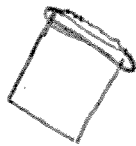




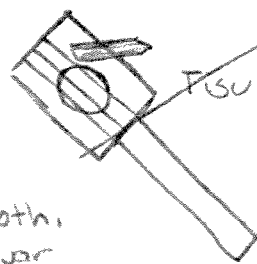
Baby Pin

Wood, baby pin



tin can, balloon

Tin Can bongo



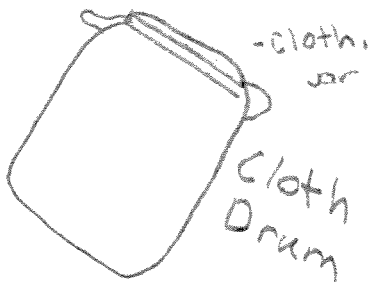
Tissue Guitar



Drop

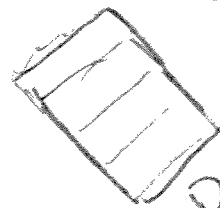
Gong

rock, string, stick
bucket

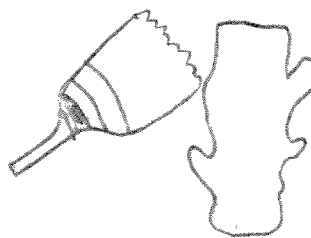


-cloth,
var

Cloth
Drum

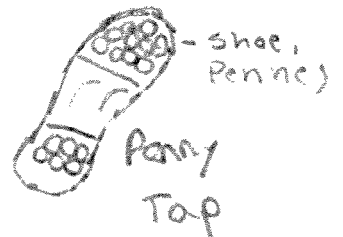


Duct Drum



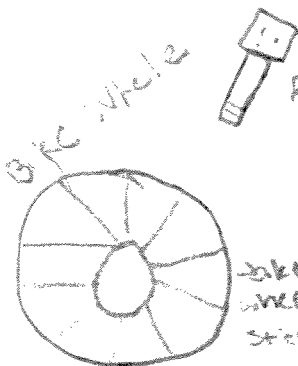
-log, broom

Sweep log



-shoe,
Penny

Penny
Top



Bike Wheel



Pencil Banger



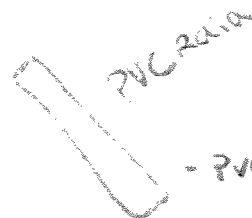
Pie
Gong

-bike
wheel,
stick



Pot triangle

-flower pot, stick, handle



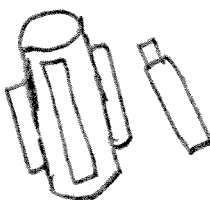
PVC rain

-PVC, beads



-botten, carboard

Tapper



-Log, PVC

Logger



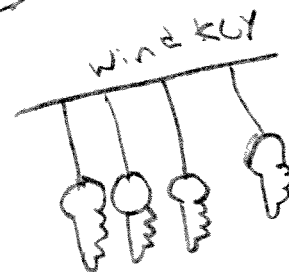
Coffee Pop

-mug, balloon

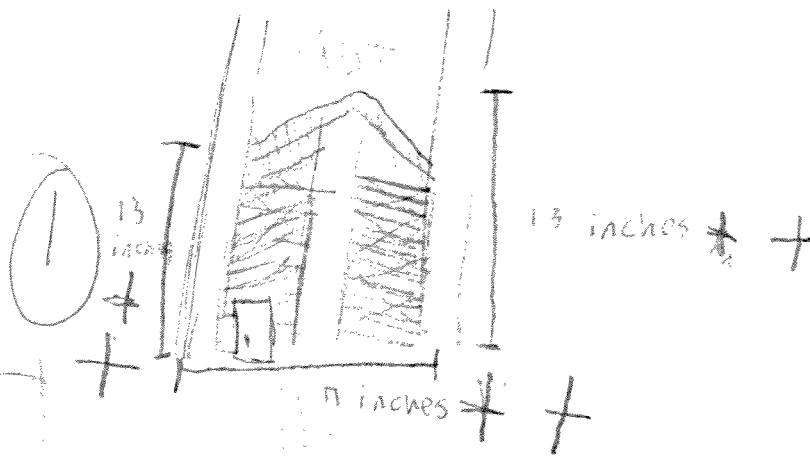


Rattle

bottle cap,
pf

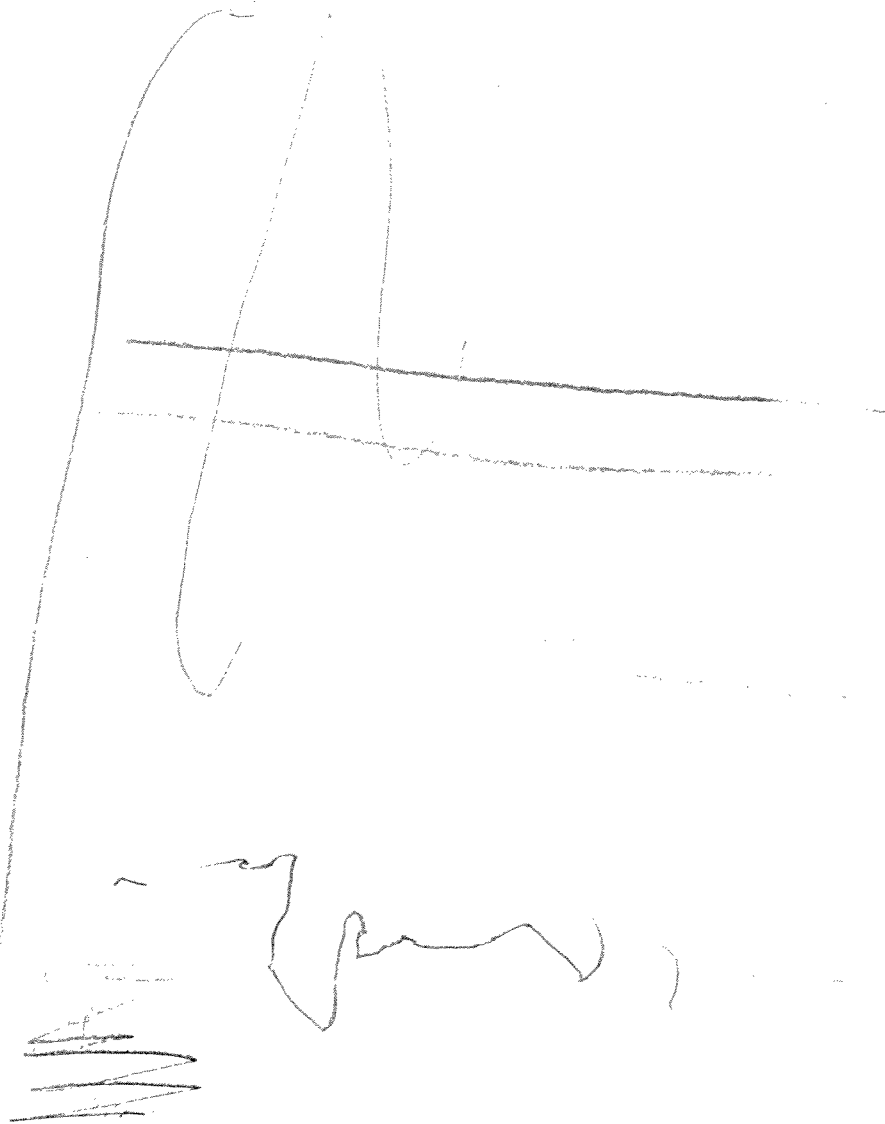


Wind Key



materials

- wood
- metal
- paintbrushes
- glass
- sticks
- rocks
- rubber band
- copper
- pins
- plastic
- aluminum-gang
- stone
- latwood
- old pipe
- metal barrel
- cylinder cap
- seeds
- string
- xylophone
- rainstick



How could we create an outdoor classroom?

Kind John B. Henry Math

Elements of sound

- 1) pitch
- 2) volume
- 3) duration
- 4) timbre

Wooden Xylophone

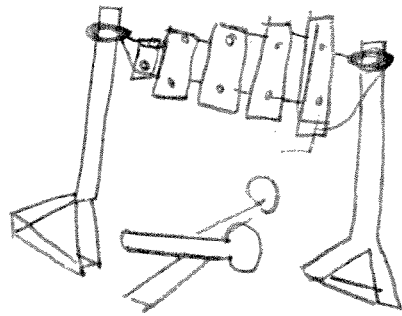
Supplies: • wooden planks (of different sizes)
• string • nails • wooden rods and balls

pitch - all

volume - decently loud

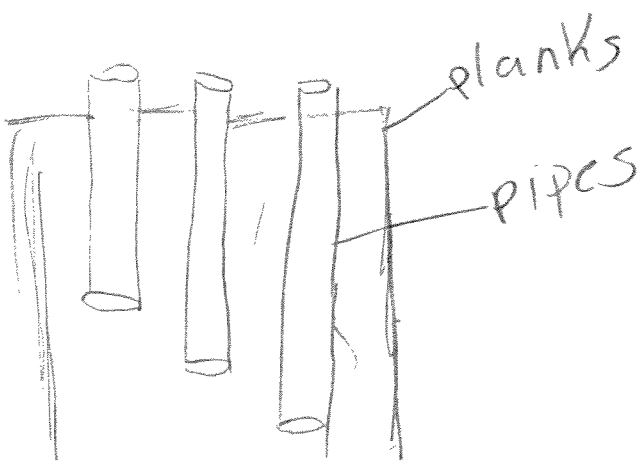
timbre - wood sound

duration - for each hit, the
sound lasts 3 sec.



PBC Pipe Xylophone

- materials: PBC pipes, Gorilla Glue, wood planks
- pitch: multiple pitches for instrument
- timbre: hollow, light sound
- duration: short, quick beats
- volume: depends how hard you hit with mallet



Outdoor Drums

- materials: Bucket = no bottom, Animal skin top - rope
- pitch:
- timbre:
- volume:
- duration:

Wind Chimes -

Materials: string, tree, milk jugs, water

Steps:

- ① open the cap of your milk jugs
 - ② pour different amounts of water in each milk jug
 - ③ put the cap back on
 - ④ tie 2 pieces of string to each milk jug
 - ⑤ ask an adult to tie the milk jugs to a tree nearby
-

How to Make a Wooden xylophone:
materials - wood, string, tree, and bolts, driller

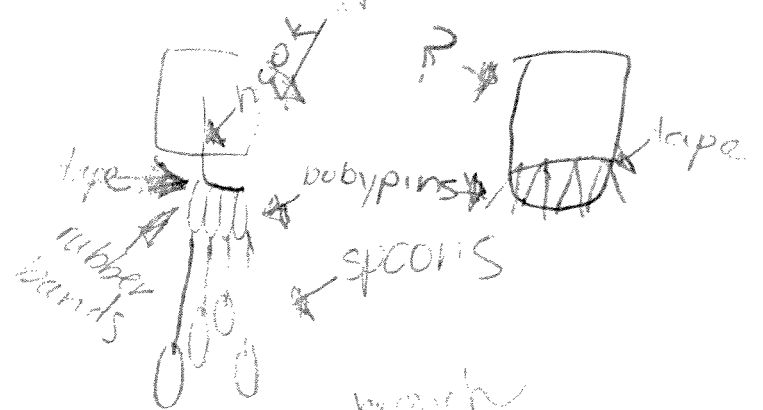
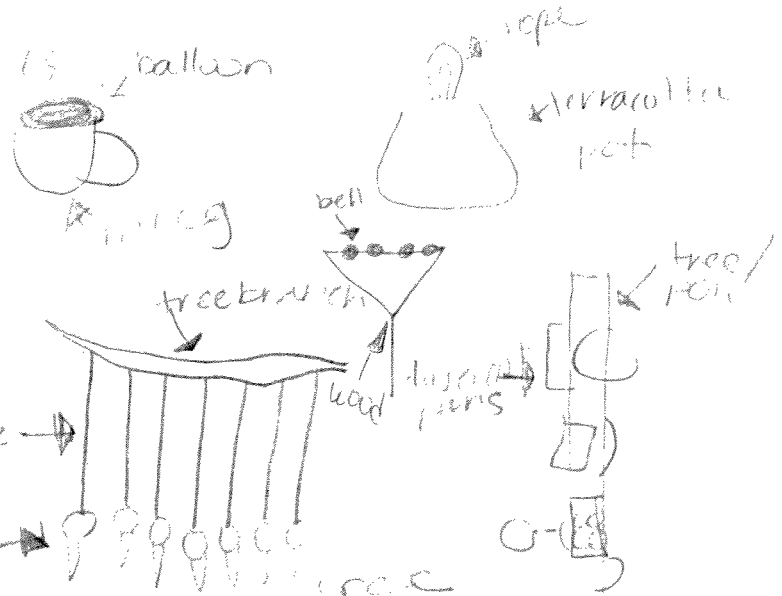
- ① First, cut 10 pieces of different sized wood
- ② ask a parent to use a driller to drill the bolts through the wood and tree

Elements of Sound

- 1 Pitch
- 2 Timbre
- 3 Duration
- 4 Volume

loud - strong
soft - weak

Coco krills
jellyfish
pinch drum
bell
wind chime



wall frame
pencil tips

