

Be an engineer, a scientist, or create a disguise. Observe the world and you will see how the universe works in perfect harmony!

My Summer Bucket List

- ★ Plant seeds in a window greenhouse. Record how much the seedlings grow each day.
- ★ Use the SciJournal app to collect data. How much light (luminosity) does your bedroom window get in the morning, noon, and evening?
- ★ Built a wind-proof shelter out of sticks and leaves. Test it with a fan or real wind.
- ★ Cook s'mores using a solar oven.
- ★ Make a compass by rubbing a paperclip on a magnet (in one direction) and placing it on something small floating in a bowl of water (cork slice, foam, etc.). Use it to go on a treasure hunt.
- ★ Make a sun dial!
- ★ Build a wind powered car.
- ★ Create a scavenger hunt using science and engineering characteristics (eg. "Something that gets energy from the Sun", or "a lever").
- ★ Cook a meal, double the recipe to bring to a neighbor or friend.
- ★ Find as many geometric shapes in nature as you can. Design a new flower!
- ★ Make different shaped bubble wands out of pipe cleaners. Which shape blows the best bubbles?
- ★ Use the iNaturalist app to learn about a new plant or creature and share it with the scientific community.
- ★ Learn a new skill (eg. Sewing, fishing, cooking, calligraphy, etc.) Write a song about how something works.
- ★ Make a list of questions you have about the world and make a plan to discover the answers!

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Summer STEAM BUCKET



make your own
bubbles

build a
solar oven
to cook
hot dogs &
marshmallows

plan a
FANTASY
VACATION

BUILD A FORT

track and graph
the temperature

build a MARBLE RUN

TAKE
& EDIT
PHOTOS

track your
EXERCISE

create
SUN ART

mail a
letter

design a new
musical
instrument

MAKE
play dough

host a
SUMMER
TOURNAMENT

engineer a new
WATER PARK RIDE

EARN
SOME
MONEY

learn to
CODE

create a
SCULPTURE
USING ONLY
RECYCLED MATERIALS

observe the
NIGHT SKY

spend
some
CASH

USE A MAP

make a sundial

WRITE & PERFORM A PLAY

determine the best
paper airplane
design

plant a
GARDEN

COOK
a fun recipe
& DOUBLE it

make
SCRATCH-
BOARD
art

try reading
a new genre

go on a
NATURE HIKE

MAKE A
treasure map

LEARN TO COUNT
in a
NEW LANGUAGE