

# Makerspace Activities

TIPS FOR ACTIVITIES FOR SCHOOL CLOSURE IN MARCH 2020

## ANIMAL HABITATS

All students love animals. The older students understand the different habitats on our planet; desert, wetlands, forest, ocean, arctic, grassland, rainy forest/jungle. Ask your child to build a home for an animal that provides food, shelter, space and water.



## FORT BUILDING

Every age knows how to build a structure using rolled newspaper tubes. Roll 3 pieces of newspaper starting at the corner going diagonally. Placing one piece of tape at the end will prevent it from unfurling. The tighter you roll the tube, the stronger it will be. See below for explanation on how to make tubes.

## USEFUL BUILDING SUPPLIES

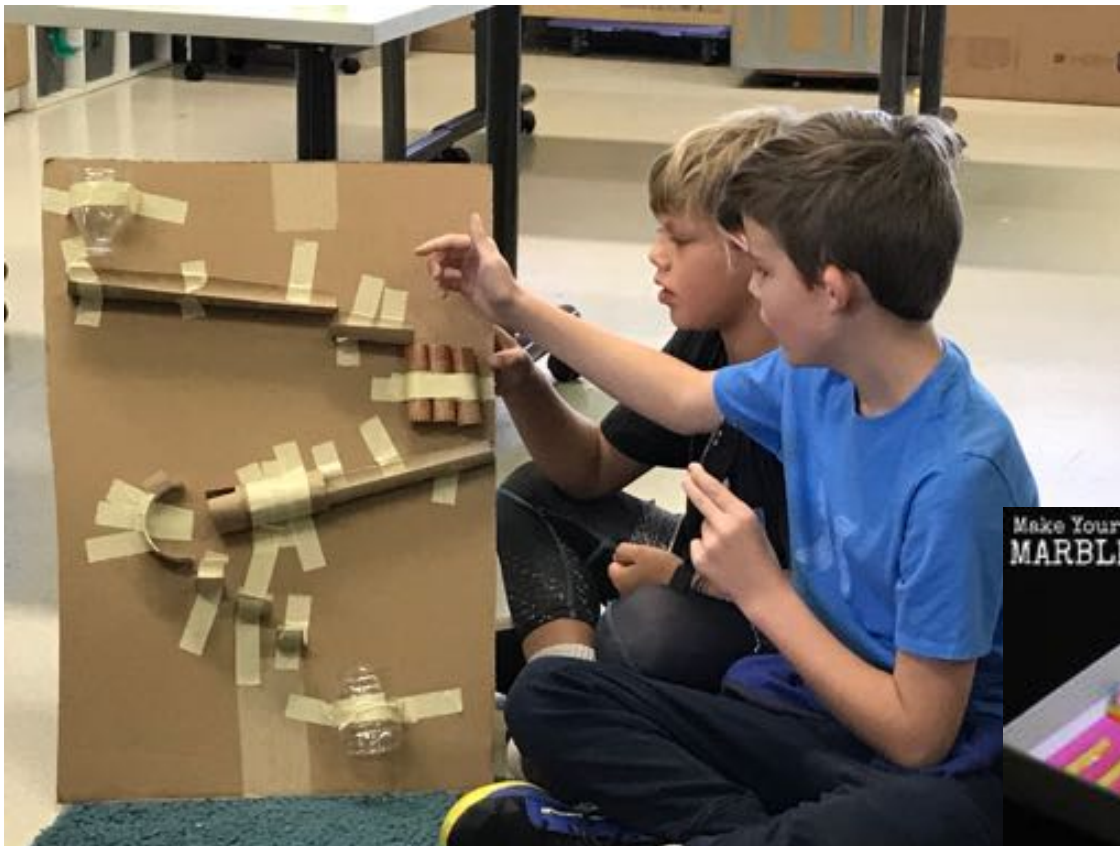
- Egg Cartons
- TP Rolls
- Corks
- Newspapers
- Bottle Caps
- Cereal Boxes
- Paper
- Cans



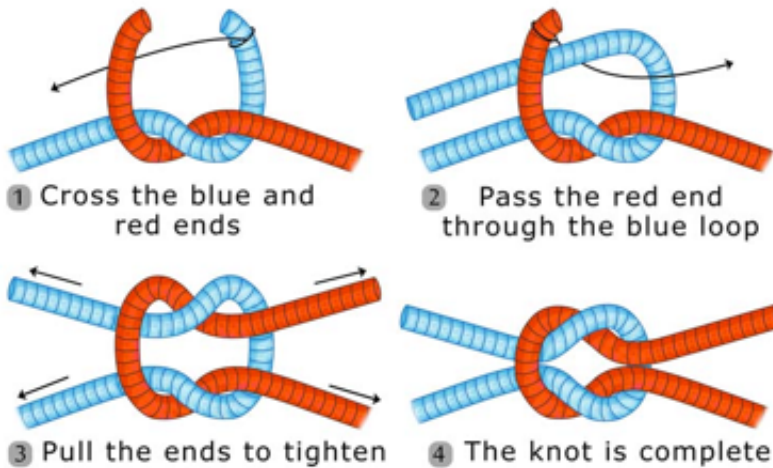
Need a Laugh? [Check out this marble run](#)

# Makerspace

TIPS FOR ACTIVITIES FOR SCHOOL CLOSURE IN MARCH 2020



## Square (Reef) Knot Instructions



**SQUARE KNOTS**  
Teach your child  
life skills like tying  
a square knot.



**DIY STRAW ROCKETS FOR KIDS**  
with free straw rocket template!



## STRAW ROCKETS

[buggyandbuddy.com/straw-rockets-with-free-rocket-template/](http://buggyandbuddy.com/straw-rockets-with-free-rocket-template/)

**Makerspace website:** <http://gvmakerspace.weebly.com>



The Best  
Homemade  
Playdough



Still need a **LAUGH** <https://www.youtube.com/watch?v=nORRgU8sGdE>  
Hopefully you won't have this much free time!



*Just strips of paper can make wonderful things!*



## Make instruments from recyclable items.



All Ages

## Musical Instruments

## Bird Feeders

4th & 5th Graders

## Circuit Lantern



**Tin foil ski dudes**



## CHAIN REACTION for all ages, Rube Goldberg,

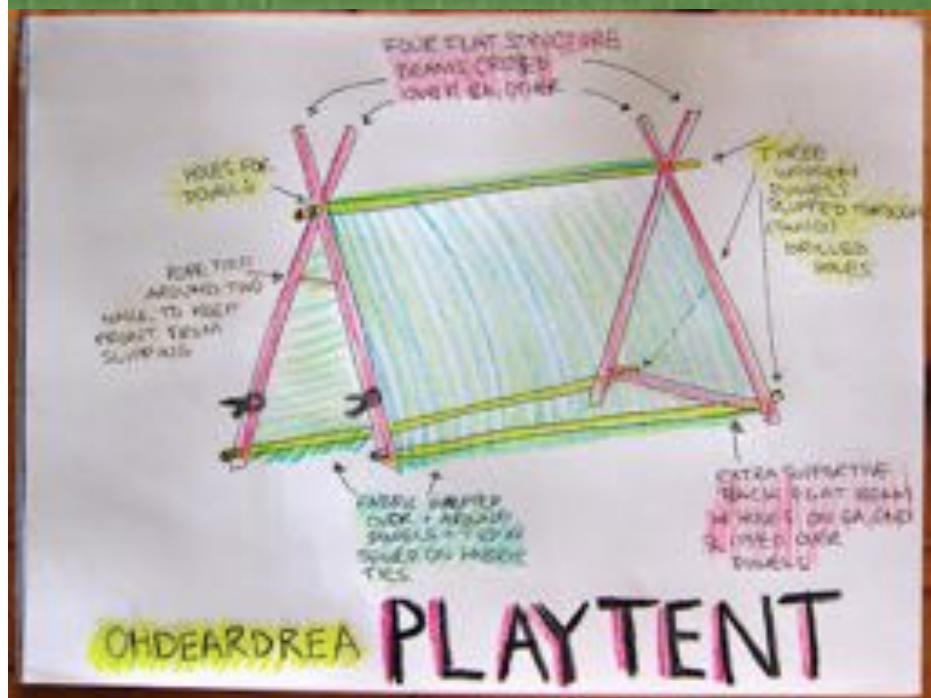
[https://www.youtube.com/watch?v=863z\\_eHGIJw](https://www.youtube.com/watch?v=863z_eHGIJw)

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

Ask your child to build a tower or bridge using an attachment technique called the “flange”.



**There are never  
enough FORTS  
Try building a  
Rocket Fort**



**Ask your child to  
design on paper, plan the materials  
and build like we do in the  
Makerspace Classroom.**





For inspiration  
Check out:  
Brain Pop Jr.  
Magic School Bus  
Design Squad



Electric cardboard cutter for adults, cardboard scissors for students, low temp glue gun



Paper cutter, tape dispensers, power punch

**Supply list for an at-home makerspace:**  
tape, glue, colored paper, card-stock, pencils,  
paperclips, brads, craft sticks, hole punch,  
cardboard, play-doh, low temp glue gun, legos,  
yarn, pipe cleaners, cereal boxes, TP rolls, paper  
towel rolls, metal lids, containers, berry cartons,  
take out cartons...

#### **Purchases:**

Makey-Makey, low temp hot glue guns, cardboard  
scissors, electronic cardboard scissors for adults.

**One more LAUGH  
Caine's Arcade, a  
youtube sensation!**



# NEWSPAPER TUBES



Spread out 2 double pages of the newspaper  
(1 page works, but is not as strong)



Fold over a corner



Turn over the smallest fold you can and  
press it flat



Continue to roll and press as tightly as you  
can for 15 rolls. Don't let go!  
Your roll will loosen if you do



When you are halfway across the paper,  
you can use your palms to make your rolling  
faster.  
Don't let go whatever you do!



Keep rolling until you reach the other side



Use a small piece of tape to stick the last  
corner down



Find the weakest point at the ends of the  
roll by bending up the ends



Break off the ends at the weak point



## Attaching...





## **RESOURCES for PARENTS to keep students busy *making*!**

### **PBS**

<https://pbskids.org>

### **Frugal for Fun**

<https://frugalfun4boys.com/>

### **Design Squad**

<https://pbskids.org/designsquad>

### **OK Go Sandbox**

<https://okgosandbox.org/>

### **Little Bins for Little Hands**

<https://littlebinsforlittlehands.com/stem-activities-vacation-ideas-kids/>

### **The STEM Laboratory**

<https://thestemlaboratory.com/stem-activities-for-kids/>

### **Science Bob**

<https://sciencebob.com/category/experiments/>

### **Pinterest Boards**

<https://www.pinterest.com/cathyhobart/>

### **Exploratorium**

<https://www.exploratorium.edu/explore/activities>

### **Grandad**

<https://www.youtube.com/channel/UCCDUFabVc3g52M0t77JwSBA>

## **Smart toys to purchase;**

### **Monthly packages:**

<https://www.kiwico.com/tinker>

### **The Best ten Items:**

<https://www.thespruce.com/best-science-toys-4150533>

### **Fat Brain Toys:**

<https://www.fatbraintoys.com>