

## Challenge #2 = Rocket Balloon

Problem: Make a balloon fly from the north to the south of the Drish in a **straight line**.

Materials:

- 1 balloon
- 1 straw
- string
- tape
- scissors

**Plan 1** - *This is a well labeled sketch of what you think you are going to build.*

**Prototype 1** - *This is an annotated photo of your first build.*

**Test 1** - *Test your prototype and answer the questions below. Bullet points are fine!*

1. What was successful about your prototype?
2. What failed?

**Evaluate 1** - *Answer the question below to analyze your test. 1 - 3 sentences ONLY.*

1. How would you change your design? Why?
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**Plan 2** - *This is a well labeled sketch of what you think you are going to build.*

**Prototype 2** - *This is an annotated photo of your first build.*

**Test 2** - *Test your prototype and answer the questions below. Bullet points are fine!*

1. What was successful about your prototype?
2. What failed?

**Evaluate 2** - *Answer the question below to analyze your test. 1 - 3 sentences ONLY.*

1. How would you change your design? Why?

*CAN DO MORE DESIGN CYCLES IF NEEDED!*

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**Implement** - *Annotated photo of your final build and answer to the question below. 1 - 3 sentences ONLY for each question.*

1. If you could add materials, what would you add and how would this improve your design? Why?



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