

**My Name:** \_\_\_\_\_

## **Building a Rubber Band Airplane**

### **My Checklist:**

**Research:** Research rubber band airplanes. Look at all kinds of different designs.

I viewed at least 3 videos on building a rubber band airplane. The URLs for these videos are as follows:

1. http: \_\_\_\_\_
2. http: \_\_\_\_\_
3. http: \_\_\_\_\_

I have included these in my final report/presentation:

Yes	No
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**Construct your hypothesis:** Choose your design and make your own design. Example: Using design X , and using materials X, will it fly? (Make sure you do sketches of your design, which should include measurements.) I gave at least 3 reasons for choosing my design. The reasons were as follows:

1. Reason:

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2. Reason:

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3. Reason:

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I used all the following building materials to make my rubber band airplane:

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**Test your hypothesis:** Build your airplane.

I am listing all the things that I will need. (Include things like pencils, rulers, crayons or paint, along with the construction materials.)

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I wrote step by step instructions on how to make my plane.

Yes	No
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I took at least 5 photos of all step of the process. Yes/No (circle)

Yes	No
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I made a sketch of my design and included measurements and labelled the parts.

Yes	No
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I took at least 3 photos at different angles of the plane at rest.

Yes	No
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I took my plane and flew it.

Yes	No
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I took a photo of the plane in flight.

Yes	No
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**Analyze your data:** Did it fly? If not, why? What could you have done differently? (Was it sturdy enough? Were the materials a good choice?)

I wrote a very detailed analysis of the things that were successful in my design and the things that could have been better.

Yes	No
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I included all my photos in the analysis.

Yes	No
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**Communicate your findings:** Tell us about what you did and what you will do differently next time.

I have prepared an excellent oral presentation to the class.

Yes	No
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I have excellent graphics as well.

Yes	No
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I have practiced my presentation in front of a mirror or a friend or my parents.

Yes	No
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