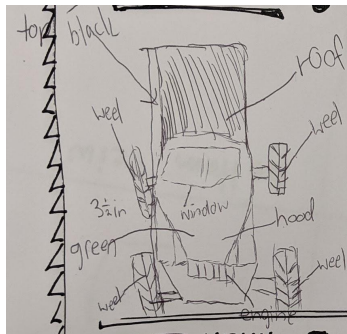
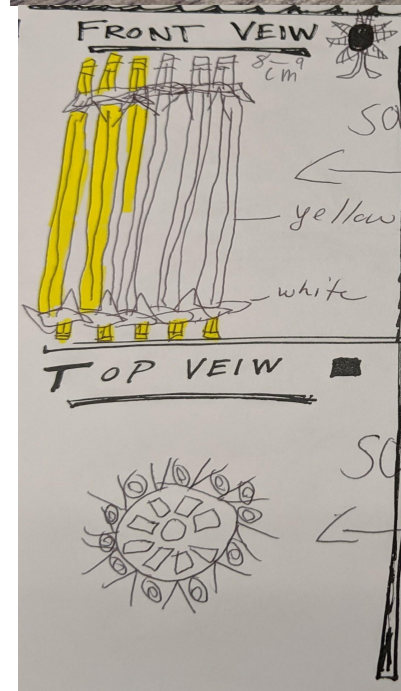
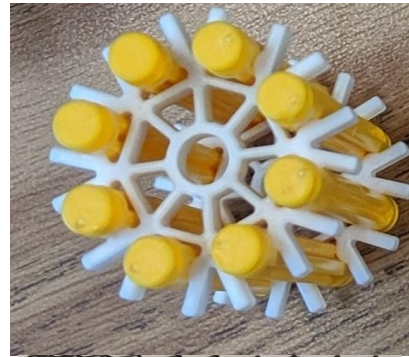


EDP in the Art Room

Supporting Classrooms/ Exploring Art:

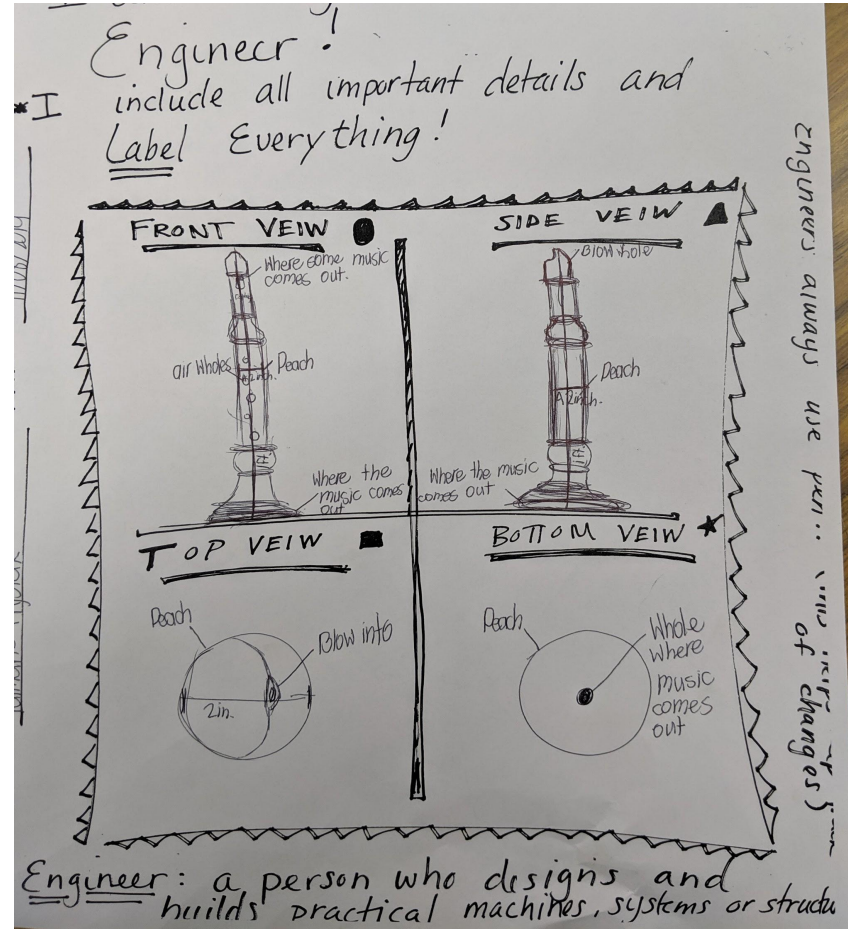
Meg Baumgardt



Drawing Like an Engineer!

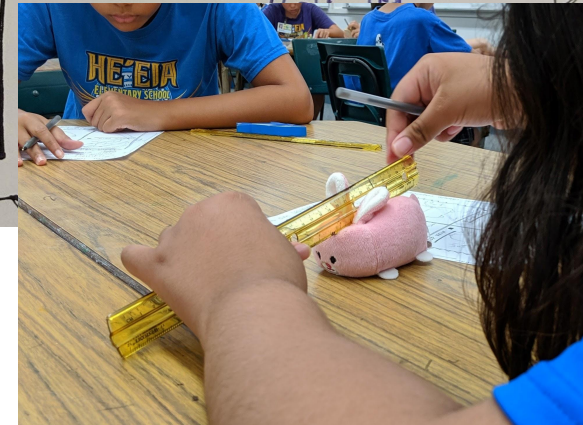
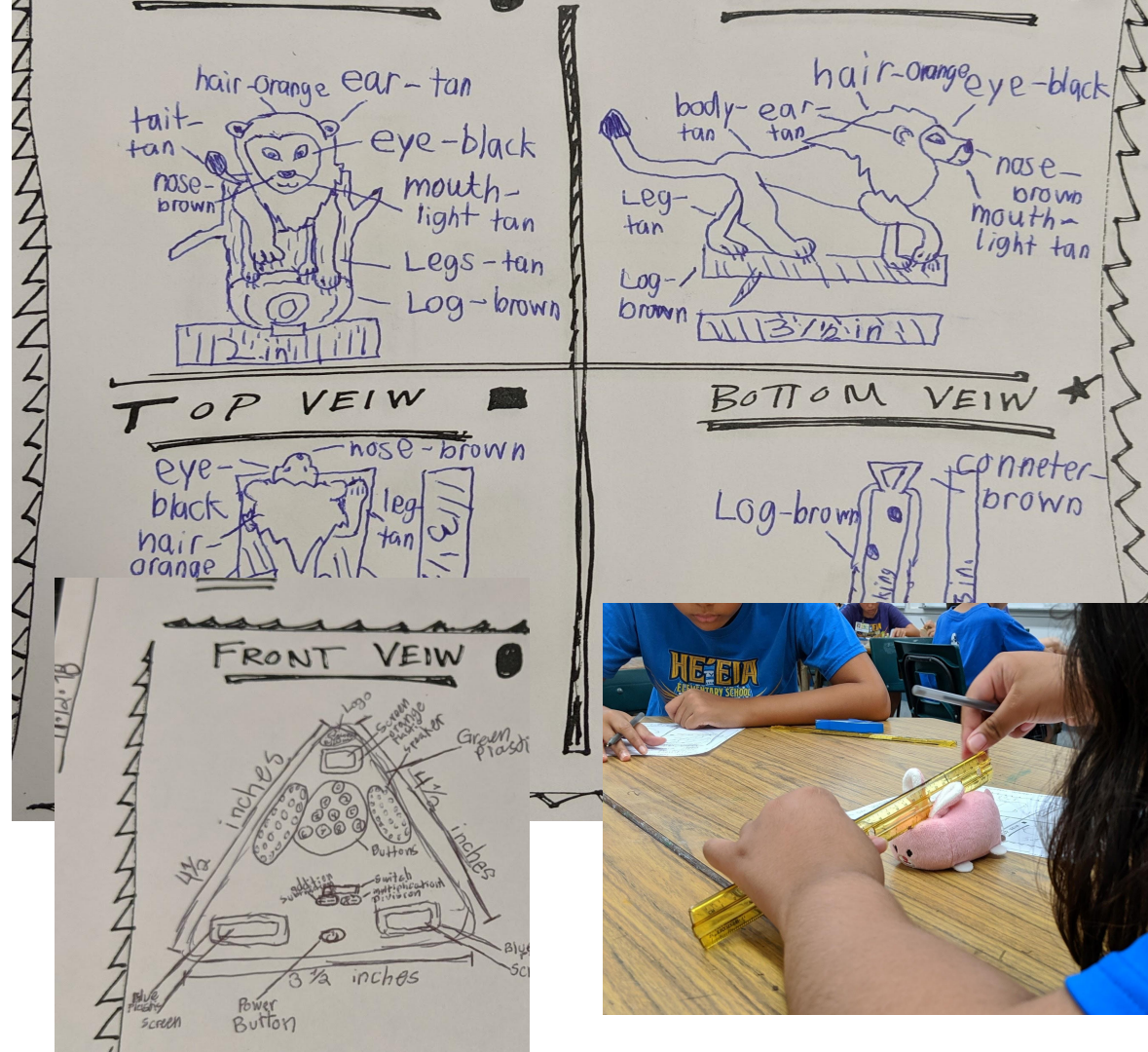
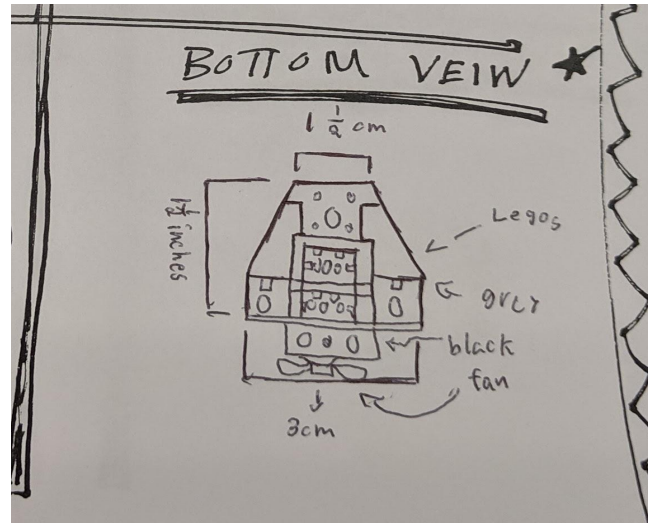
In November, 2nd through 6th grade started thinking and drawing like engineers!

- Brainstormed about Who/ What engineers are/ do.
- Discussed importance of drawing from different perspectives and using labels.
- Students used a variety of “toys” to practice drawing like engineers.



2nd through 6th grade
concentrated on
documenting details and
labeling (parts and colors.)

4th through 6th grades also
documented **measurements**



5th grade... Making a Clay Substrate

ASK... students were asked to think about what plants need to grow... Air, Water, Light, and something to grow in. **Substrate**

IMAGINE... Design a new substrate for germinating seeds in a aquaponics system. The new substrate should provide plenty of air and water to the germinating seed and a place for the roots to hold on to.

Specifications: Clay medium must be able to:

- Provide for the appropriate air flow
- Provide and retain water
- Only have organic material added to clay

Coffee grounds, pencil shavings, seeds, flower petals, dirt, leaves, rosemary, coconut coir, tiny pebbles.



5th grade... Making a Clay Substrate

PLAN... Students drew 3 different plans for their substrate depicting the **shape** that they thought would provide the most air, water, and places for the plants to hold on to. In addition to shape, plans included list of organic material to be added to clay.

Then, they chose the one design they thought fit the specifications best.

CREATE... Students added materials to their clay, and shaped their substrate focusing on making beads with regard to distributing organic material and consistent sizing of beads...and finishing in 35 minutes!



6th Grade... Exploring Art with EDP

Exploring Materials and how they work is an important aspect to art.

ASK... Explore and evaluate use of different materials.

Students rotated through stations and wrote down pro's and con's to each set of materials.



Stations

Cut CD's with Scissors

Draw on CD's with Crayon

Scratch acrylic paint off CD's

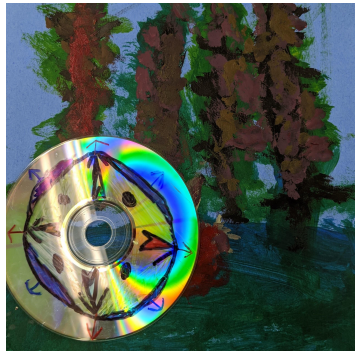
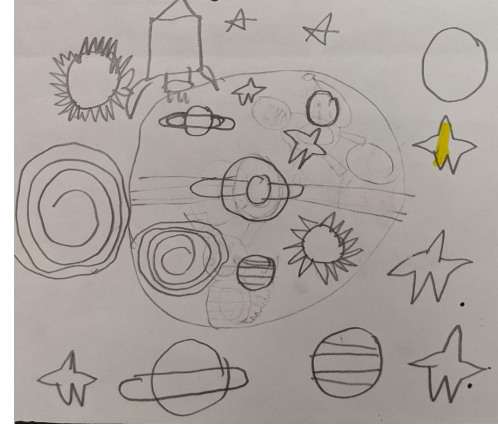
Paint on CD's with acrylic

Draw on CD's with Sharpie

6th Grade... Exploring Art with EDP

IMAGINE... Design an original artwork that includes 1 CD, 1 square piece of paper (9x9 or 12x12), and any other materials in the art room. Draw **3 designs**. Then choose one for final art work. CD must be altered, and paper must be altered.

PLAN... List all of the Materials needed for original art.



2nd Grade Designing a Sail and Logo

In November, I introduced “Drawing like an Engineer” using Duplo blocks focusing on the shapes and adding labels.

In February, the students practiced again “Drawing like an Engineer” using my other simple toys in order to practice prior to Janice introducing Recycled Boat lesson.

The students were weaving going into Spring Break and I had wanted to turn those weavings into their sails, but alas they were too heavy. Instead, I adjusted to using plastic t-shirt bags or laminate film I have stockpiled.

