



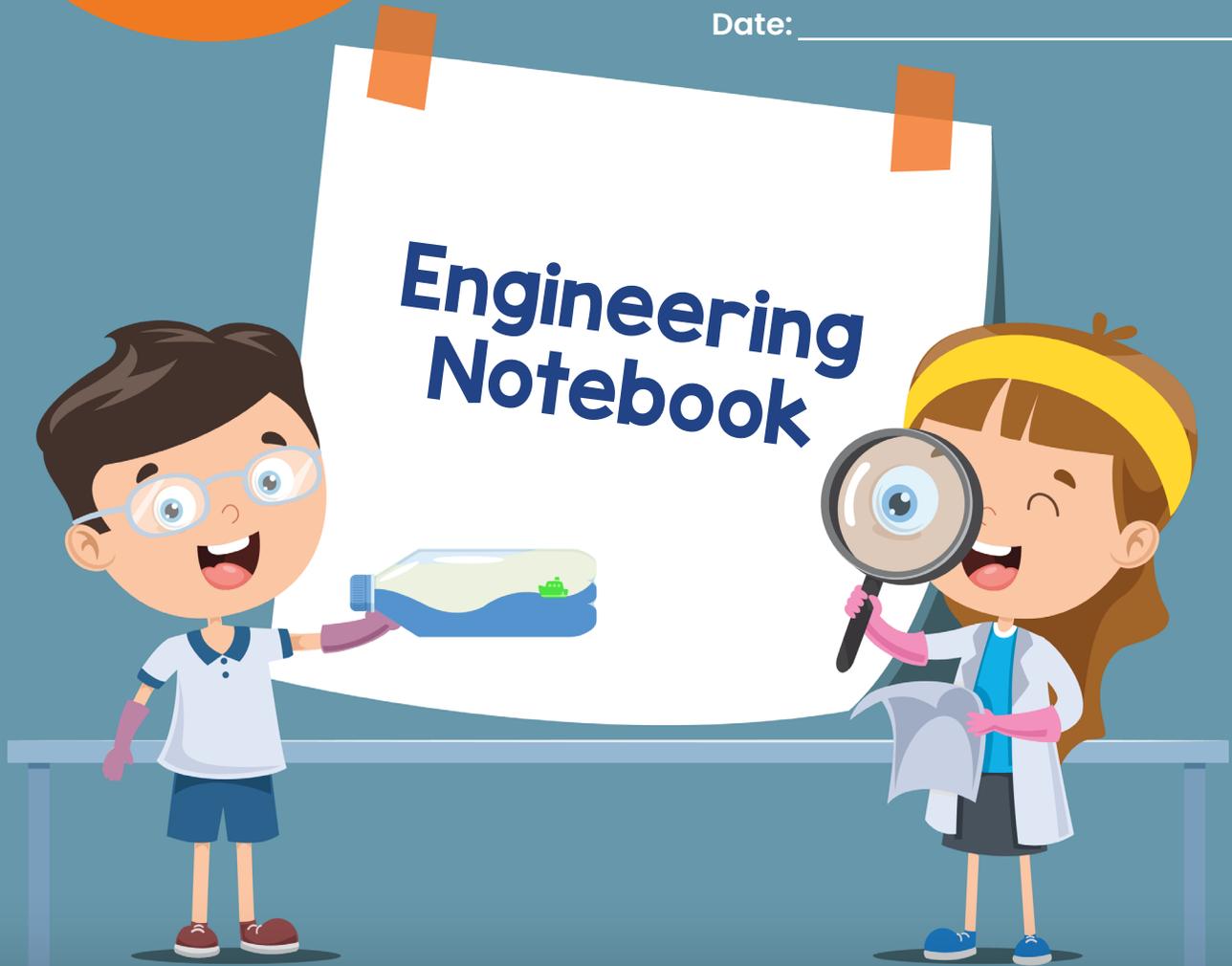
# Making Waves

Grades  
K-2

Student Activity Workbook

Name: \_\_\_\_\_

Date: \_\_\_\_\_



*Seaworthy STEM™ in a Box Series*

# Making Waves

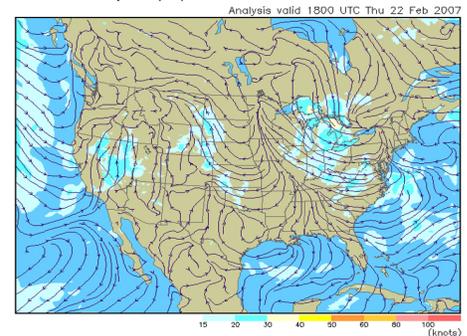
- 1 Draw and color a model of your wave bottle at rest.



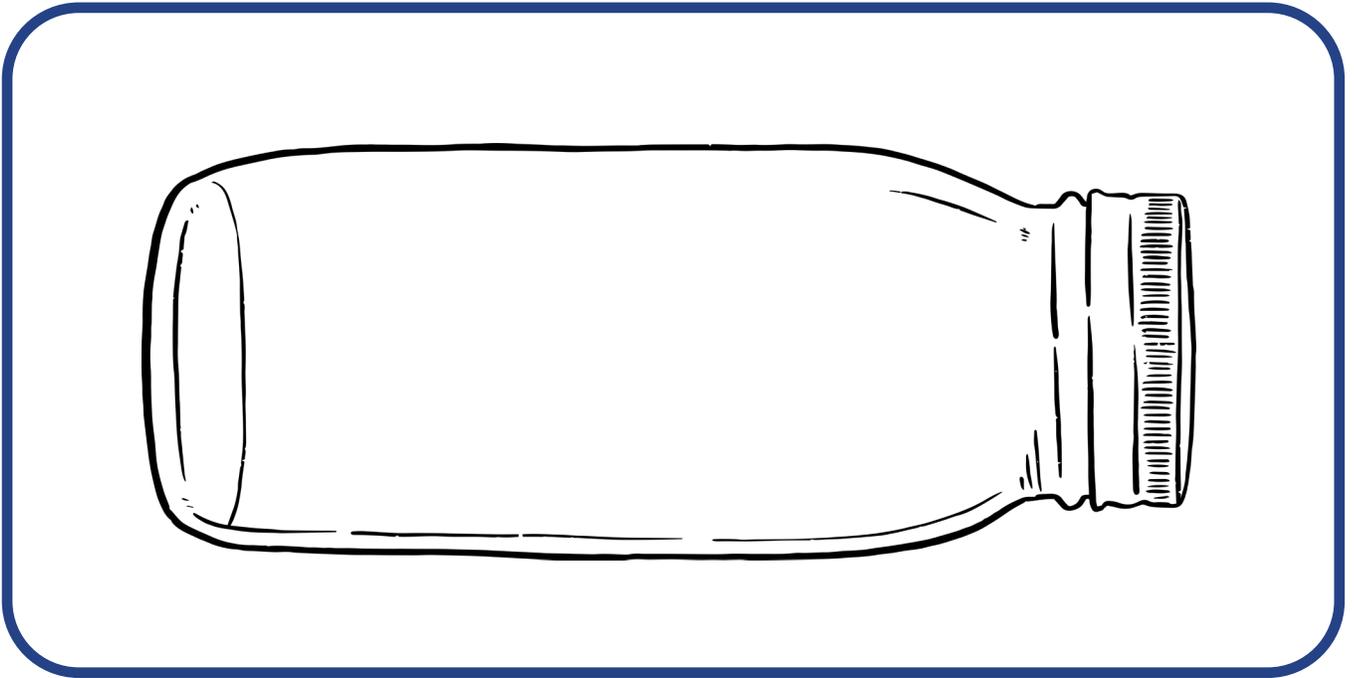
## Fun Fact!

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 blue rounded rectangular box containing several horizontal blue lines for writing.

**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.



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# Making Waves Engineering Notebook



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