

## Periscope Up!

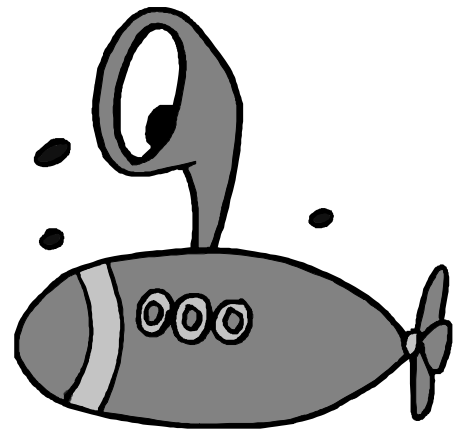
Make your own periscope and check out what's just out of sight!

### Materials

- 2 pieces of mirror paper
- Tag board periscope outline
- Tape
- Decorations
- Periscope pattern

### Process

1. Cut out your tag board periscope
2. Fold along the dotted lines
3. Tape the periscope together
4. Tape a piece of mirror paper to each slanted edge of your periscope
5. Decorate your periscope however you'd like!



### So What's Happening?

A *periscope* is a tool used on submarines to let the sailors see what is on the surface of the water. A periscope is made by reflecting what is on the surface of the water off a mirror onto another mirror that can be seen by someone underwater. In the modern Navy, periscopes are complicated pieces of equipment that use mirrors, lenses (like in binoculars) to make what you see look bigger, and often cameras!

### Vocabulary

- **Periscope** – a tool that uses lenses and mirrors to allow somebody to see an otherwise obstructed field of view. Most commonly used in submarines.

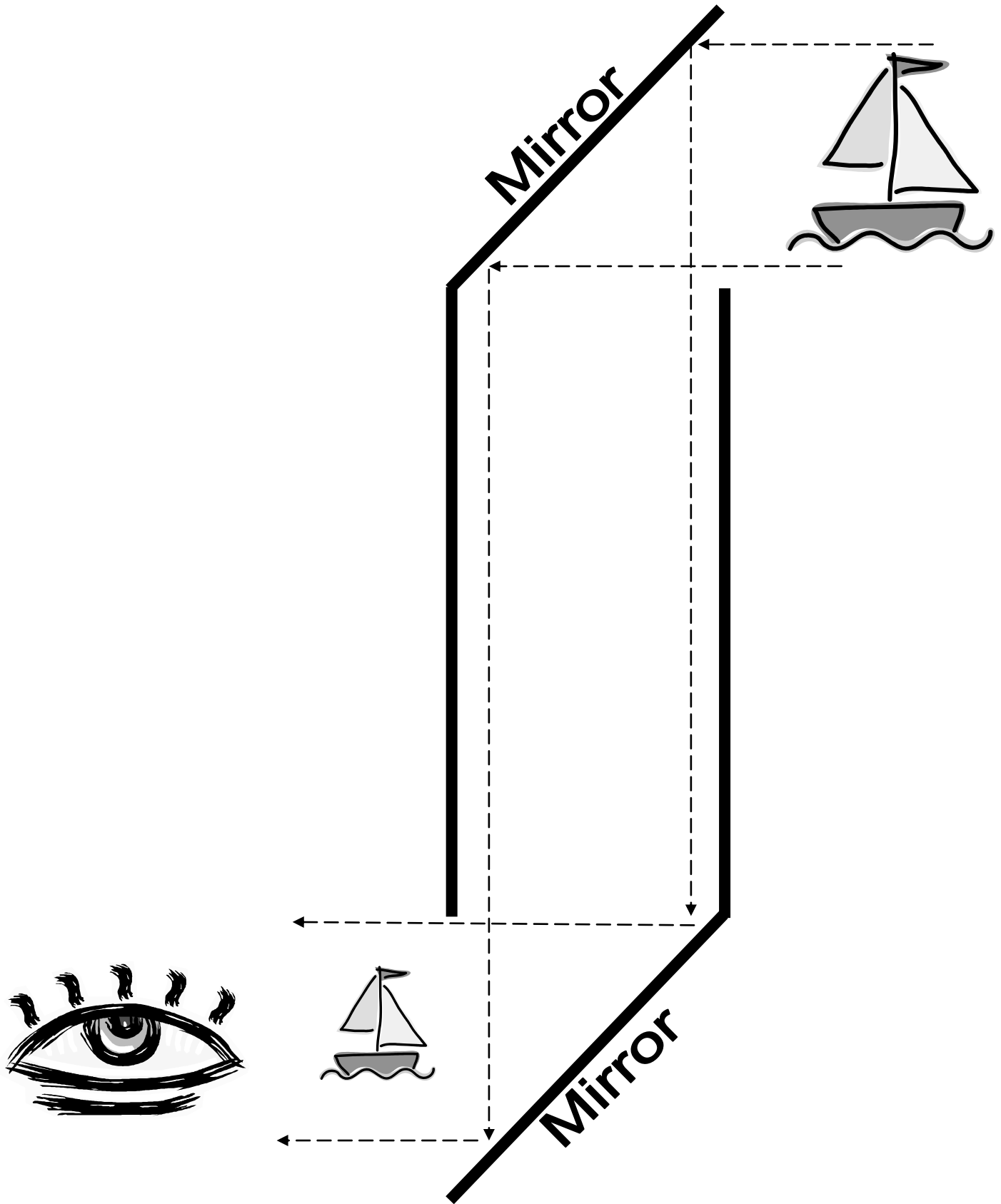
### For More Information

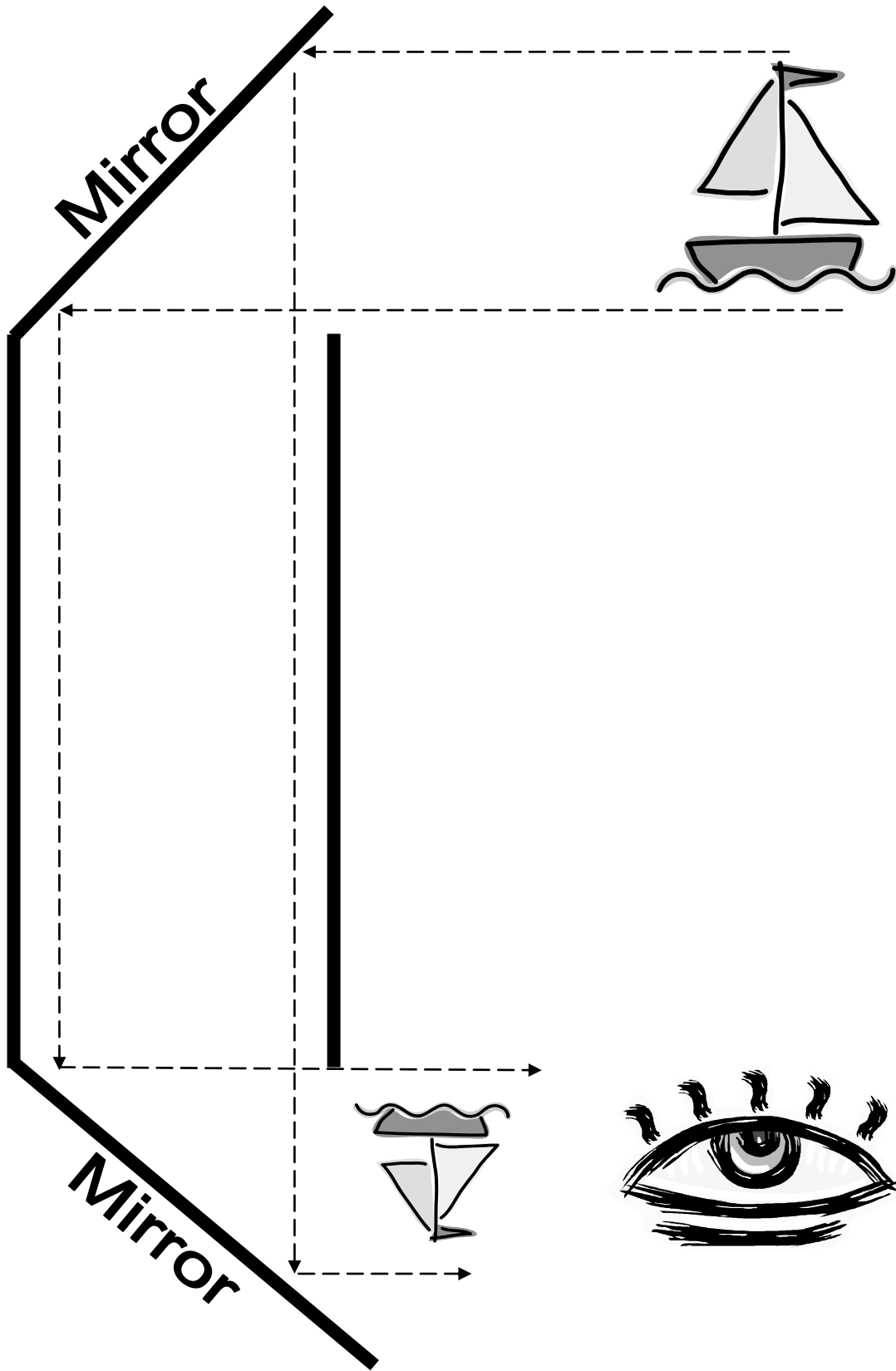
Absolute Astronomy. "Periscope." Last Modified 2011.

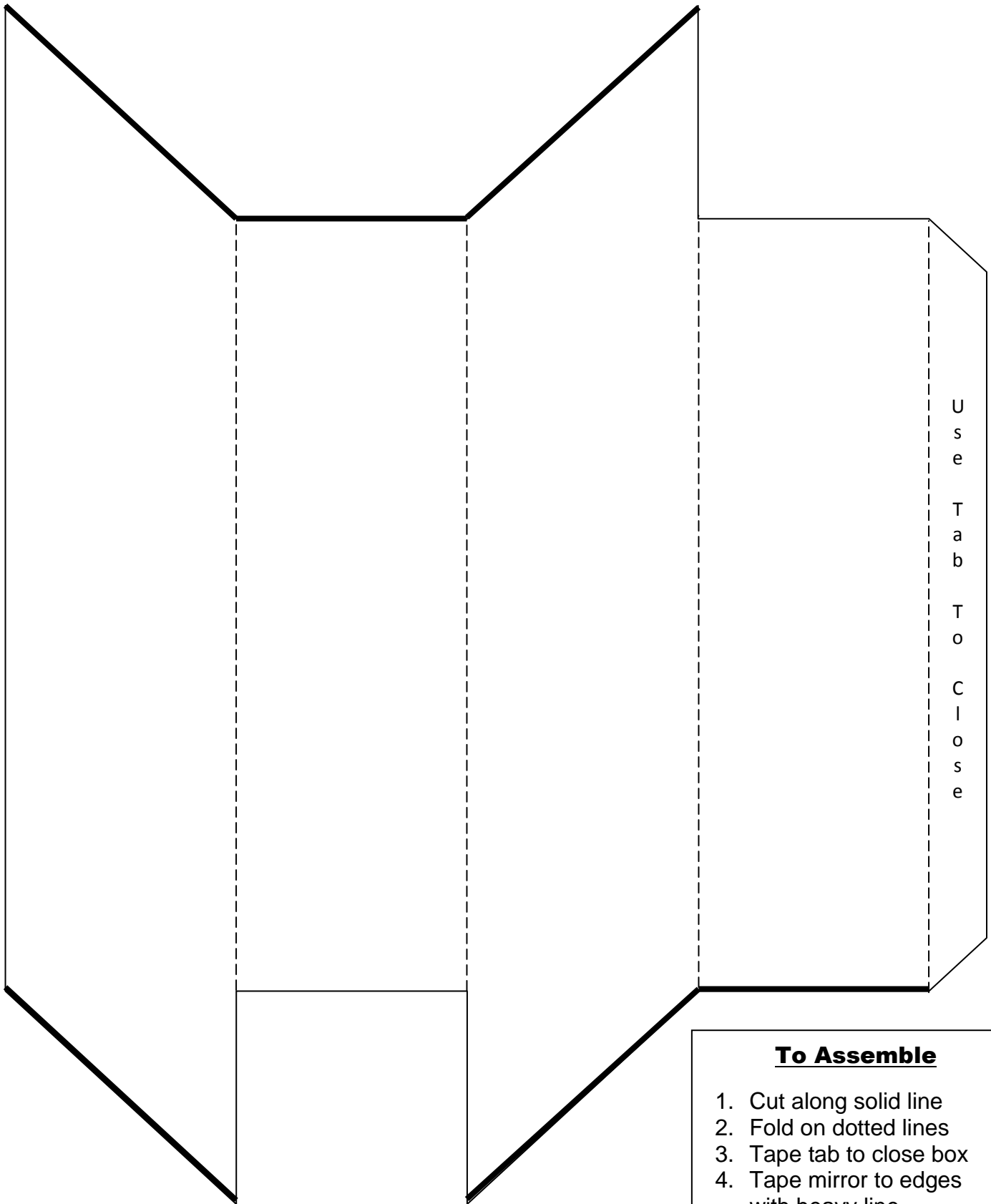
<http://www.absoluteastronomy.com/topics/Periscope>

San Francisco Maritime National Park Association. "The Fleet Type Submarine Online Submarine Periscope Manual." Last Modified October 2005.

<http://www.maritime.org/fleetsub/pscope/index.htm>







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**To Assemble**

1. Cut along solid line
2. Fold on dotted lines
3. Tape tab to close box
4. Tape mirror to edges with heavy line