

# S.T.E.A.M LAB



Spotlight on Books 2016  
Arielle Krohn, Youth Services Librarian

SCIENCE

TECHNOLOGY

ENGINEERING

ART

MATH

# Why?



# S.T.E.A.M Lab

Our first lab was  
launched on  
September 21!







**Every Monday during the  
school year.**

**A new activity each week!**

**Younger children will need  
assistance.**

**Questions? Ask a librarian!**

**Make sure to fill out the  
participation sheet.**

**S.T.E.A.M**  
**LAB**



# S.T.E.A.M LAB

## PARTICIPATION SHEET

Date: \_\_\_\_\_

Activity: \_\_\_\_\_

Number of Children	Number of Adults

# Where do I get my ideas?

Books



[www.pinterest.com/fairylene/steam-lab/](http://www.pinterest.com/fairylene/steam-lab/)



# Cup Structures

This activity focuses on:

## Engineering & Math

### Building Challenges:

Can you build a structure with 50 cups? 100 cups?

How high can you build a structure? Use the yardstick to measure.

Can you create a shape with the craft sticks?  
(square, rectangle, triangle, pentagon, hexagon)



Can you create a bridge?

Can you make a skyscraper?

What else can you create?







# Autumn Leaves

This activity focuses on:

## Science & Art

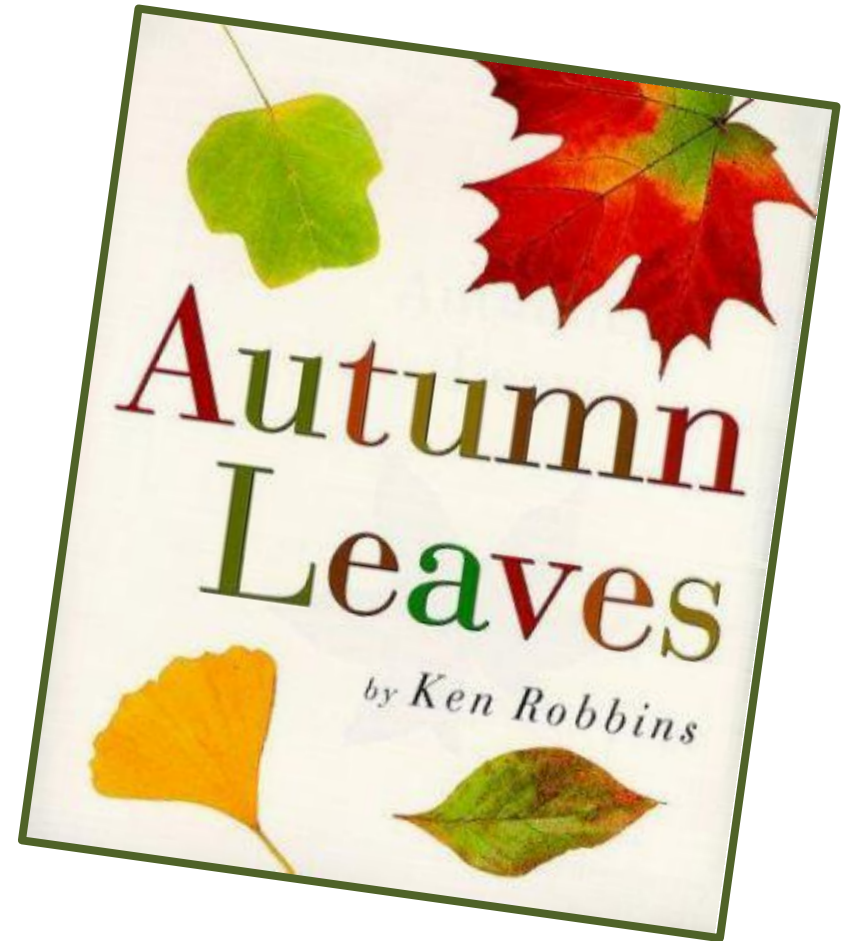
### Leaf Rubbings

- Select leaves and place underneath a sheet of paper.
- Using the side of a crayon, rub gently over the paper until leaf details appear.



### Challenges:

- How many leaves can you fit on one page?
- Using the book "Autumn Leaves" (on display @ STEAM Lab cart) can identify the parts of a leaf?





# Straw & Paper Airplanes

This activity focuses on:

## Engineering & Math



Follow the provided instructions to make an airplane out of paper and a straw.

You may take your airplane home.

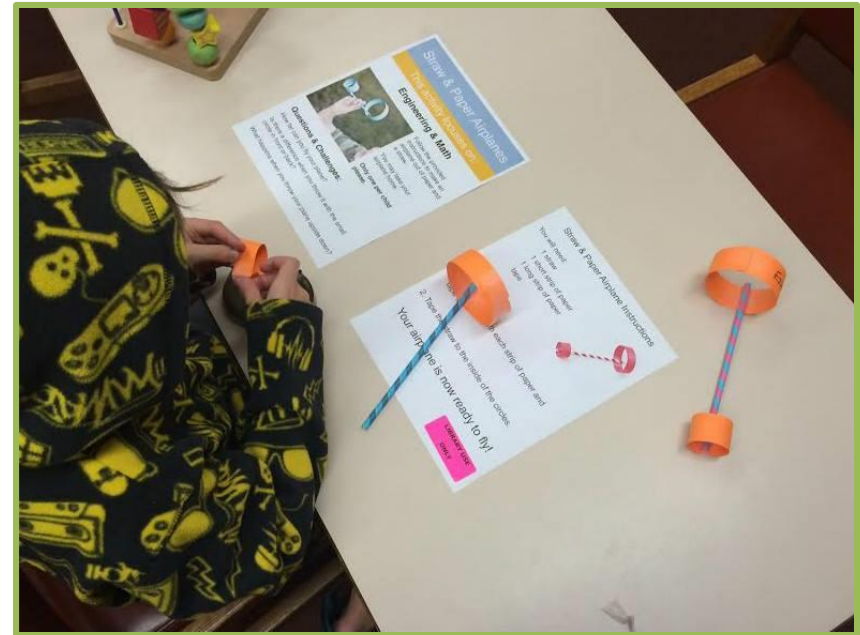
**Only one per child please.**

## Questions & Challenges:

How far can you fly your plane?

Is there a difference when you throw it with the small circle in front or back?

What happens when you throw your plane upside down?





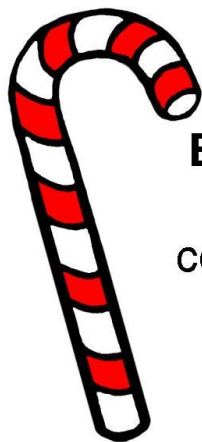
# Candy Cane Estimation

This activity focuses on:

**Math**

**Parents & Caregivers:**

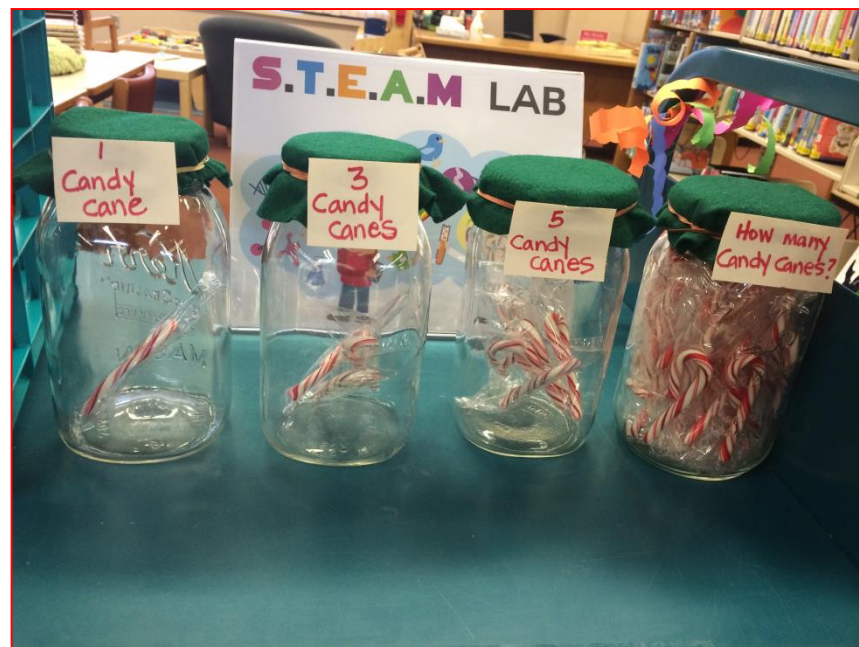
Talk to your child about estimation!

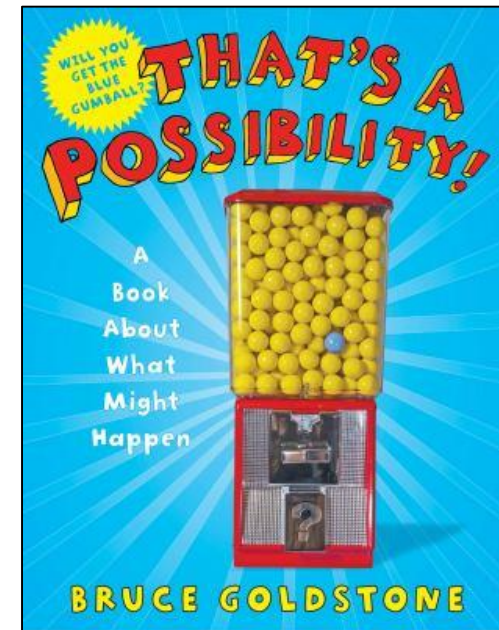
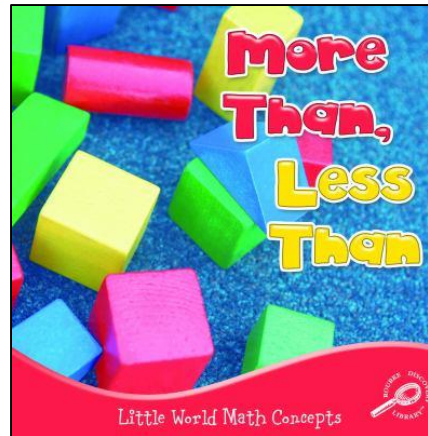
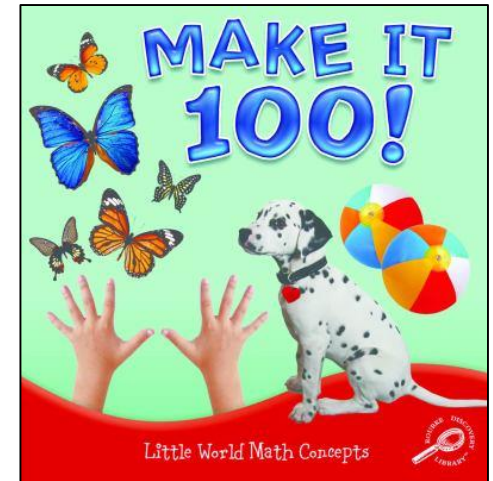
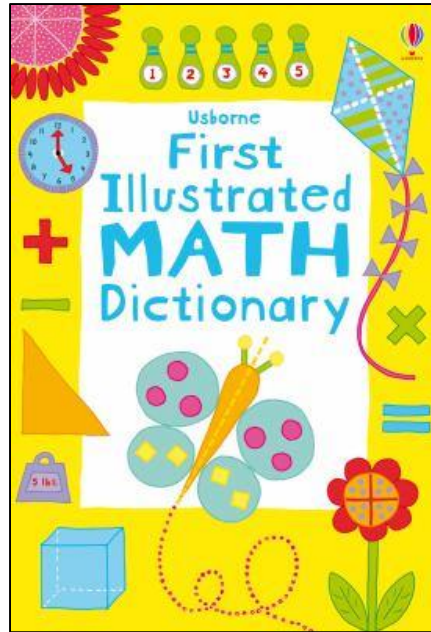


**Estimating** means taking a good guess. Instead of counting everything, you can make an estimate of an amount.



*Can you guess, or estimate, how many candy canes are in the jar? The answer is taped underneath the Kleenex box on Ms. Arielle's desk!*







# Pasta Pictures

This activity focuses on:

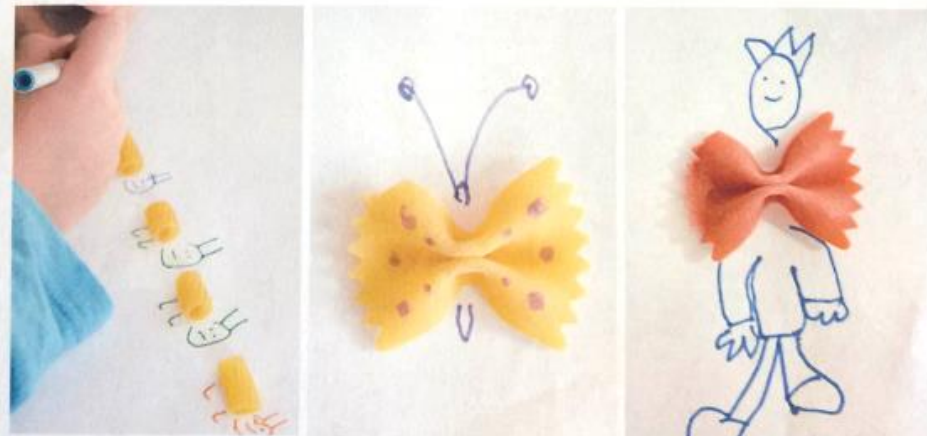
## Art

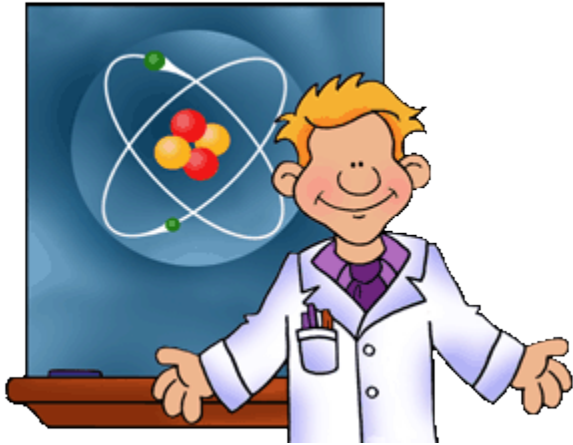
Select pasta pieces and place on a sheet of paper.

What are you inspired to draw?

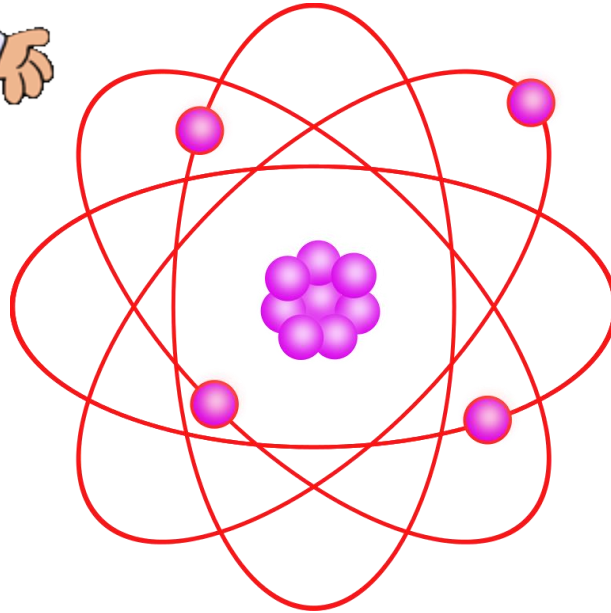
When you are finished with your creation ask Ms. Arielle or Ms. Emily to take a picture of it. We will put it up on the library's Facebook page and/or email it to you.

Please place pasta back in containers when finished and place paper in recycling box or take home. Thank you.





Positives



Negatives





Snailed it

