

Sail Boat Testing

Boat in Water

1. Place your boat in the water. What do you observe?

2. Does it move and how?

Gentle Wind

3. Gently blow on the boat. What happens?

4. What forces act on the boat?

Changing the Sail

5. If you change the direction of the sail does the boat move differently when you blow on it? Why?

6. Cut off a part of the sail. Does the boat react differently with the smaller sail? Does the force on the boat change?

Storm

7. Blow on the boat as hard as you can or use a fan to blow on it. What happens?

8. Can storms be dangerous for sail boats? Why?