Check the materials that your team would like to use. You can pick 12 different things and you can arrange to trade with another team if you agree.



Sketch your plan for a design for showing how you will use all your materials.

Describe how your plan will cut down on primary or secondary impact, and momentum.

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Spinners by \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| --- | --- | --- | --- | --- | --- |
| Small spinner.  Record results for 5 tests. | | LARGE spinner.  Record results for 5 tests. | | Original spinner or your own design. Record results for 5 tests. | |
| How many times did it spin before landing? | How long did it stay in the air? | How many times did it spin before landing? | How long did it stay in the air? | How many times did it spin before landing? | How long did it stay in the air? |
|  |  |  |  |  |  |
| What improvements did you make? | | What improvements did you make? | | What improvements did you make? | |

Draw below and describe the original variation you created on a spinner. What did you change: size, material, number of propellers, other.

Spinners by \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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