



**Grades
K-2**

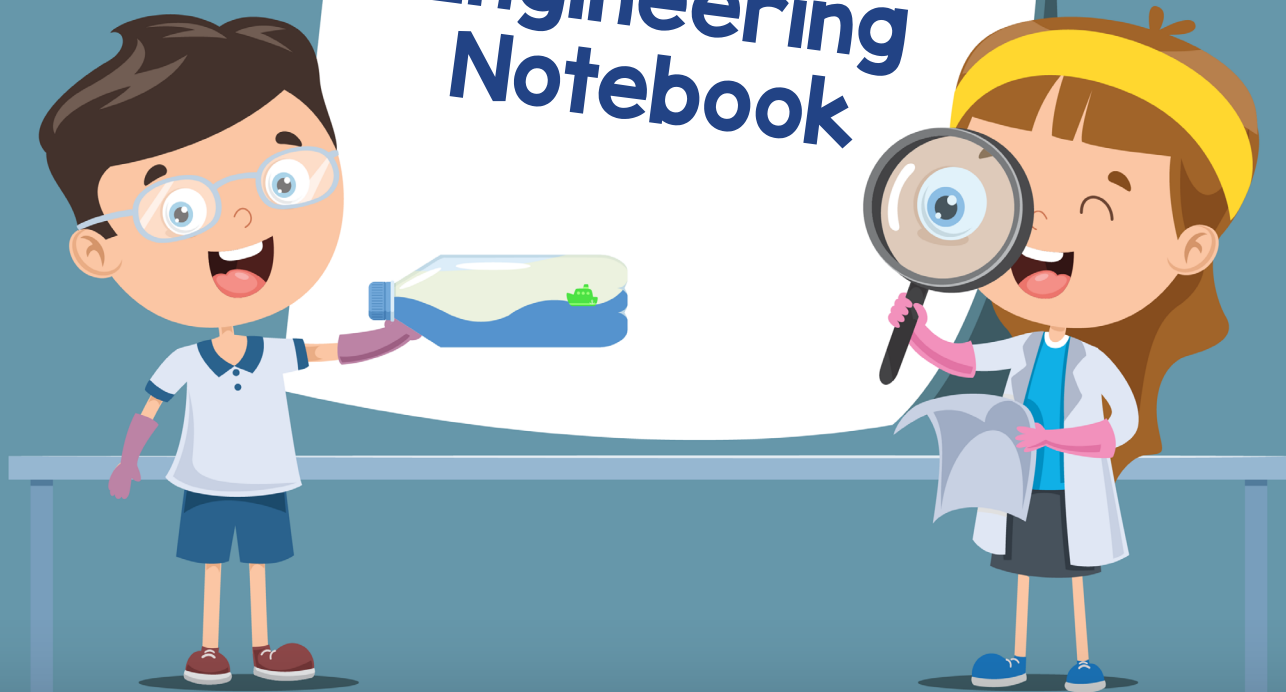
Making Waves

Student Activity Workbook

Name: _____

Date: _____

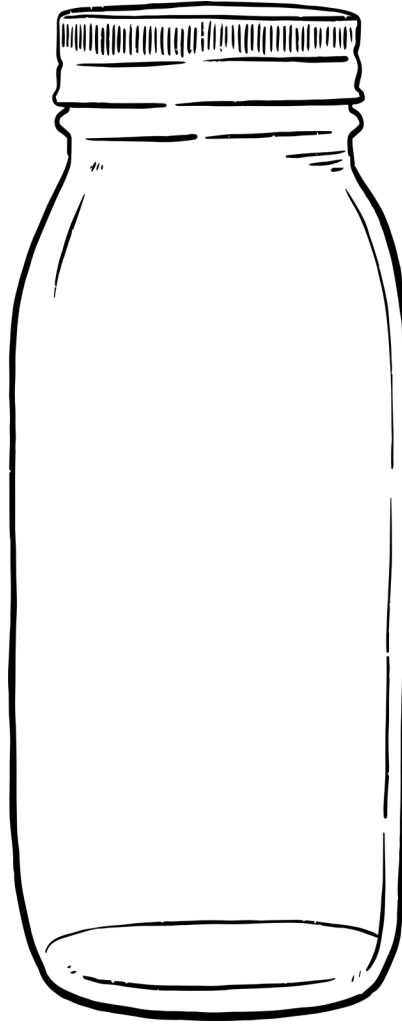
**Engineering
Notebook**



Seaworthy STEM™ in a Box Series

Making Waves

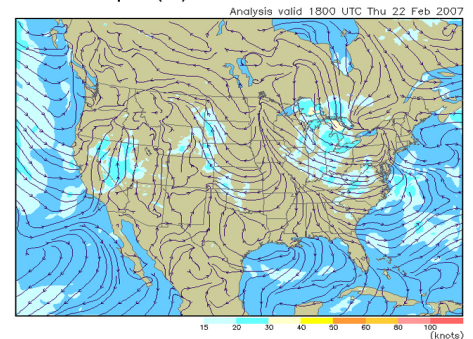
I Draw and color a model of your wave bottle at rest.



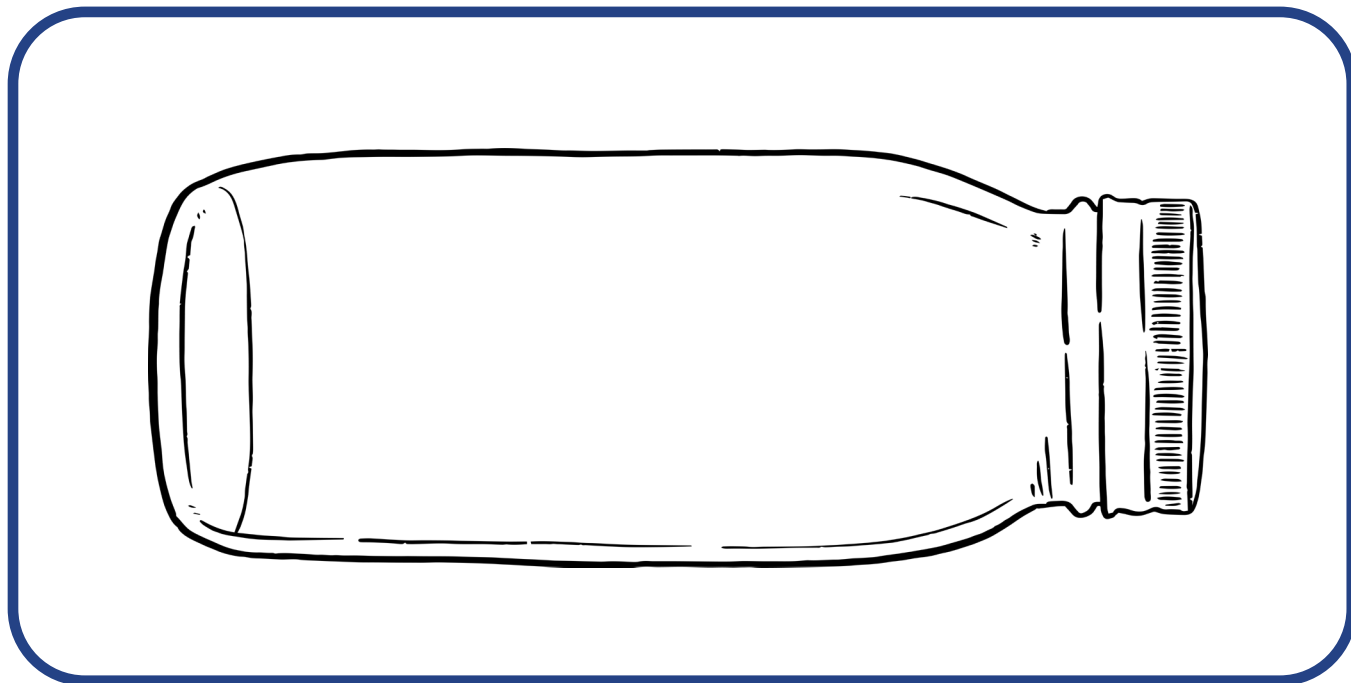
Fun Fact!

The wind is the driving force of weather at sea, as wind generates local wind waves, long ocean swells, and its flow around the subtropical ridge helps maintain warm water currents such as the Gulf Stream. Weather ships were established by various nations during World War II for forecasting purposes, and were maintained through 1985 to help with transoceanic plane navigation.

Surface wind speed (kts) and streamlines



- 2 Draw and color the waves moving inside the bottle. Then draw arrows to show which way the waves are moving.



- 3 Which of the following fan speeds will cause the strongest waves?" (Circle one)

Low

Medium

High

- 4 Why did the highest setting on the fan create the strongest waves?

A large rectangular area with a dark blue border and rounded corners. Inside, there are ten horizontal light blue lines, providing space for a student to write their answer to question 4.

Fun Fact!

Today, the Navy relies on weather forecasting with the help of technology and meteorologists. A series of Meteorology and Oceanography Centers—Naval Meteorology & Oceanography Command—provide weather-related information to the fleet.



#SeaworthySTEM

Making Waves Engineering Notebook



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