

Name: _____

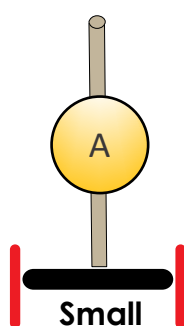


Check out the **Lab Set-Up Video** by scanning the QR Code or going to teachergeek.com/sailcar



Track area 10 m (30 ft) long by 2 m (6 ft) wide. Uncarpeted area preferred.

Numbered pieces of tape mark every meter (3 ft).

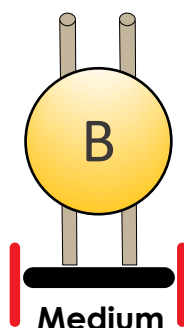


Predict: Circle how far you think it will go.

1 2 3 4 5 6 7 8 9 10

Test: Circle how far it goes?

1 2 3 4 5 6 7 8 9 10

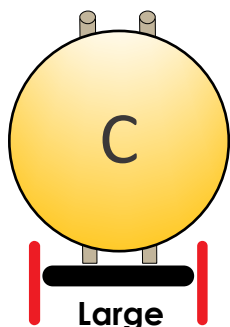


Predict: Circle how far you think it will go.

1 2 3 4 5 6 7 8 9 10

Test: How far did it go?

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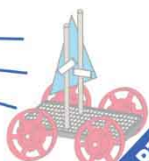
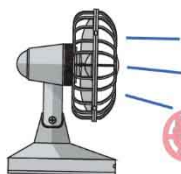
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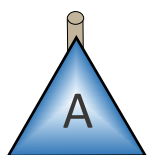
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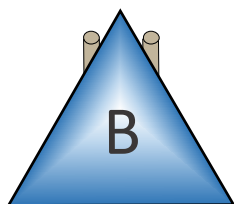
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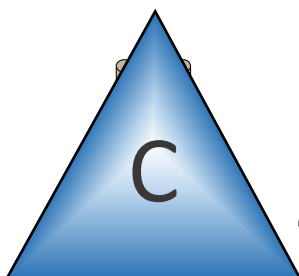
1 2 3 4 5 6 7 8 9 10

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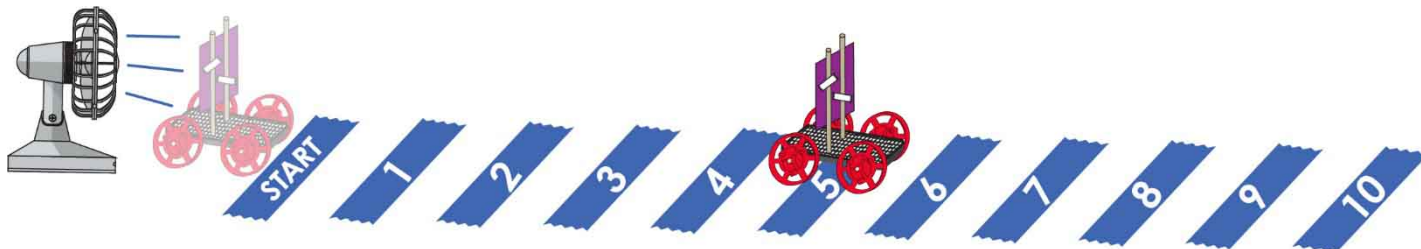
1 2 3 4 5 6 7 8 9 10

Test: How far did it go?

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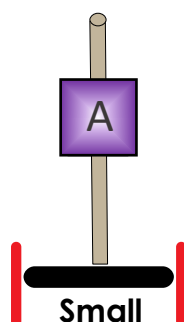
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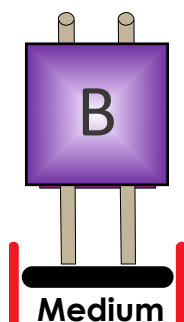
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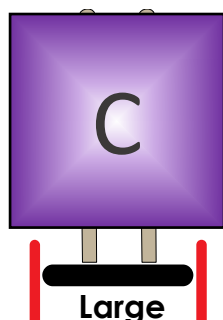
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**Predict:** Circle how far you think it will go.

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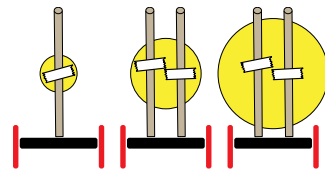




A

Small Circle Sail

Cut the following sail shapes from cardstock, cardboard or stiff paper. The shapes can be re-used between sail car groups.



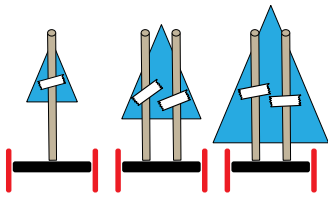
B

Medium Circle Sail



C

Large Circle Sail

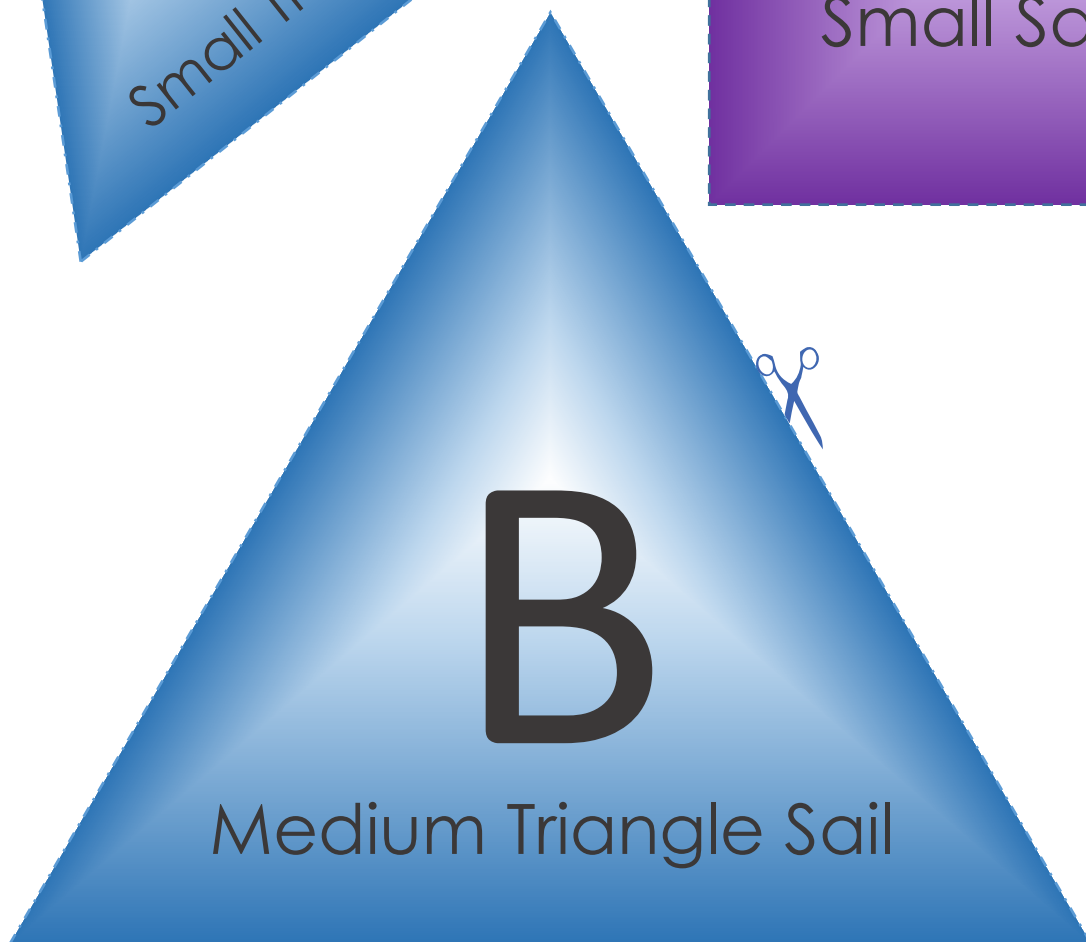
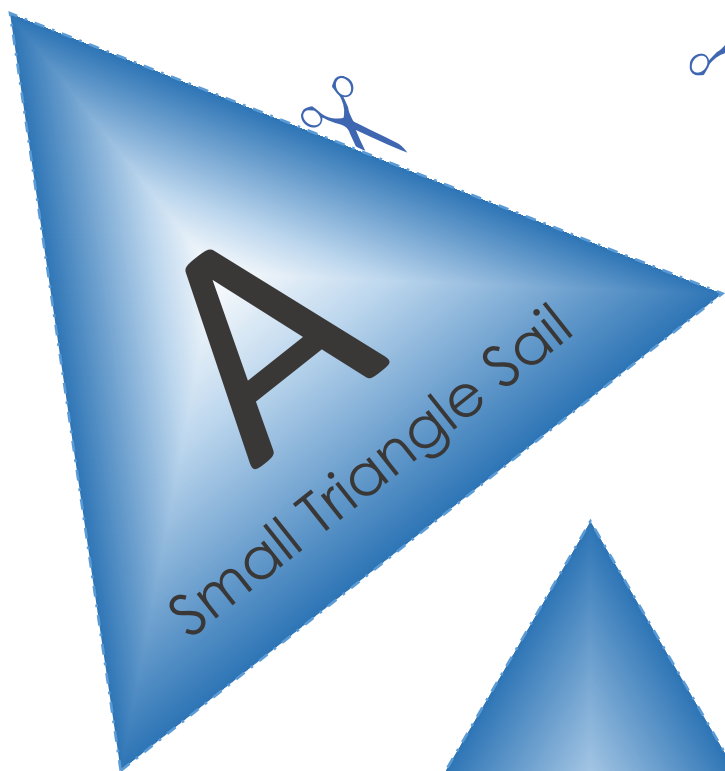


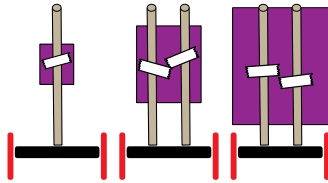
Interesting Note: The large sails have twice the area of the medium sails. The medium sails have twice the area of the small sails. If you're following the math... that makes the large sail FOUR times larger than the small sail.



C

Large Triangle Sail







C

Large Square Sail