

4/26/21

Dear Lower Elementary Learning at Home Families,

Wow! Can you believe it's the end of April?! This year has really flown by. The weather is getting warmer now and we start to see the blooming of flowers and the budding of trees. The world is bursting with new life and we are watching and waiting! Aren't we so lucky to live in a place where the world wakes up before our eyes? Life is good at the 45th parallel.

We hope these new plans breath new life into your practice of math facts, language work, and science experiments and culture research. What flowers can you find to dissect? How big is it? Can you measure it?

The study of cursive writing is beautiful, just like the flowers we are watching. A labor of love is well worth it. Keep working on it. We promise, it is worth it.

Working together,

Megan, Rebekah, Deb, Arden, and Lisa
Lower Elementary Guides

Math and Geometry

- **Daily Math Practice** - Khan Academy: Please use our class code so that we are able to monitor your progress and practice.
- **Math Facts - Tally Mark Dominoes**

This homemade domino game builds on the idea of visual patterns to help instill the patterns of making numbers. The tally visual allows you to easily see the number 5. The other tally marks are in addition to the five (or are under five). The Speed Round of this game can help solidify the concept. Try it and have fun!



<https://www.notimeforflashcards.com/2013/10/tally-mark-dominoes-and-speed-racer-math-games.html>

A variation of this game is to do the domino pieces all using tally marks. You then have a separate set of cards (a regular set of playing cards can work, where the face cards equal 10), which you flip over one at a time. When the playing card is flipped over then each player needs to find in their tally domino cards a number that equals it. So if the playing card is the number 8, then a tally card with one end having a 5 tally, and the other end having a 3 tally could be laid. Some children would enjoy finding the matching tally domino together with a friend, or it can be a speed game to see who can find the tally card fastest, or against a clock. Have fun!

- **Number Combinations**

Use this material to play with number combinations. Addition, subtraction, and the commutative law can all be practiced and solidified.

Each of these bead bars represents a number which can be used in various combinations to create equations.

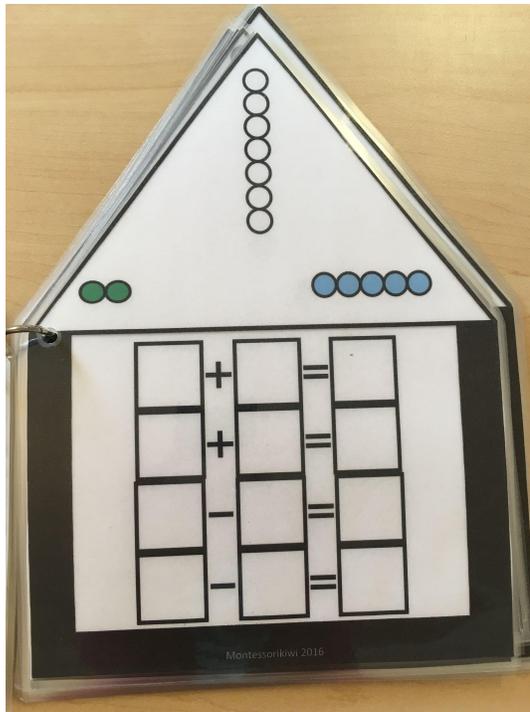
Example:

$$2 + 5 = 7$$

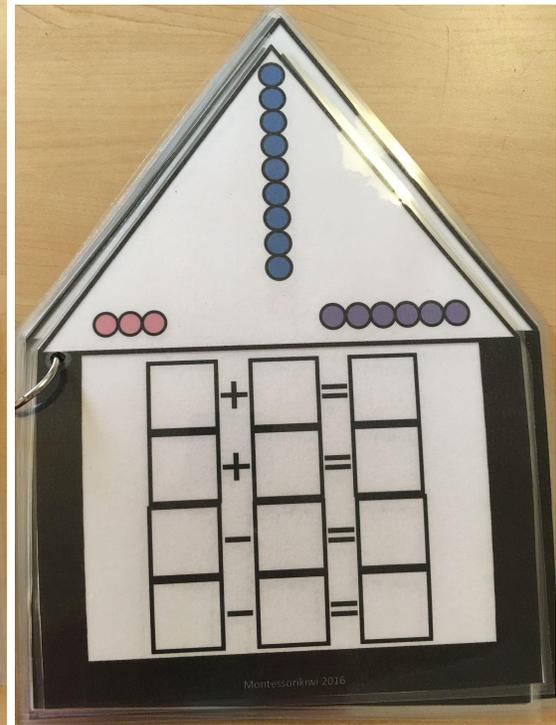
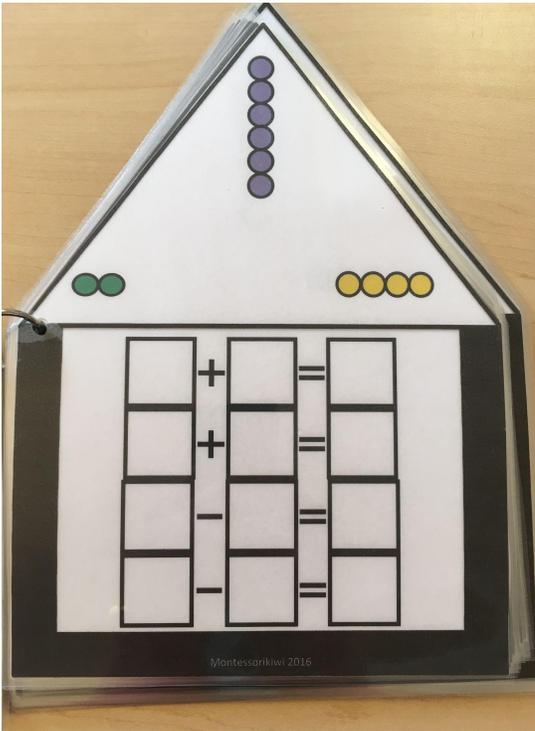
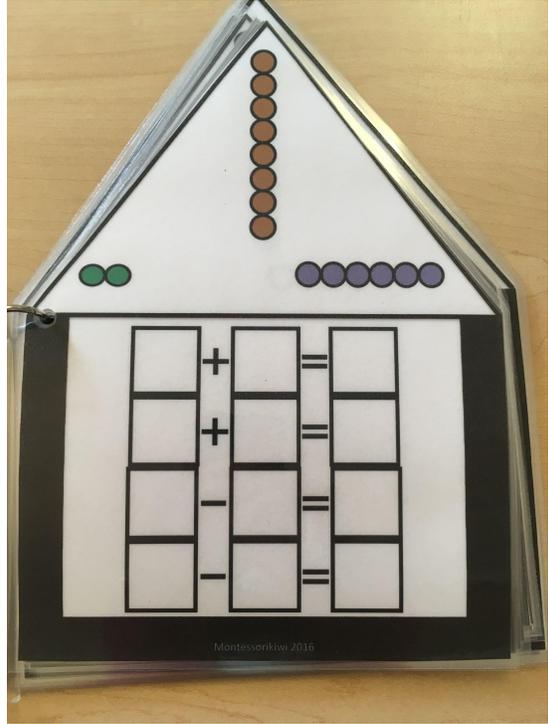
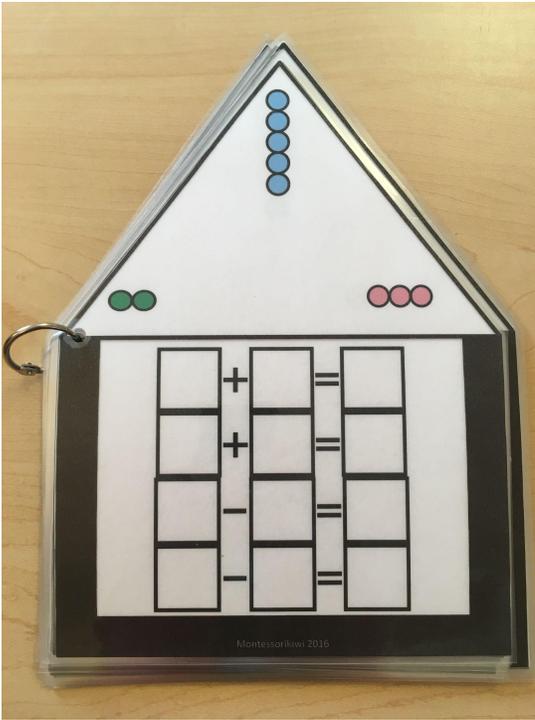
$$5 + 2 = 7$$

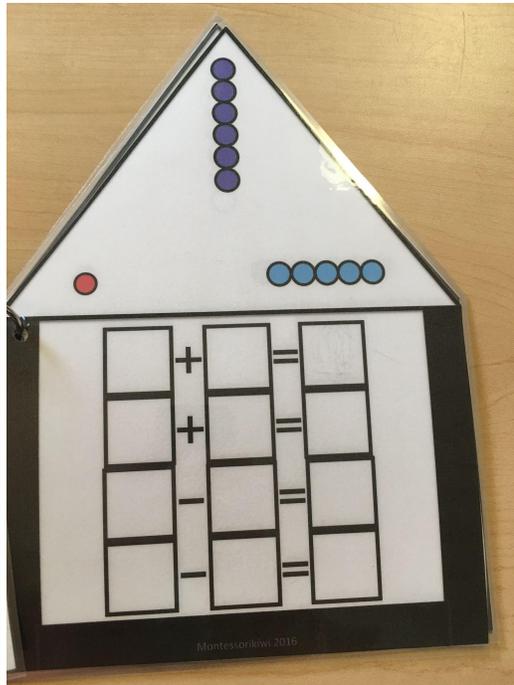
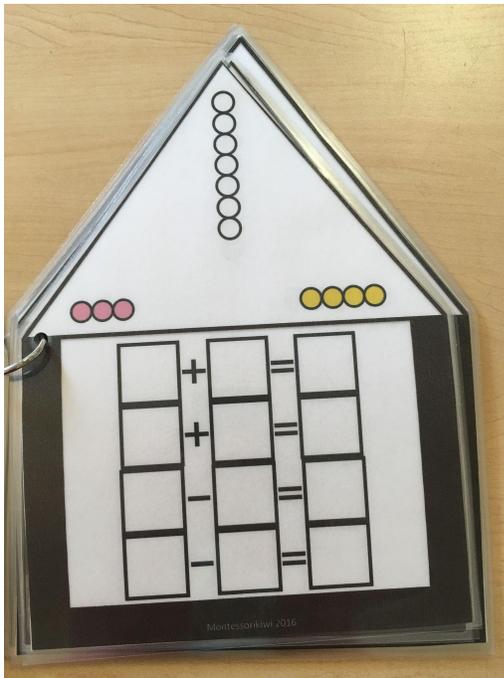
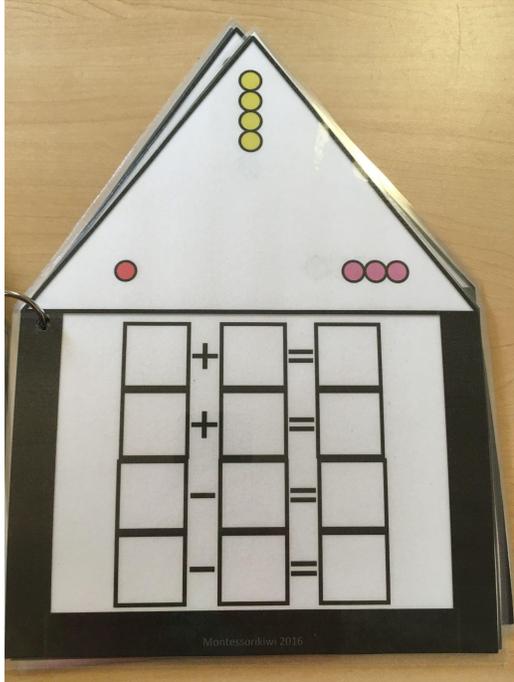
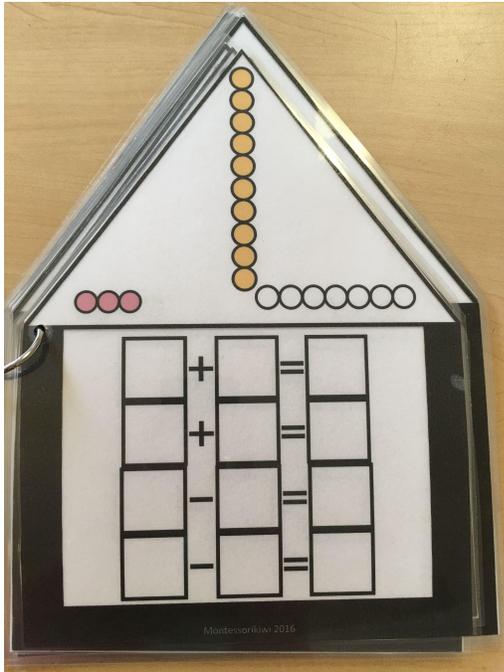
$$7 - 2 = 5$$

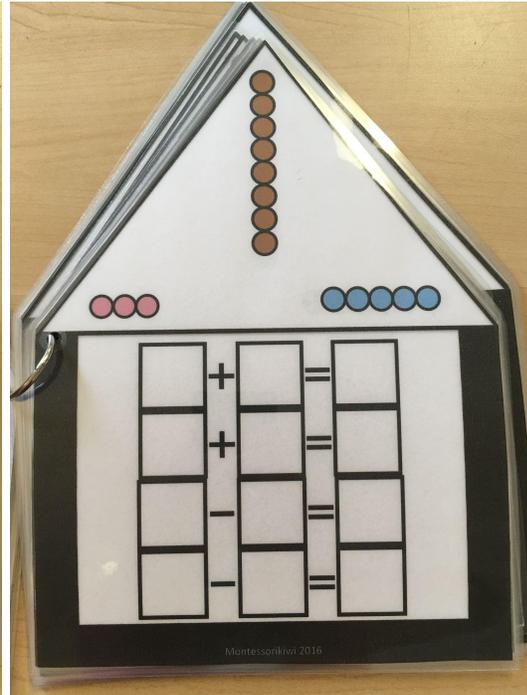
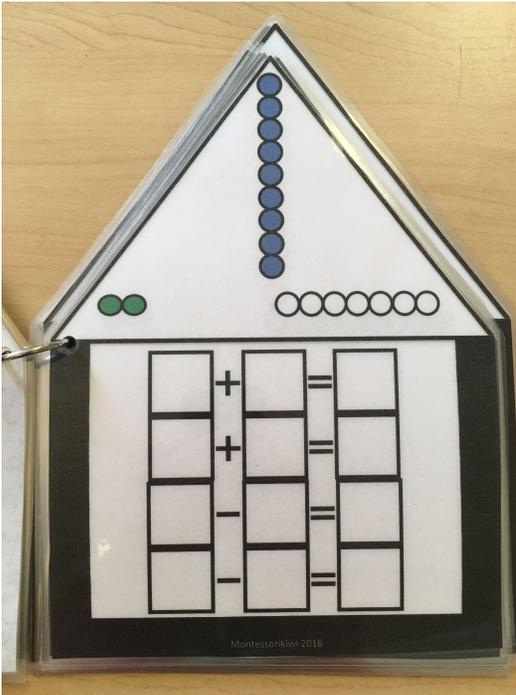
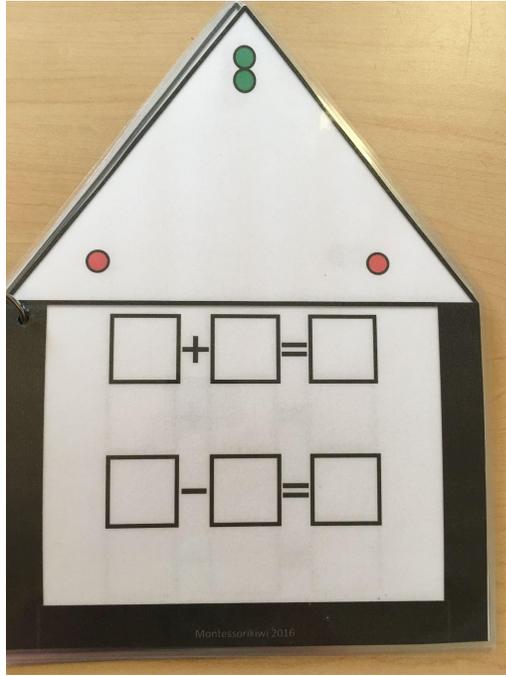
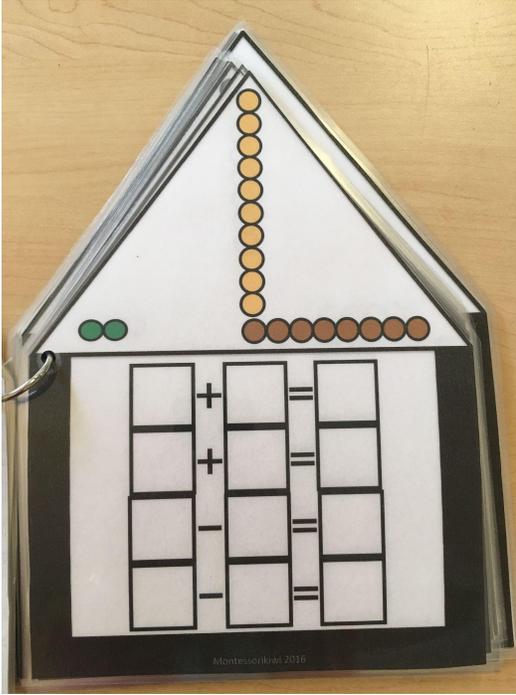
$$7 - 5 = 2$$



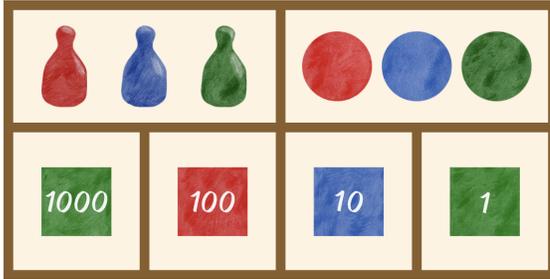
Your child can print this material onto paper to fill in or they can recreate the image by drawing it in their math booklet.







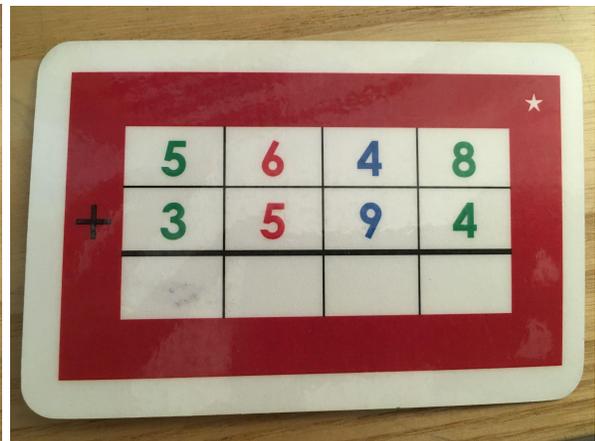
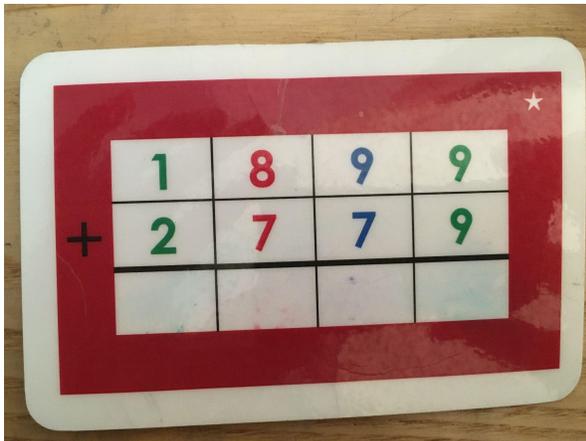
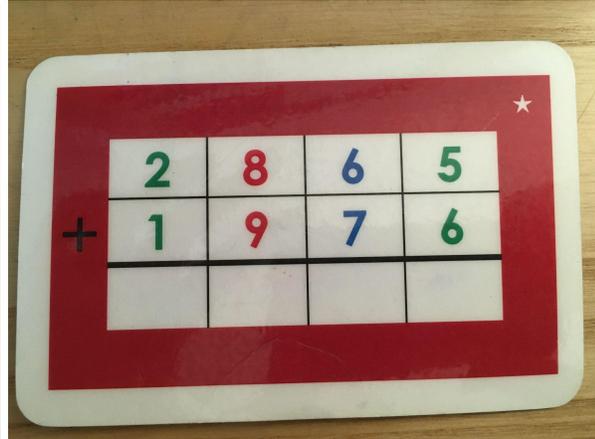
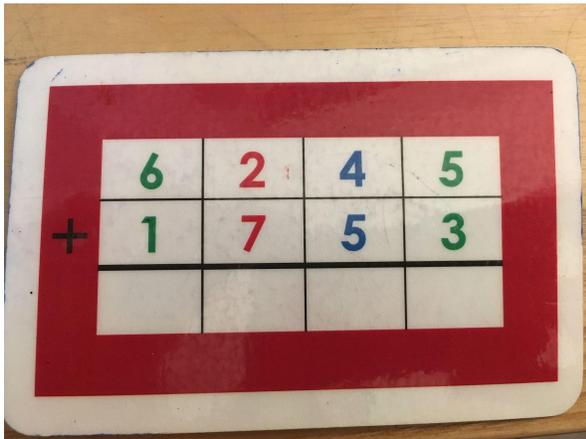
- Stamp Game



Use this digital Stamp Game to solve addition problems (see LAH lesson plan from 04/12 & 04/19 for instructions on the use of this equipment).

<https://montessori.tools/stamp-game>

Short (static) and Long (dynamic) Addition

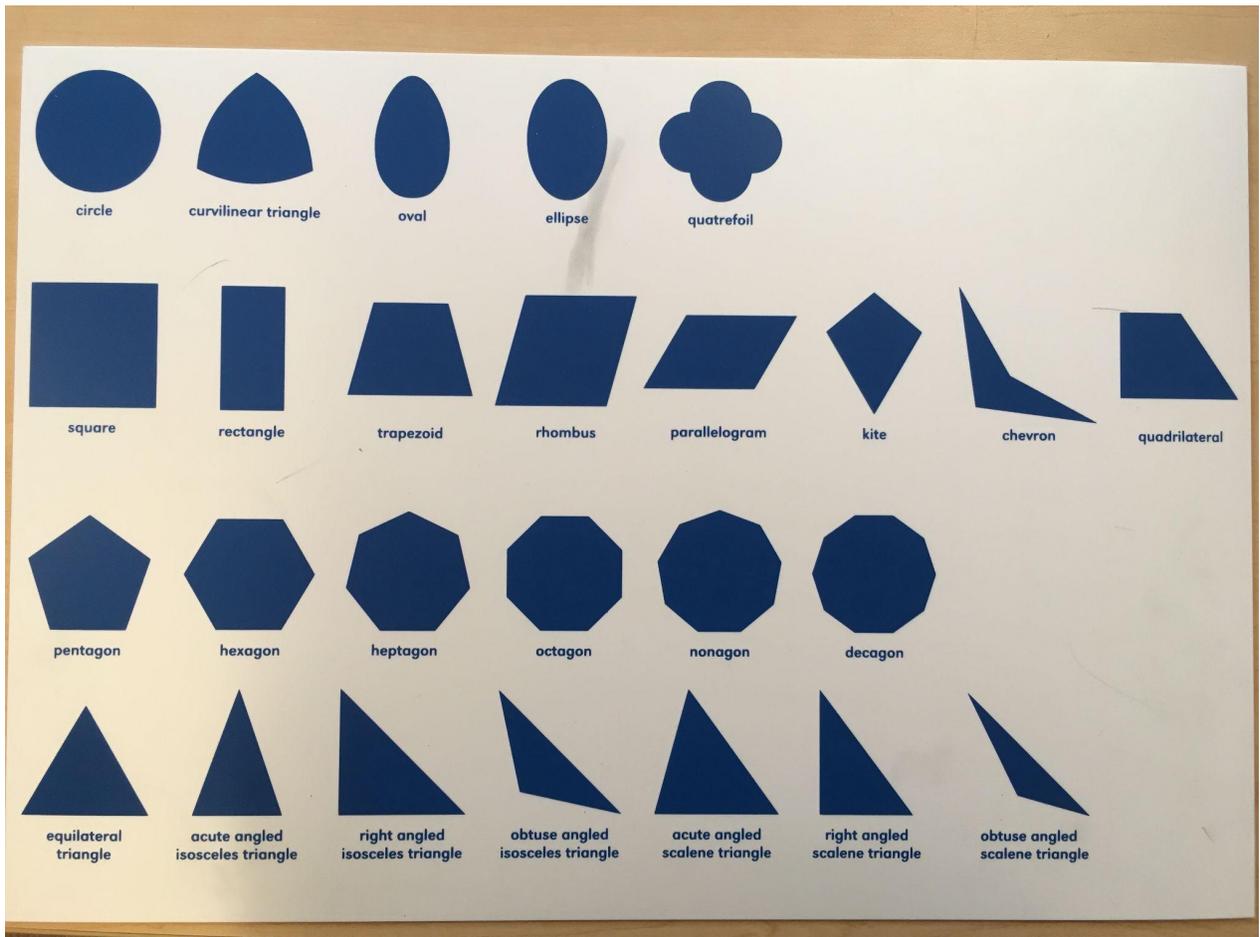


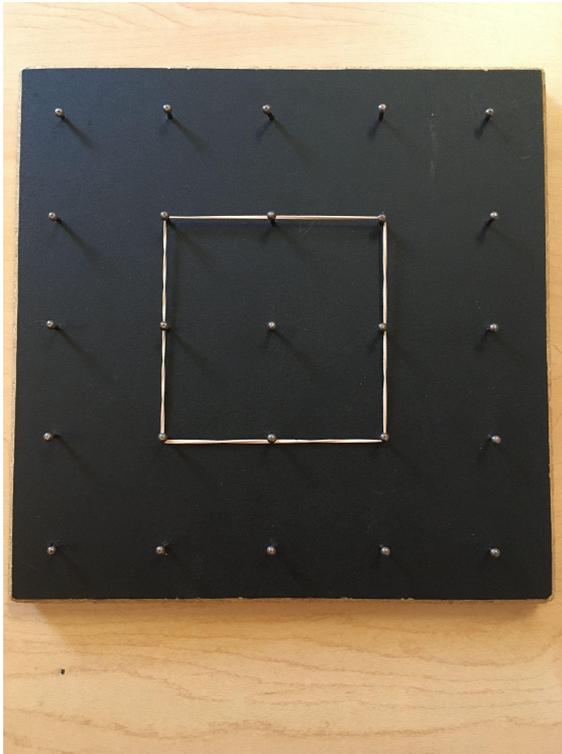
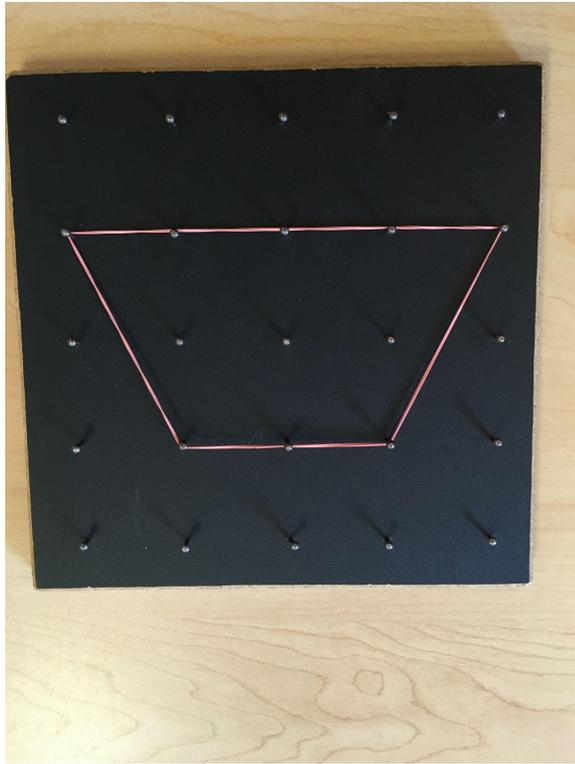
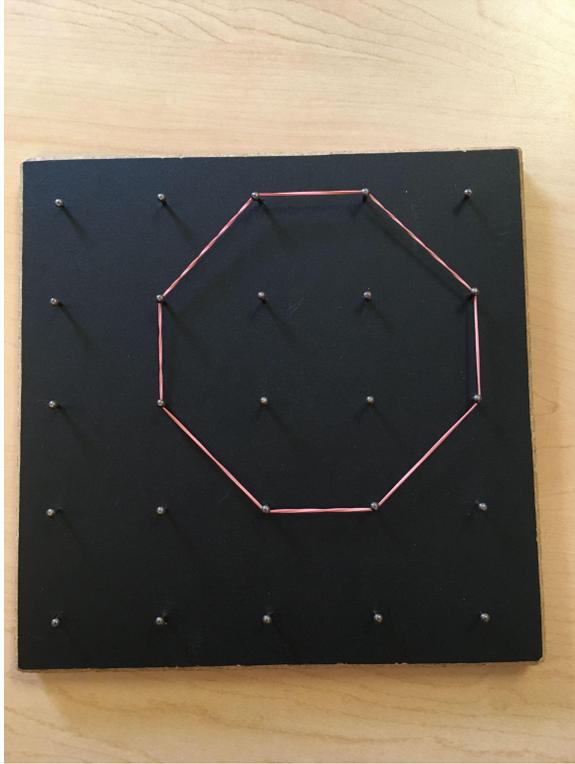
Geometry:

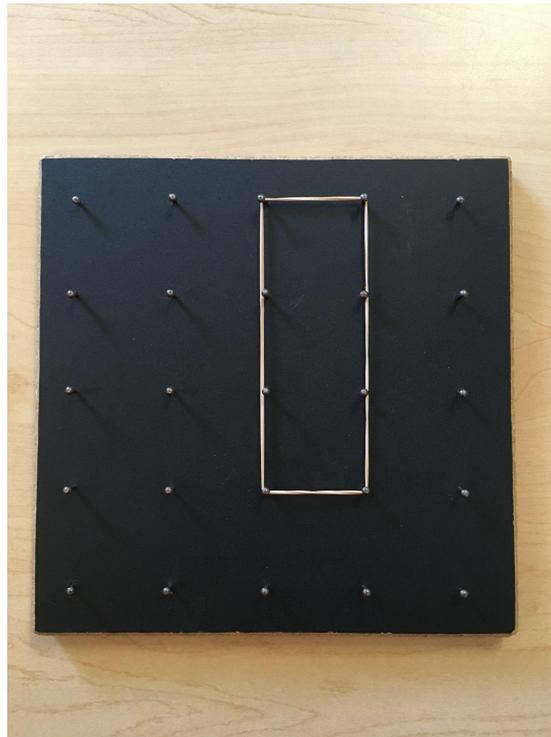
Naming geometric polygons

The last set of LAH instructions had work related to making geometric polygons onto a wood board with nails (see the LAH weeks of 04/12 - 04/19). Here your child can see some shapes which they can recreate on their board and can name/label.

The child should be naming these shapes without the aid of the geometric shape chart.









Measurement

Take out a measuring device and start to compare objects inside and outside the house!
Here are two measuring instruments, the yard/meter stick and a 12 inch ruler.



Activity:

Make a chart in your math notebook to record your measurements. The main categories will be the object name, the measurement number, and the dimension. Depending on the child's level, the measurement can be in whole numbers (so an approximate), or can be in fractions. Fractions and decimals are not the main point of the exercise. Instead the point is making a chart which includes numbers and descriptions. See the example below. Use this as an inspiration from which you and your child can create a tool that best meets their individual level and interest.



Objects in and around
my house

Object	Measurement	Adjective
stool	18 inches	tall
chairback	42 centimeters	wide
my hand	8 inches	long

Science and Culture

- **Encyclopedia Britannica**- This is an amazing resource for science and culture for inspiration on research projects. Leelanau Montessori has a subscription for you to enjoy! Login with the following:

User ID: leelanau

PW: school

[Science | Britannica LaunchPacks](#)

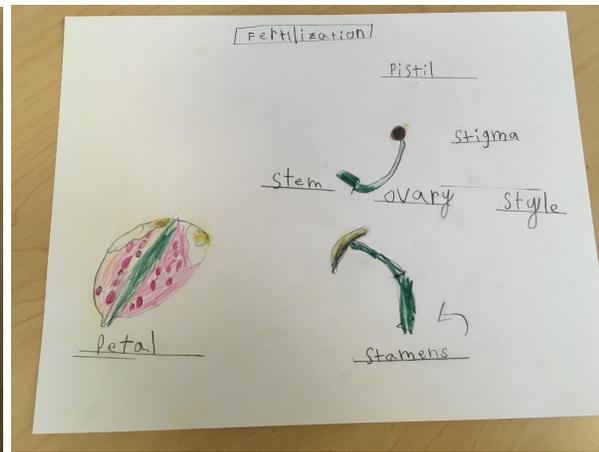
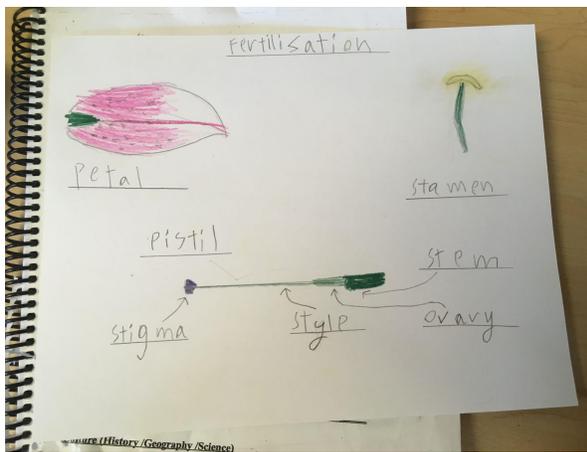
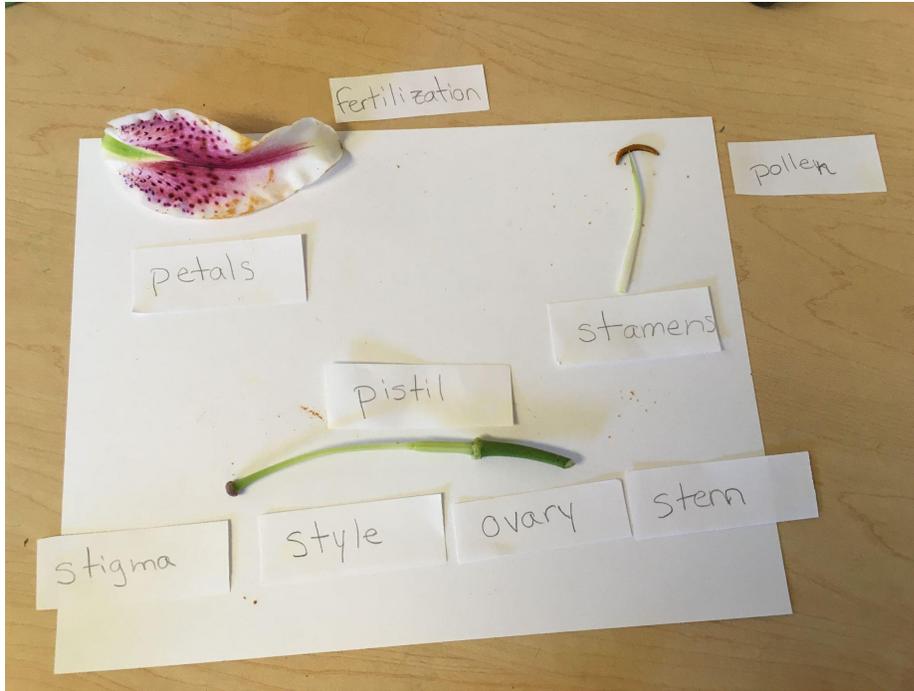
<https://packs.eb.com/science>

The Flower

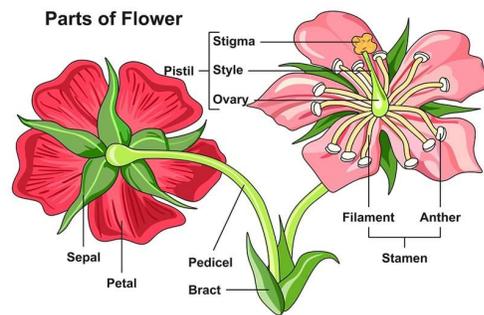
After our story of the function of the flower, we can start to look closer at the different parts of the flower. Using a lily flower, you can dissect its parts and examine the function.



Using these examples, guides, and video, dissect a flower finding the various parts.



This STEM video shows a dissection of three flowers where you can then compare/contrast the different parts of different flowers:

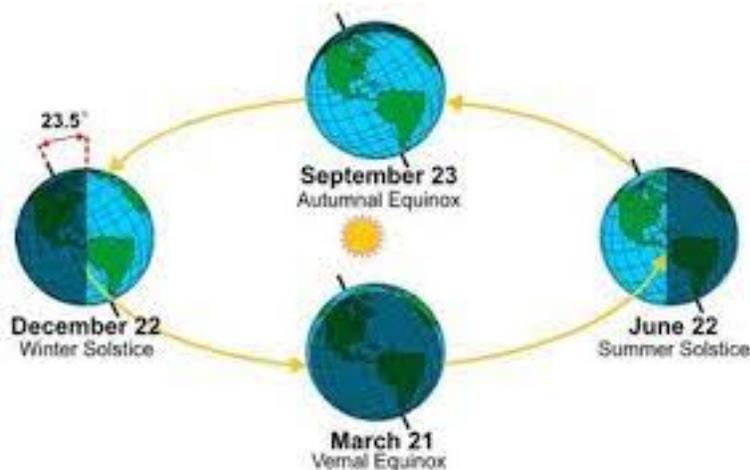


[STEM Flower Dissection](#)

Revolution of the Sun - Seasons

We are at the start of spring here in the northern hemisphere. What does this mean for the position of the earth in relation to the sun? Well, it all has to do with the earth revolving on an axis. That means the earth travels around the sun on a tilt. Revolving on an axis that is not straight up and down but on a tilt means everything when we are talking about the seasons.

In the picture below you can see that the axis doesn't change as the earth revolves around the sun, so that means the light of the sun shines more directly on the earth surface at different positions in its orbit. The earth's northern hemisphere (where we live) is tilted toward the sun more in the summer. While in the winter, the northern hemisphere is tilted away from the sun, which means we have less direct sunlight and so experience more cold.



Here's a video of a science teacher that describes the effect of the earth's axis on seasons. You can try to duplicate this activity on your own. You will need a lamp with a bare lightbulb, a globe, and a strip that has equal holes in it.



[Earth receives more direct light in the summer and less direct light in the winter](#)

Language Arts

Alphabetical Order at Home

Building on your alphabetical order work from the last set of LAH guides, find a bookshelf at home that needs organizing. Arrange the stack of books in alphabetical order according to either title, or author's last name.



Dictionary skills - Here is an activity to practice use of a dictionary. Write your answers in your Language notebook.

A photograph of a blue-bordered card with a white background, titled "Dictionary Skills 6". The card contains the following text:

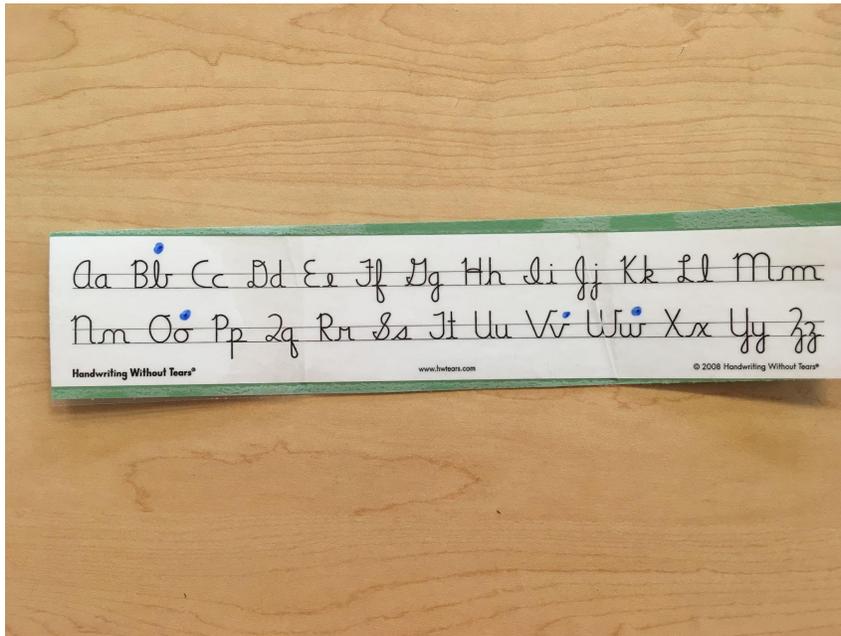
Dictionary Skills 6

1. Find these words in the dictionary and write down the meanings the way the dictionary explains them. Next, write the meaning in **YOUR OWN WORDS**. Be sure that you understand the meaning.
2. Write a sentence in which you use the word correctly. Make sure that the sentence shows that you **UNDERSTAND** the word.

Example:
Word- detest
Dictionary says- hate deeply, abhor
My own words- something which is really disliked
My sentence- I would detest if I had to eat a worm.

Words to use:
mature, kerosene, knave, debris, toboggan

Cursive Writing



This is a guide which can be used as a reference in practicing cursive writing. The four letters which have a blue dot above it are the letters which end the mark at the top, versus coming back down to the writing line.

This video is a comprehensive introduction to writing cursive. It includes writing sheets that you may or may not want to use.

[Cursive Writing Instruction](#)

It is fun to look at letter characters throughout history and cultures. Can you identify these letters? The answers can be found in the Music and Enrichment section:

S

1)

A close-up of the cursive letters 'Ct' in a black ink on a light background. The 'C' has a large loop at the top, and the 't' has a small loop at the top and a vertical stem.

2)

A blackletter letter 'B' in a dark ink on a light background. The letter is highly stylized with a large loop at the top and a vertical stem.

3)

A close-up of the cursive letters 'Gg' in a black ink on a light background. The 'G' has a large loop at the top, and the 'g' has a large loop at the top and a vertical stem.

4)

A close-up of the cursive letters 'Re' in a black ink on a light background. The 'R' has a large loop at the top, and the 'e' has a small loop at the top.

5)

A blackletter letter 'h' in a dark ink on a light background. The letter is highly stylized with a large loop at the top and a vertical stem.

6)

Now try reading these names and writing them in your Language book:



Jessica

Alex

Sarah

Parts of Speech

Preposition

Read the top phrase in the chart below. You'll notice there is a word missing. You can choose one of the single words just below the chart to fill in the phrase. After choosing a word, you can do what the phrase says (i.e., put the shoe under the table). After doing a few different phrases, you can choose one to write in your language book. Complete the other phrases.

The missing word in each phrase is a preposition. Based on your experience with these words, what do you now know about prepositions? What is their job? Can you describe a preposition? Make a definition of what a preposition is. After you make your own definition, go to the dictionary and read how it is defined there.

preposition

put the shoe	the table
drop the coin	the book
point a finger	a rug
place a child	a chair

put the shoe _____ the table

drop the coin _____ the book

point a finger _____ a rug

place a child _____ a chair

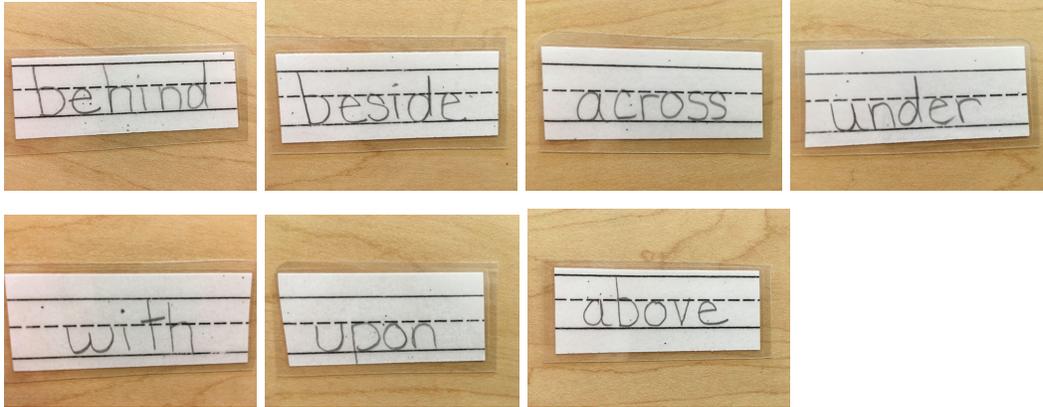
preposition

put the shoe _____ the table

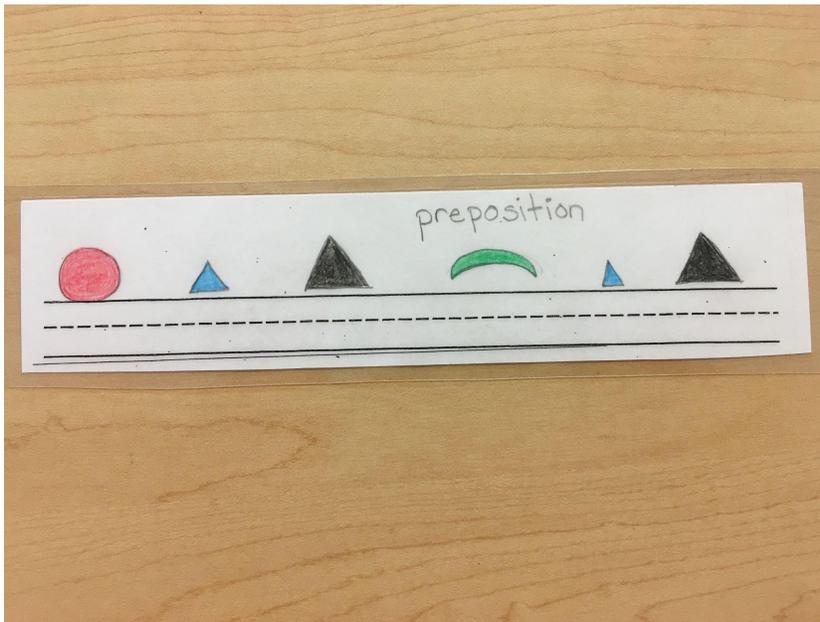
drop the coin _____ the book

point a finger _____ a rug

place a child _____ a chair



Use this guide below to make your own command phrases. This guide shows the pattern (verb, article, noun, preposition, article, noun). Have your family perform the task you wrote with your phrases. Have fun!



Movement, Music, Enrichment

Art - NASA's Art and the Cosmic Connection. Art and space meet with the beautiful medium of oil pastels. Our in-person learners will be creating works of art based off images from NASA's different explorations. Here is an amazing website with everything you need from art tutorial lessons to free downloadable images. Enjoy and share with us in the Google Classroom.

[NASA's Art & the Cosmic Connection — EUREKUS](#)

Singing - *Music Alone Shall Live*

In class we are learning this song, which can be sung in a round. It is called, 'Music Alone Shall Live'. Here are the lyrics and a video of the song being sung in a round:

All things shall perish from under the sky

Music alone shall live

Music alone shall live

Music alone shall live

Never to die

(repeat)

<https://www.youtube.com/watch?v=te-h-VQY7CA>

Cursive writing - recognizing letters

These are the answers to the cursive reading exercise from the Language section:

1 = capital and lowercase "S"

2 = capital and lowercase "T"

3 = capital "B"

4 = capital and lowercase "G"

5 = capital and lowercase "R"

6 = lowercase "h"

The names are:

Tiffany

Olivia

Viona

Jessica

Alex

Sarah