

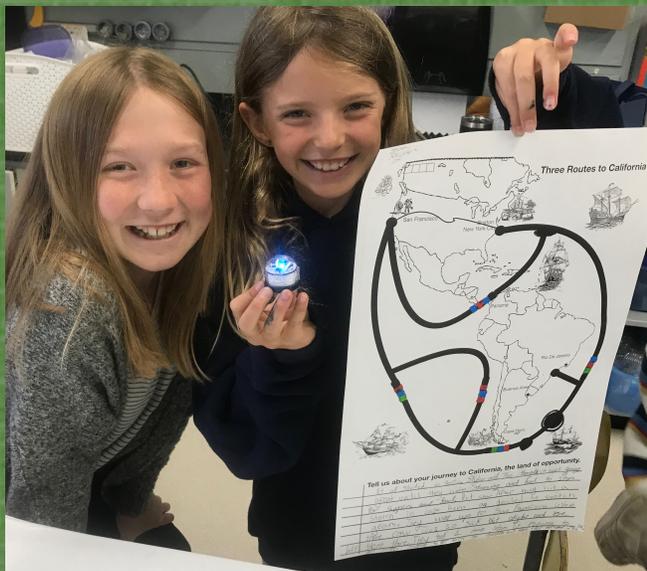
Makerspace Activities

MAY 2019

TIPS FOR SUMMER ACTIVITIES

MAGNET FUN

The 5th graders experimented with magnetic fields, attraction / repulsion. Build a soccer field or race track and control the ball or the car from the other side of the cardboard.



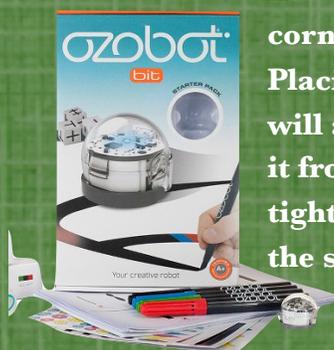
CODING

The 4th graders programed Ozobots to take the gold rush journey to California.



FORT BUILDING

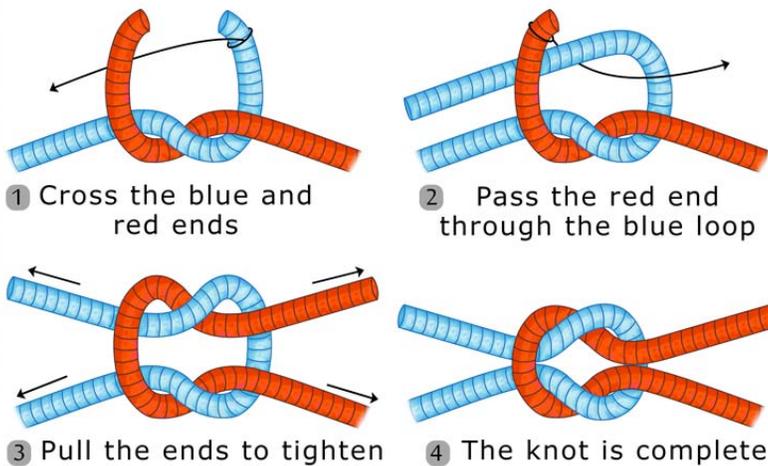
Every grade knows how to build with newspaper tubes. Just roll 3 pieces of newspaper starting at the corner going diagonally. Placing one piece of tape will at the end will prevent it from unfurling. The tighter you roll the tube, the stronger it will be.



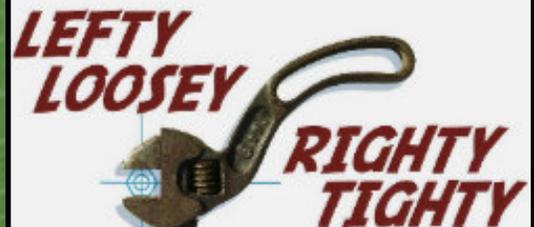
<http://gvmakerspace.weebly.com>

Check out our Makerspace Website for more ideas and resources.

Square (Reef) Knot Instructions



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



Makerspace 2019-2020

Please consider collecting these items over the summer.

Everyday Recyclables

Green berry baskets
TP rolls
Paper towel rolls
Kids cereal boxes
Wine corks
Beer caps
Squishy water bottles
Sets only: food containers
Plastic and metal lids
Kleenex boxes

Other Recyclables

Large moving boxes
Shoe boxes
Grocery prepared food trays and lids
pant hangers from the dry cleaner
cardboard tubes
huge spinach plastic containers
Sets of anything different, cocktail picks, coffee pods, leftover paper products
Wooden Skewers, chopsticks, dowels etc

Specialty odds and ends

Magnets
Scrap booking leftovers
White floral sand
Ribbons
Decorative Duct Tape
painters stirring sticks
wooden dowels
craft leftovers; stickers, crayons etc
old encyclopedias or National geograph magazines
11"X17" copy paper
waterproof drop cloth, beige or white
nuts, bolts, washers, small hack saw
burlap or other loose weave fabric

No thank you to the following recyclables: food containers unless you have a dozen of the same container, egg cartons, milk containers, juice bottles, food containers or anything glass. All donated recyclables must be thoroughly cleaned. Thank You

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.fatbraintoy.com>



Grand View Makerspace new and improved website: <http://gvmakerspace.weebly.com>

The best gift is learning with out fear of failure.



1st Graders made instruments from recyclable items.

SIMPLE PROJECTS FOR THE HOME

Bird Feeders, <https://www.youtube.com/watch?v=iKcbku0E0sM>
<https://www.youtube.com/watch?v=MbQsvRuXakM>

Circuit Lantern, <https://www.youtube.com/watch?v=bZgMBkNCf80>

Rube Goldberg, https://www.youtube.com/watch?v=863z_eHGIJw
<https://www.youtube.com/watch?v=xHrYypDKXTc>

*Thank you
 Grand View PTA
 for your financial
 support of Makerspace.*

<https://www.instructables.com/id/Create-a-Maker-Space-for-Kids/>
<https://www.modrobotics.com/2017/11/29/creating-a-makerspace-at-home/>

Youtube videos Picks of the week:

Jelle's Marble Runs

<https://www.youtube.com/watch?v=E0QAr6fa8Hw>

Rube Goldberg:

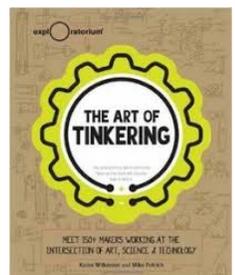
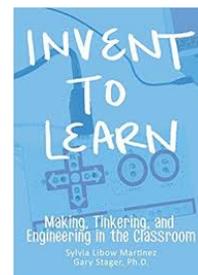
https://www.youtube.com/watch?v=863z_eHGIJw

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

Looking for a camp for over the winter break?

reDiscover

<http://rediscovercenter.org/individuals-and-families-programs/classes-camps/>.



Check out these books



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.

HAWTHORNE HIGH SCHOOL PRESENTS
THE 5TH ANNUAL
SOUTH BAY SCHOOL
MAKER FAIRE
 SATURDAY, MAY 4TH, 2019

10AM - 1PM AT HAWTHORNE HIGH SCHOOL OF MANUFACTURING & ENGINEERING

One-Day Family Friendly Event with Demonstrations and Hands-on Workshops

•CELEBRATING•
 SCIENCE & ENGINEERING · ARTS & CRAFTS · DIY · ROBOTICS
 INNOVATION · 3D PRINTING · AND MORE...

