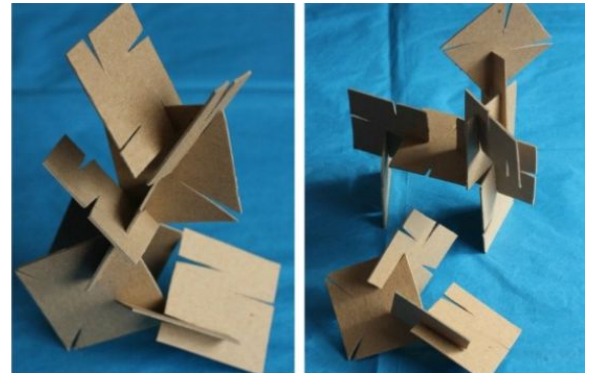


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### ? Cardboard Construction Set

Make a cardboard construction set to build and play with, using sturdy cardboard pieces from your recycle bin.

Building and constructing with recycled materials is a lot of fun. It gets kids using their fine-motor and critical thinking skills and it's a super way to repurpose materials from your recycle bin. It's good for the environment and the pocket book.



You're going to love this idea! It's so simple to make and it won't cost you a dime!

#### HOW TO MAKE A HOMEMADE CARDBOARD CONSTRUCTION SET:

You'll need some sturdy cardboard – stronger than a cereal box so it doesn't bend or rip easily. Now, simply cut your cardboard up into squares.



Then along the edges or at the corners, cut some very narrow V-shaped slits. Like this:

That's all there is to it!

Place the pieces in a basket or a large ziploc bag for safe keeping.

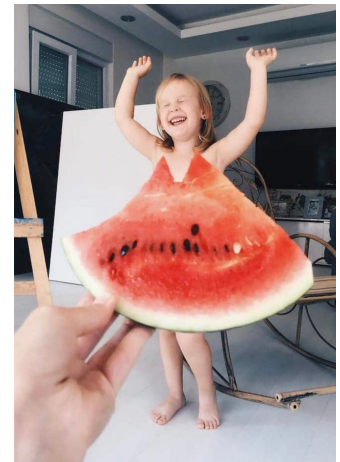
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? "Photography dress up with food"



Have you ever looked at your food and thought this would be something cool?

Here is an imagination challenge - Using food or any other items that you see fit, work with a partner to take creative photographs that make it look like you are wearing these items. It takes practice, you will need a partner, and a camera - (an ipad or phone will work)



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Second Grade / Third Grade

? "Paper Bag Journal" (art, literacy, writing)



PAPER BAG JOURNAL

Over the summer, and especially since we have been "home" for so long, I want to encourage you to design and create your very own cool paper bag journal.

Add a fun memory, special moment that you want to capture, explore your creative writing skills, record your dreams, create a cartoon, write a play, ANYTHING that brings you joy!

For this journal to become truly personal and special I recommend that you make an entry no less than once a week or as often as you can.

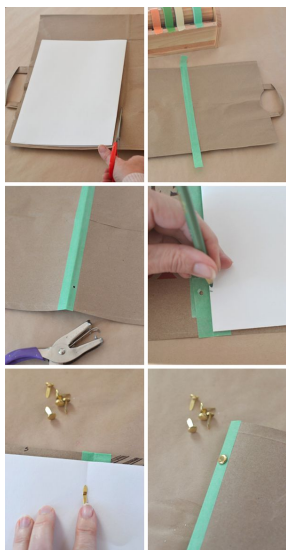
Keep your journal close by to write down your thoughts, draw, paint or glue...whatever moves you! Plus, there is a nifty handle to carry it around. Winner!

SUPPLIES FOR MAKING THE JOURNALS:

paper bag // three or more sheets of 12 x 18 construction paper (or other paper that size, // plain or colored masking tape (painter's tape) // hole punch (1/8" ) // brass fasteners

INSTRUCTIONS:

1. Cut down the sides of your paper bag and cut off the bottom. You will now have two separate paper bag sheets (with handles).
2. Fold the inside paper you are using in half and lay it down on one side of the paper bag. Trim around the paper leaving a bit of a margin. Trim the other paper bag sheet.
3. Tape the two sides together. I put tape on the outside and the inside.
4. Punch a small hole at the top and bottom, going in as far as your hole punch will let you. Punch the hole close to the fold, but not on the fold.



5. Open up the bag and lay the folded paper inside, marking where the holes are on the white paper. Now punch holes in the white paper right on the fold.

6. Insert the brass fasteners from the outside and secure them on the inside. Voila!

### SUPPLIES FOR DECORATING THE JOURNAL

Letter stencils (optional, you can freehand) // watercolor paints // brushes // glitter glue // glitter (messy and exciting alternative to glitter glue // white glue in a bowl with a brush) if you plan to use glitter) // neon chalkboard pens

**TIP:** Tape the two sides together and paint and decorate them before you attach the inside sheets. After the paint and glitter dry, that's when you put in the sheets with the fasteners

**BRIGHT IDEA:** Glue envelopes inside the front cover. This is a way to make sure you cover all of the grocery store graphics, but also it allows yourself to have a place to collect and save the little you find to use for your art.



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### ? "Binary Code Message" (comp science, writing)

What is Binary Code?

Binary code is

Any code that uses just two symbols to represent information is considered binary code. Different versions of binary code have been around for centuries, and have been used in a variety of contexts. For example, Braille uses raised and un-raised bumps to convey information to the blind, Morse code uses long and short signals to transmit information, and the example above uses sets of 0s and 1s to represent letters. Perhaps the most common use for binary nowadays is in computers: binary code is the way that most computers and computerized devices ultimately send, receive, and store information

Directions:

Use the code alphabet to write your name, the names of your family members, or even "hidden" message.

## ALPHABET IN BINARY CODE

A	01000001	J	01001010	S	01010011
B	01000010	K	01001011	T	01010100
C	01000011	L	01001100	U	01010101
D	01000100	M	01001101	V	01010110
E	01000101	N	01001110	W	01010111
F	01000110	O	01001111	X	01011000
G	01000111	P	01010000	Y	01011001
H	01001000	Q	01010001	Z	01011010
I	01001001	R	01010010		

**WRITE YOUR NAME IN CODE!**

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## ? "Bottle Cap Art"



Using the engineering and design process, come up with a plan based on your imagination to create an artistic sculpture made entirely out of caps.

Plan your design

How will you connect the caps?

Are the color of the caps important to your design?

Do you have all of your supplies before you build?

Have you made a picture of your plan to follow as you build?

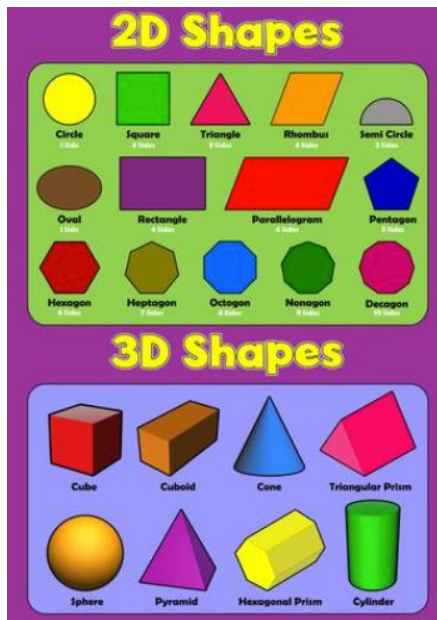
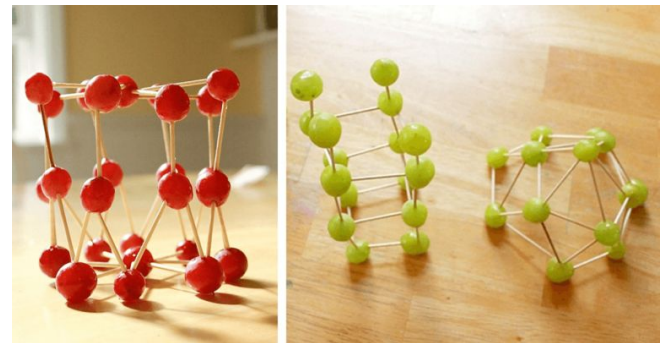
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## ? "Edible Sculptures"

These grape and toothpick sculptures are similar to the marshmallow & toothpick sculptures that perhaps you tried in the past, but much easier and so much better. I find that grapes are perfect for this activity! Really perfect. Whereas marshmallows were a bit too soft and sticky to work with (even when stale) They hold their shape well, are sturdy, and yet

are easily pierced by the toothpicks.



I suppose you could let them dry into raisin + toothpick sculptures – LOL Forget about the marshmallow sculptures. Grapes and toothpicks are where it's at. Besides, this version is perfect for summer.

### WHAT YOU WILL NEED:

Start with a bowl full of grapes and a box of toothpicks. grapes are ideal.

### INSTRUCTIONS:

Use the 2 dimensional and 3 dimensional shapes chart to help guide you in your designing of grape shape sculptures or the foundation of a nifty skyscraper! There is no limit to what you can do if you put your imagination to work.

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? "Design and Build a Model Water Slide" (science, engineering, art)

Water slides can be messy! It's all good, though. It's just water! You will LOVE this challenge!

**INSTRUCTIONS:**

Using the engineering and design process, develop a plan from what you can imagine and create a model water slide that a toy can slide and make a splash down into a bowl of water.

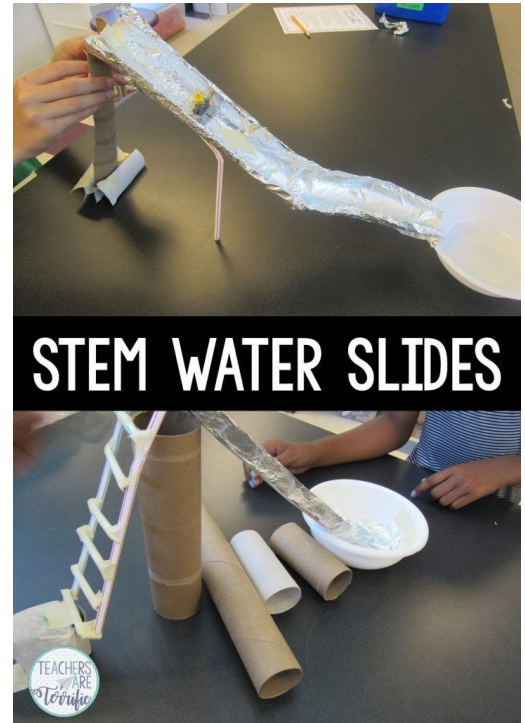


Test it out and make improvements as needed. Finally, share your design with me!

Use any materials that you can gather and engineer on based on your research and your plan.

**BRIGHT IDEA:**

\*\*Something to consider - If you plan on using *paper rolls* in your design, how will you make sure that they don't absorb the water and get mushy?



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? "How to Make Clay" (science, art)

How to make clay (that's actually more like an air-drying dough) and turn it into some beautiful butterflies (or any other shapes that make you happy).



**RECIPE:** To make the air-drying clay/dough you will need one-part white glue and two parts cornstarch.

**INSTRUCTIONS:** Mix the two together. In a matter of minutes, you'll have a lovely, white

moldable dough, similar in consistency to ready-roll icing/frosting.

Then you can roll out the dough and use some cookie cutters to stamp out some shapes. The pictures show an example using butterflies, but you can use any cookie cutter shapes you would like.

Use a pencil or skewer to make a hole in your shape, if you want to be able to hang it up.



And you can use a dry paintbrush to sweep over the surface and remove any clay dough crumbs that you might have on the surface of your butterflies.

Then you can set your butterflies on a flat surface (or a baking tray lined with baking parchment paper) and leave them overnight to dry out.



Once they are dry the hardened clay dough is a wonderful surface to decorate, and it takes pencils and wax crayons really well.

You can add color and patterns and symmetry to make each butterfly unique.

Then you can add string or ribbon threaded through the holes so you can hang up your butterflies.



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## ? "Adaptation Super Friend" (science, writing)

### What is an adaptation?

An adaptation is a special skill which helps an animal to survive and do everything it needs to do. Adaptations could be physical changes to the animal's body or behavioural changes in how an individual animal or a society do things in their daily lives.



### How can you turn an adaptation into a super power to create a character for a story or graphic novel plot?

Think of animals and their adaptations, even better, do some research! - Which adaptations fascinate you? Now that you have seen examples of animal adaptations and why their bodies evolved in such ways I bet you think they are pretty neat right?

So now let's take it a step further, **how can you create a character for a story, a meaningful image of even a graphic novel that incorporates an animal adaptation?**

#### ADAPTATION SUPER FRIEND

Once you have created your cool character or characters, it is time to develop an unbelievable story!

Be sure to include all of the uses and reasons for the character having the adaptation you chose.

**\*\* remember\*\*** it must be inspired by a real animal adaptation, so do some research.



GET CREATIVE

USE FACTS + YOUR IMAGINATION to create something UNIQUE & ORIGINAL

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