Name:	

FIJI Schoolwide STEM Challenge Coral Reefs



Problem: Oceans are threatened by pollution and unsustainable fishing methods. **Create** a new coral to add to the water that can filter trash and fishing pollution. Abril- Yendo a los problemas de la isla Fiji: los océanos están en peligro de polución y hay abuso de métodos de pesca. Crear un nuevo coral para agregar al agua así filtra la basura y reduce la polución pesquera.

Ask: Corals are beautifully created living creatures! (They are animals not plants! Polyps) What makes corals so special?

^{**}And unlike plants, **corals** do not make their own food. **Corals** are in fact **animals**. The branch or mound that we often call "a **coral**" is actually made up of thousands of tiny **animals** called polyps. A **coral** polyp is an invertebrate that can be no bigger than a pinhead to up to a foot in diameter.

Imagine: If you could engineer an animal to filter chemicals in the water and trash, what would it look like and why?
Constraints:
1. Coral must have moving parts
2. Coral must be bright and vibrant
3. Coral must be made out of recycled materials
4. Coral must be between 10-12" inches in height and width
Plan: Design a new coral that could be placed in Fiji to help continue to filter the water, be a habitat for other animals, and survive global warming.
(Be sure to label and design a BRIGHT, vibrant, beautiful coral out of recycled
materials.) Can you do multiple designs in this table? Circle the one you make!

Improve: What changes did you need to make in order to fit all your constraints?