**Procedure**

1. Research intertidal communities and the plants and animals that live in them.
2. Find a fresh water creek that flows into the ocean creating an estuary.
3. Choose four sites along the creek about 30 meters apart.
4. Test the water salinity at these test sites. Test the salinity of the ocean and as far up the creek as possible.
5. Make observations at each test site about the water depth, flow rate, and the type of surroundings.
6. Make a 1 meter by 1 meter wooden square to place in the creek.
7. At each site lay down the square and count the number and type of organisms present. Repeat many times in each area.
8. Document what types of organisms are present through photos or drawings.
9. Use a book to identify the different organisms.

10) Analyze the data collected and see if your hypothesis is refuted or supported by the data.

11) Write a conclusion about the observations and the data and complete the written part of the project.