

3rd Grade Summer STEM Kite Construction

Directions: Read the following information. Answer questions on the attached page.

Problem:

Construct a kite that will rise and stay up in the air for 20 seconds!

Materials:

These are suggestions. You may use other materials and you do not have to use all suggested materials.

- Different weight and sizes of paper
- Tissue paper
- Plastic bags
- Popsicle sticks
- String
- Tape
- Glue
- Timer

You will build a kite. Your objective is to build a kite that will fly in the air for at least 20 seconds. You might want to think about the weight of the kite and the materials you will use.

After you build your kite, you should take it out on a windy day (WITH ADULT SUPERVISION) and test it to observe how long it stays in the air. Think about how you can improve upon your original design or what you might change. Record your observations and reasoning on the attached recording sheet.

Take a picture of your kite in the air! You will need to attach a photo. Don't forget to bring your kite to school with your recording sheet to school with you on September 10th, 2024!

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Name: _____ Class: _____

1. Form a Hypothesis:

Which materials do you think will make the best kite? Why?

2. Was your hypothesis correct? Did your kite fly for at least 20 seconds? _____

3. What changes would you make to your original design? Why? Explain how these changes might improve your kite?

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Attach a photo of your kite flying in the space below.



Take Your Kite to School!

Return to school on September 10 with your kite and this form.