

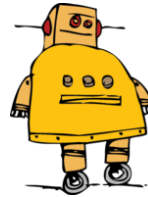
Learning Activities

Language Arts/Technology:

Instructables.com is a website with a community of people who like to make things. They make it easy to learn how to make anything, one step at a time.

When making your boat this week, write your own instructions so someone else could make exactly what you made, one step at a time and post it to their site!

Check out their [website](#) and maybe you will be inspired to make something that you always wished you had!



Social Studies:

Make a bucket list of places in New Brunswick you would like to visit this summer. Using the New Brunswick map, label cities and where these places are located.

Click [HERE](#) for a larger map.



Science/Numeracy:

What floats your boat?!



When an object floats on water, it is because it is less dense than water. **Density** is basically how compact an object is; how much space an object takes up (its **volume**) *in relation to* the amount of matter in it (its **mass**).

It's why a hollow tennis ball floats and a rock of the same size sinks.

$$D = \frac{M}{V}$$

Try this: Drop a ball of modelling clay in a bowl or sink of water. What happens? Record your results and questions in writing or sketches in your journal. Now, see if you can mold the clay into a shape that will float.

Add weight once it floats. How much weight can it hold?

Check out this very cool video from [Mark Rober](#) → about buoyancy, density and a sand hot tub!



The Arts:

The letters of the alphabet are hidden everywhere but it takes an artistic eye to find them. Try to discover and photograph some letters in trees, on buildings, on the ground, etc.

Can you find all 26 letters? Once your photos are taken, try combining them to make a word that is meaningful to you!



THE CHALLENGE:



Summer gives us so many opportunities to explore and discover. Water worthy vessels have a long history of exploring and sailing our seas. They come in all shapes and sizes and have a variety of interesting features. There are sailboats, houseboats, rafts, catamarans, pontoons, yachts, canoes, and so many more!

Your challenge this week is to design and construct a model boat that is sea worthy and resistant to capsizing.

~ STEAM TEAM ~
Create, Test, Improve



- Build a fort in the woods around your home
- Have a [camp-out](#) in your backyard
- Try a [star gazing activity](#) on a clear night
- Check [Brilliant Labs](#) and [Science East](#) for fun, educational activities
- Create a summer business selling homemade items

For more Summer checklist ideas click [HERE](#)