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| Gingerbread Man  StEm Lesson | Grade Level: 1 | |
| **Lesson Objective:**  Help the Gingerbread Man be safe near water and while on his boat. | **Benchmark Standard:** SC.1.E.6.2  Describe ~~the need for water and~~ how to be safe around water. | |
| **Essential Question**: How can we be safe when near or in water? | **Vocabulary:**  Safety  Drowning  Life vest  Float  Sink | **Vocabulary Activities:**  Acting out words |
| **Preparation Directions:**  **Engage:**  Tell or read the story of the Gingerbread Man.  **Procedures:**  Tell students that the Gingerbread Man has a raft is going to use it to cross the river and escape. Gingerbread Man does not know how to swim. How can he cross safely?  Discuss water safety rules that Gingerbread Man should follow.  Tell students that he should also have a life vest on whenever he is on a boat.  Instruct students to use materials that float to construct a life vest for the Gingerbread Man. Have students test their life vests to see if they will keep him afloat.   1. BRAINSTORM: Students should look at the available materials and discuss which to use. They can test to find out if materials float or sink. 2. PLAN/DESIGN: design a blueprint of a life vest made from materials that float. 3. BUILD: Students build their life vests 4. TEST: Students place life vests in water with gingerbread man. 5. COLLECT AND ANALYZE DATA: Students draw in their notebooks and label. They should write and draw what the life vest did. Did it work or does it need to be improved? 6. REFLECT/IMPROVE: Students improve their life vests using the data they collected and information they learned from seeing other groups test their rafts. 7. EVALUATE/JUSTIFY: Discuss as a class, which raft would be the best life vest for the Gingerbread Man and why? | **Materials:**  Maker Space with a variety of materials  A tub, sink, or plastic box of water.  A model of a gingerbread man. (This can be made from clay)  **Science Tools:**  **Sample Questions:**  Gingerbread Man does not know how to swim. How can he cross safely? | |
| **Assessment:**  **Students should be able to explain the following safety rules:**   1. Learn to swim 2. Swim near a lifeguard 3. Never swim alone 4. Always stay near an adult, even when lifeguards are present 5. If you are in trouble, call or wave for help 6. Follow regulations and lifeguard directions | |
| **Additional Resources:** [**http://lacoast.gov/new/Data/Ed/Coloring/water\_safety.pdf**](http://lacoast.gov/new/Data/Ed/Coloring/water_safety.pdf) | | |