Whale Adaptations: Creature of the Sea

Author: Tufts STOMP
Time: 3 - 4 45 minute class periods
Description: Students will use LEGOs to design a creature that is adapted to life in the ocea

Grade Level:
- K-3

Lesson Objectives:
- To apply engineering problem-solving strategies to creat a sturdy structure with LEGOs that has a
- To demonstrate an understanding of animal adapations by designing a creature with features adap

Materials Needed:
- Sea Creatures Design Brainstorming sheet
- Sea Creatures Design Worksheet
- Our Sea Creature Paragraph planning Worksheet
- LEGO kits

Preparation and Setup:
- Make photocopies of worksheets.
- Arrange students in groups of two.
- Distribute necessary materials.

Vocabulary:
- Adaptations

Procedure:
1. Introduce the concept of animal adaptations, with a focus on whales. (e.g., blowholes for breathing

2. Review different types of adaptations that would help different creatures survive in the ocean. (e.g
3. Have each student fill out a sea creature adaptation brainstorming sheet.
4. Have students get into their groups and combine ideas to make come up with a sea creature that
5. Students should complete a Sea Creature Design Worksheet as a group.
6. Distribute kits and allow students to start building.

7. Each student should write a paragraph describing his/her creature. They will include a name for th
8. Students will present their work to the class, demonstrating and describing all adaptations.

References:

- CEEO Curriculum Website - http://www.ceeo.tufts.edu/robolabatceeo.

Assessment:

- Teacher observation of the LEGO creature.
- Student presentations
- Student's worksheets.

Sample Images:

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Filename: Lesson 1 - Our Sea Creature.pdf
Filename: Lesson 1 - Sea Creature Design Sheet.pdf

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