

Fluids
Station #8
Submarine

Task

You must devise a system using the materials provided to retrieve the paperclips from the bottom of the container.

Rules:

1. You must make a device that will float and sink on command.
2. Only the materials listed can be submersed in the water.
3. You can only use the materials provided.
4. *You may not be able to get the paper clips right out of the water but remember that the idea is for your group to make a submarine that will rise and fall in water on command. The objective is not necessarily to get the paperclips out.*

*Attach a piece of loose showing your calculations and work.

Materials

- 2 syringes
- plastic tubing
- magnet
- tape
- fun tack

Explain how you made the overall density of the submarine more and less dense.

Many years ago in Florida, the government dropped hundreds of thousands of used tires along the coastline trying to make a reef for animals to live in. Instead it killed more species than it saved and they are now in the process of removing them from the ocean floor. The method that they use to raise the tires to the water surface is similar to the submarine you built.

How would you suggest they get these tires to the surface of the water?
