

Student Name _____ Homeroom Teacher _____

NTI Day 7

Special Area -STEM Lab 3-5

You may access this lesson electronically from the following webpages:

Special Area - <http://cgesspecialarea.weebly.com/>

STEM Lab - <http://cgesstem.weebly.com/>

Kites may seem like toys, but they were once an important part of weather forecasting, communication and war. Over time, kites have been replaced by airplanes, but their use has taught us a great deal about flight.

NGSS: 3-5-ETS1-2	Learning Target: I am analyzing the materials and shape of a kite design.
Challenge	<ul style="list-style-type: none"> • Design a kite that will stay up in the air for five minutes.
Criteria/Constraints Choose one way to show your design	<ul style="list-style-type: none"> • Kite design may be a drawing of your idea • Color the diagram • Label the materials you would use if you were going to make the kite with recycled materials from home - paper, wrapping paper, plastic grocery bags, tissue paper, straws, sticks, string, yarn, paper clips, etc. <p style="text-align: center;">OR</p> <ul style="list-style-type: none"> • Kite design may be a model of your idea made with recycled materials at home - paper, wrapping paper, plastic grocery bags, tissue paper, straws, sticks, string, yarn, paper clips, etc. • Try to fly the kite; time how long it stays up in the air • If the kite didn't stay up for three minutes think about what you would change to improve it
Reflection- write your answer below or click on the link for a google form on the CGESspecial area weebly page for Day 7	<ul style="list-style-type: none"> • Analyze the materials and shape of the kite design. • If you drew the design - How do you think the materials and shape you chose will help the kite fly for three minutes? • If you made a model - How do you think the materials and shape you chose helped or hindered the kite from flying five minutes?
