

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

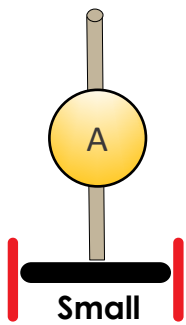


Check out the [Lab Set-Up Video](#) by scanning the QR Code or going to [teachergeek.com/sailcar](http://teachergeek.com/sailcar)



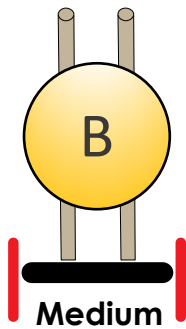
Track area 10 m (30 ft) long by 2 m (6 ft) wide. Uncarpeted area preferred.

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



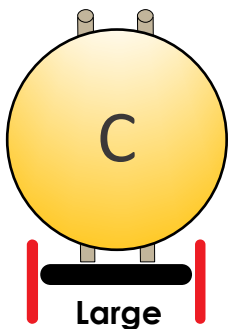
**Predict:** How far do you think it will go?

**Test:** How far did it go?



**Predict:** How far do you think it will go?

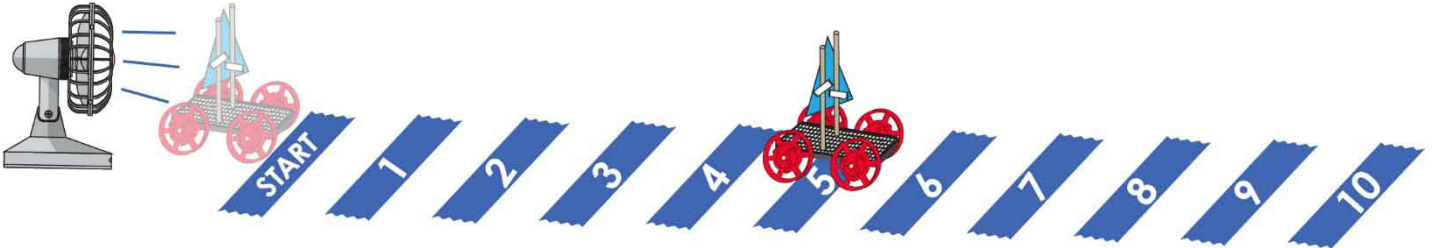
**Test:** How far did it go?



**Predict:** How far do you think it will go?

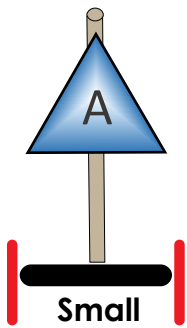
**Test:** How far did it go?

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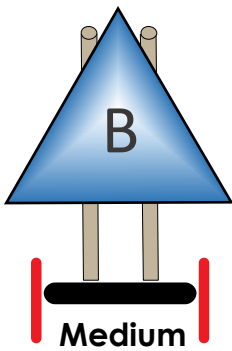
**Predict:** How far do you *think* it will go?

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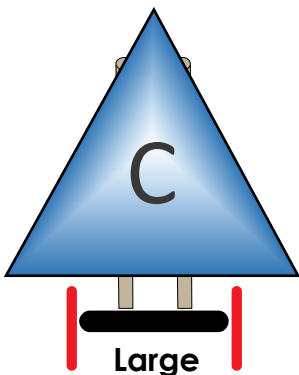
**Predict:** How far do you *think* it will go?

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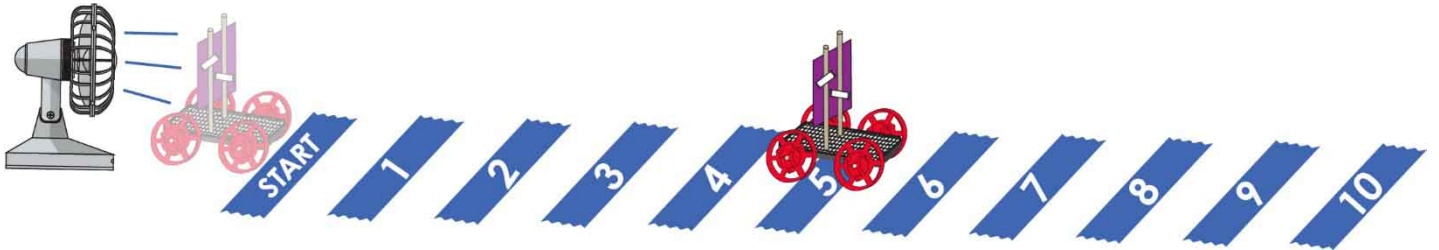


**Predict:** How far do you *think* it will go?

**Test:** How far did it go?

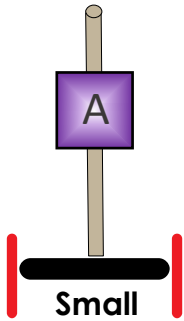


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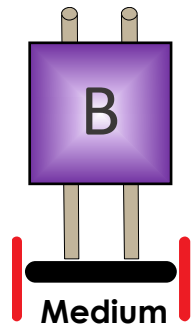
**Predict:** How far do you *think* it will go?

**Test:** How far did it go?



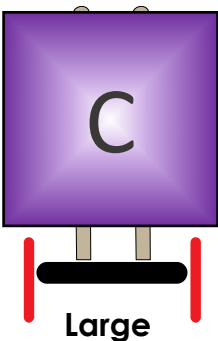
**Predict:** How far do you *think* it will go?

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**Predict:** How far do you *think* it will go?

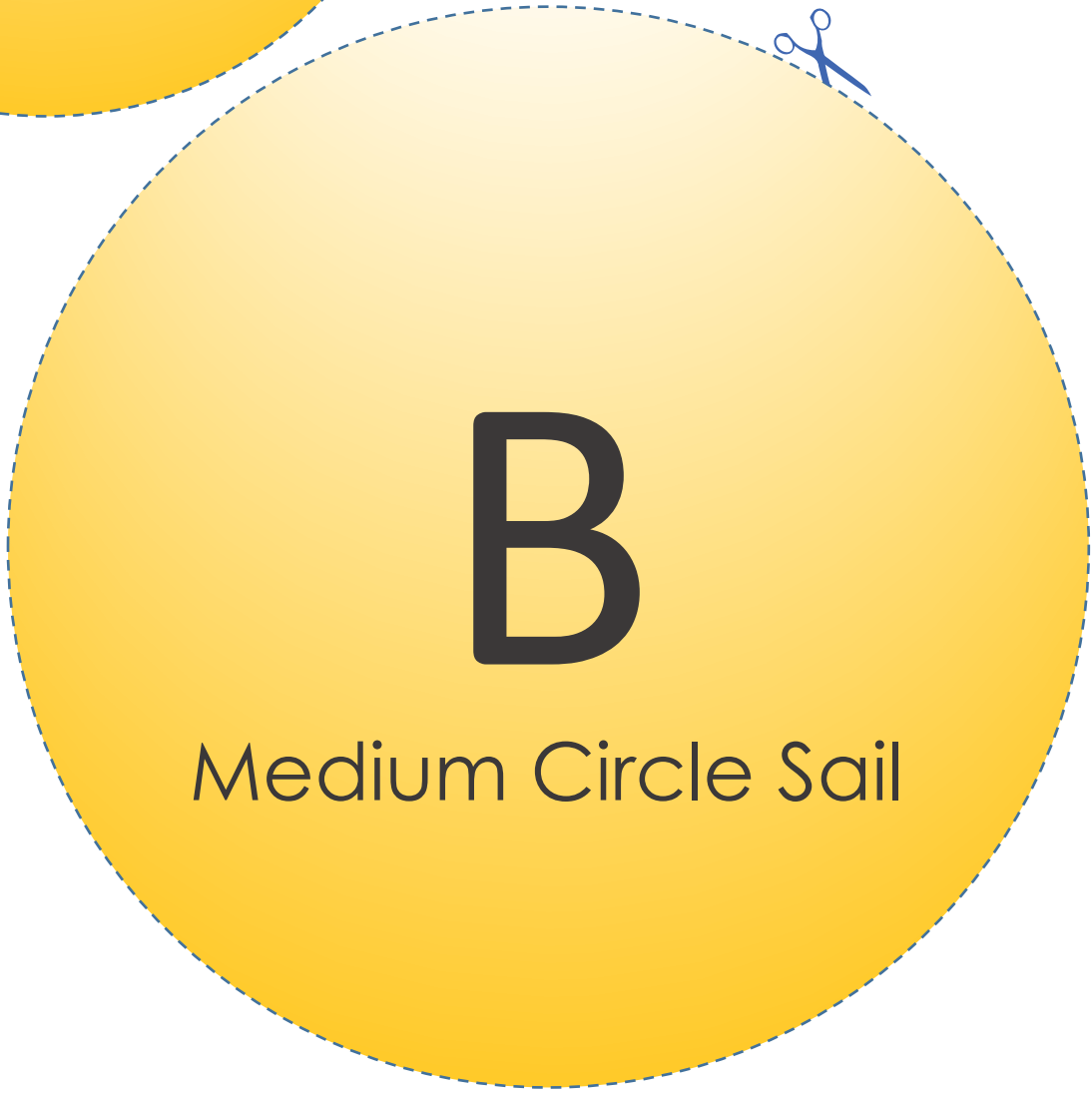
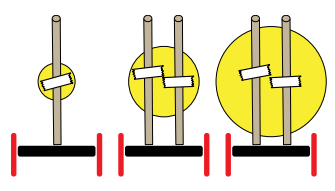
**Test:** How far did it go?







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





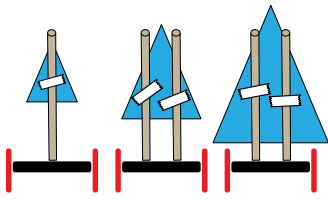


C

Large Circle Sail







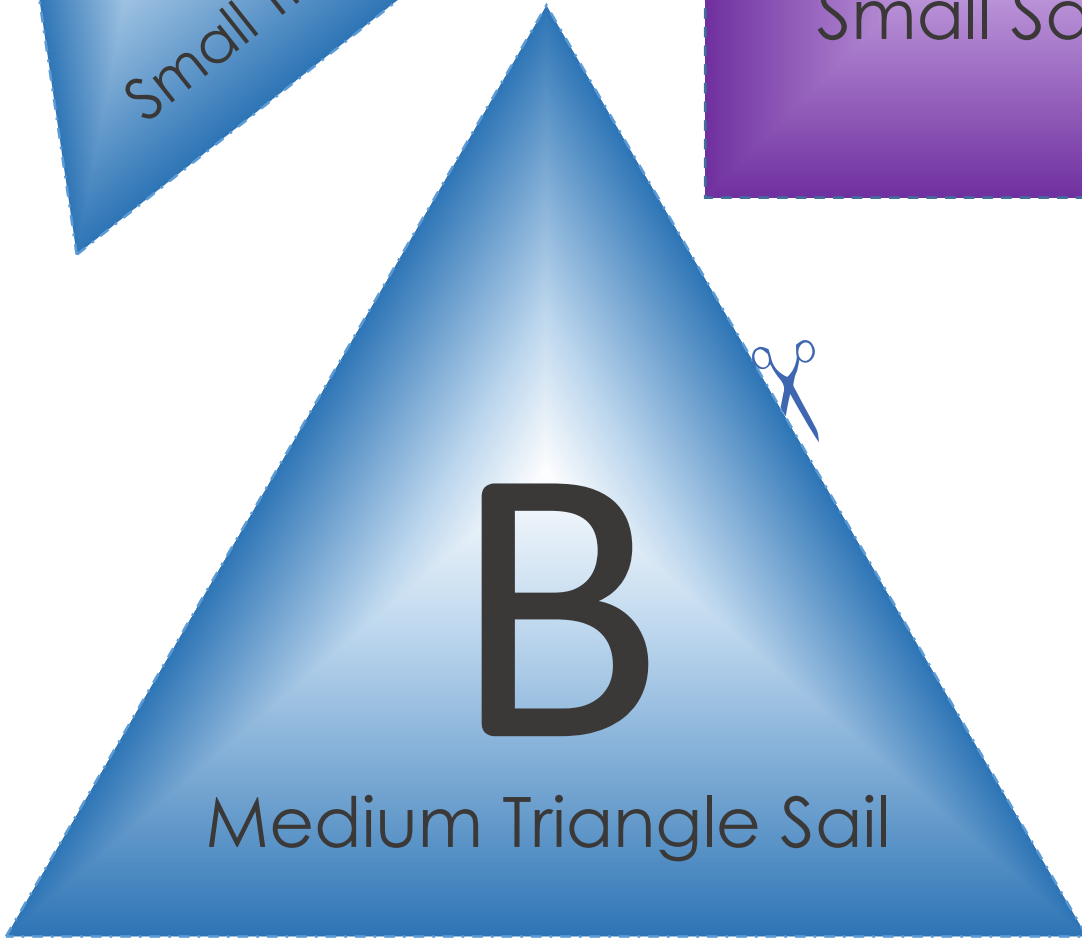
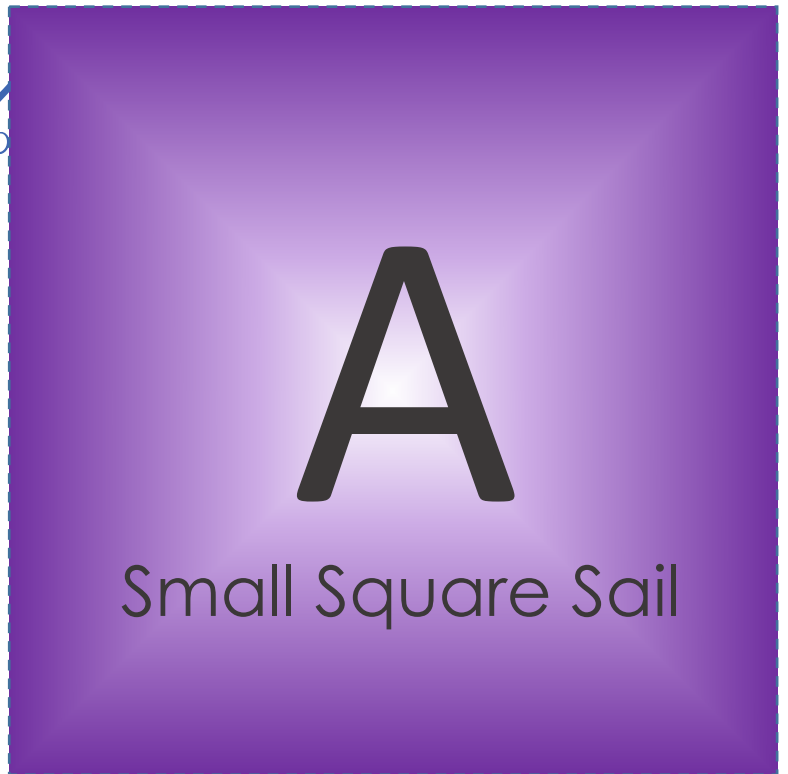
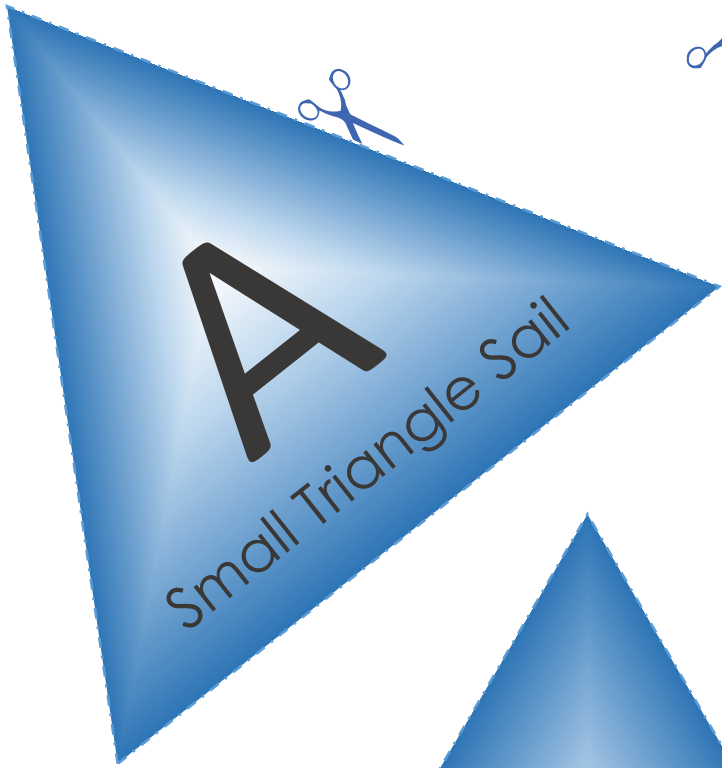
Interesting Note: The large sails have twice the area of the medium sails. The medium sails have twice the area of the small sails. If you're following the math... that makes the large sail FOUR times larger than the small sail.



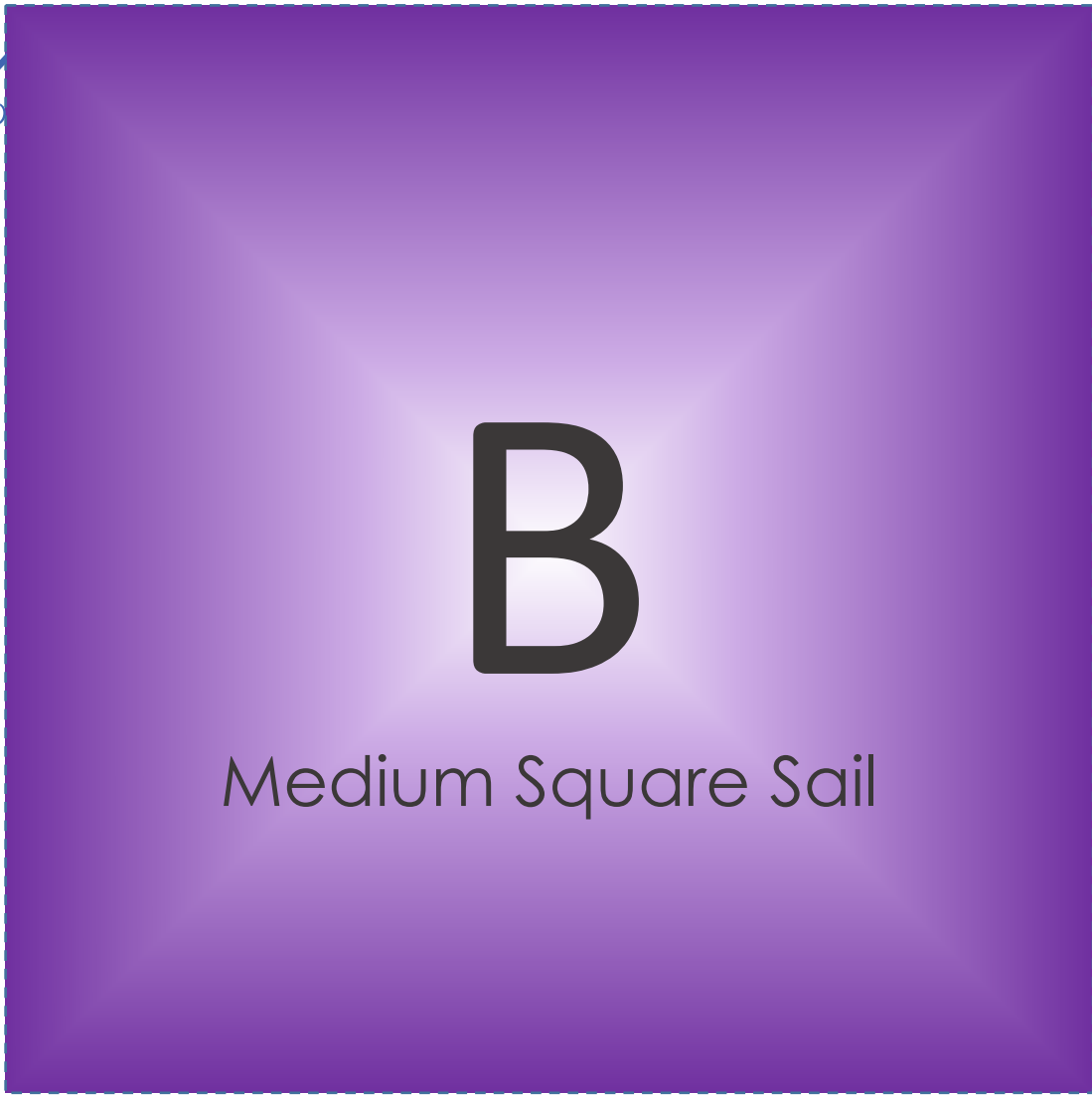
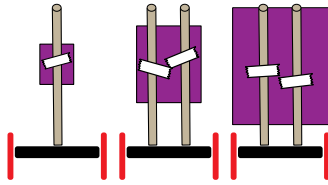
# C

## Large Triangle Sail









B

Medium Square Sail





C

Large Square Sail