

Bookmark instruction: Print this paper and cut the bookmark along the dotted line. When you're finished cutting, feel free to color in the bookmarks!

Reflection

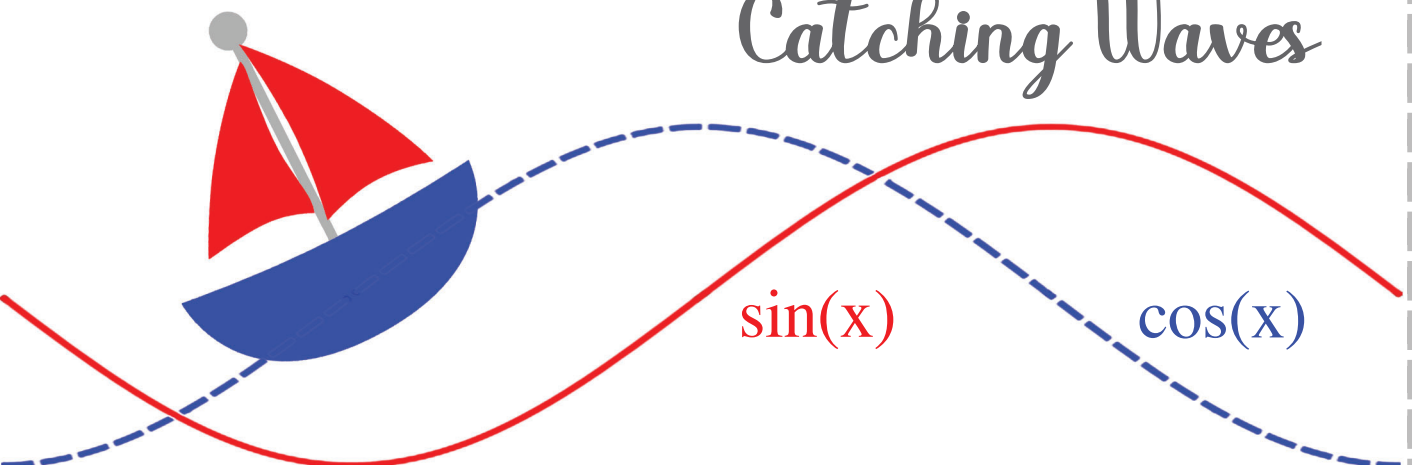
reflects light
like the moon
at night.

The moon is a
mirror of the
sun, big and
bright!

Refraction

bends the light
from one thing
to another,
The light
changes
direction from
air into water.

Catching Waves

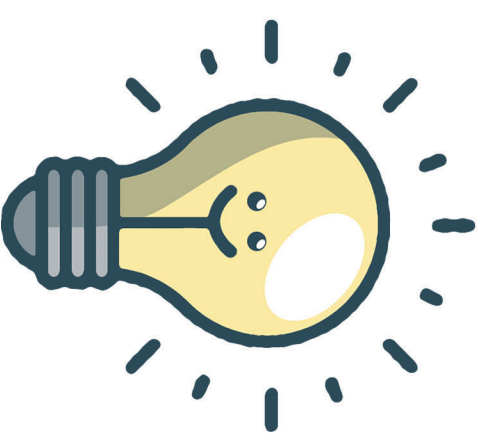


I attended
Super STEM
Saturday
2021 and
got this cool
bookmark!!



Hold this

bookmark up
to a light.



Is it

transparent,

translucent,

or opaque?

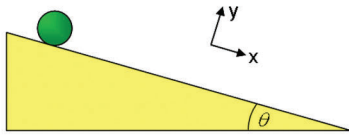


Physics Scavenger Hunt

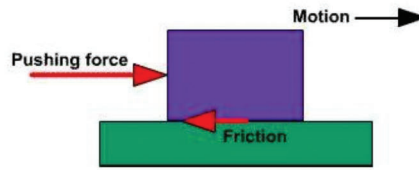


Objective: Find the object that fits the description in each box. Once all the objects have been found, try out the Bonus activity at the end! Have fun!

Purpose: The purpose of the scavenger hunt is to recognize objects by their physical properties. The Bonus activity is a chance for you to use your creativity and figure out the best way to create a tower or bridge out of the items you found.



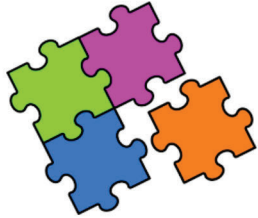
■ Something that rolls when you push it



■ Something that slides when you push it



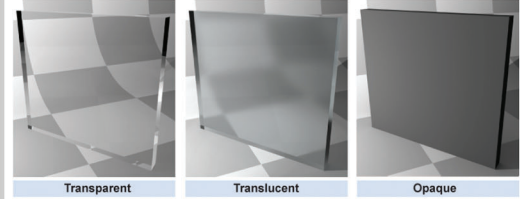
■ Something that emits light



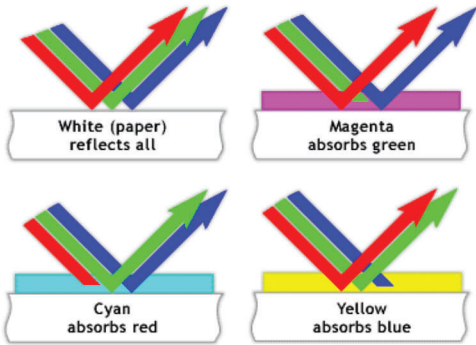
■ Something that links together (like a puzzle or lego)



■ Something that can melt in your hands



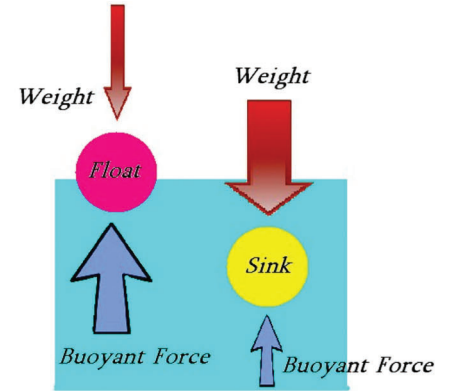
■ Something that is opaque
■ Something that is translucent
■ Something that is transparent



■ Something that absorbs all the colors of the rainbow except for red
■ Something that reflects all colors



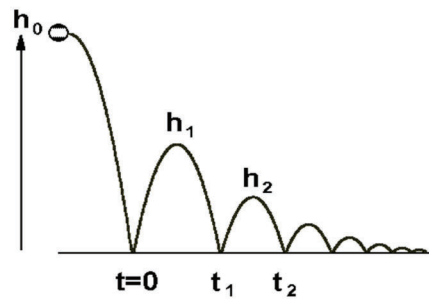
■ Something that can clip or stick object together (grab a bunch)



■ Two things that can float in water
■ Two things that can sink in water



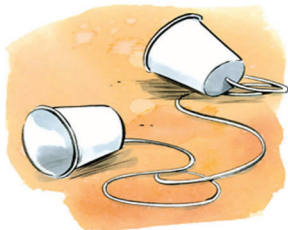
■ Something that can shock you (like balloon)



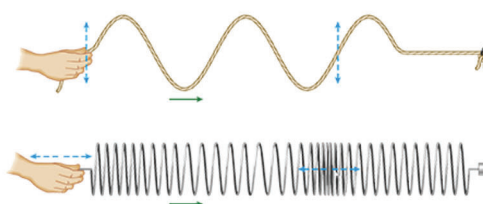
■ Something that can bounce



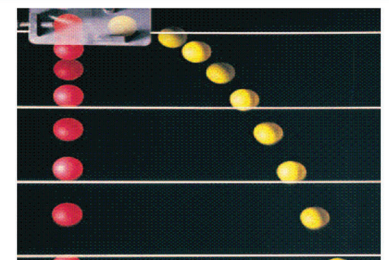
■ Something that acts like a spring



■ Something that can make sound travel



■ Something that can create a wave (a string can make a wave)



■ Two things that fall at the same acceleration