



January Little STEAMers

Dear Little STEAMer Families,

I hope everyone had a wonderful Christmas break and a Happy New Year! This month our theme will be winter fun! We will begin the month using our imagination to create things from recycled Christmas boxes. We will learn about two kinds of simple machines- levers and incline planes. We will also experiment with snow and ice and explore animals

that hibernate in the winter.

January Classes:

(1/3) **Explore: Recycling-** What can you make from a box? Children will use recycled boxes and other materials to let their imaginations run wild! **Please bring in a shoebox size box** for your child to use during our STEAM challenge.

(1/10) **Simple Machines: Levers-** What's more fun than a snowball fight in the winter? STEAM Challenge: Build a catapult and test it to see which one makes the snowball go the farthest!

(1/17) **Experiment: Snow and Ice-** What melts ice more quickly? Salt or sugar? we will test it to find out! We will explore snowflake symmetry and for our STEAM challenge we will try to build a snowflake that is a hexagon and symmetrical.

(1/24) **Discover: Hibernation-** What is hibernation and which animals hibernate in the winter? We will use our Chromebooks to investigate. **Bring in an empty cereal box** so we can create a cave for hibernating animals to live. Children will also be introduced to coding while using the characters from the book *Brown Bear, Brown Bear*.

(1/31) **Simple Machines: Incline Planes-** Sledding in the snow is another fun winter activity. We will test different incline planes to see which one makes the sled go the farthest. We will also explore ramps when we build a marble run and drip paint on an incline plane to create art.

If you have any questions, please feel free to email me at ckjosche@gmail.com.

Ms. Carrie and Ms. Paola