Student Name _____ Homeroom Teacher_____

NTI Day 6

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/

| NGSS: 3-5-ETS1-1 | Learning Target: I am making observations of wind on objects falling to the ground. |
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| Make observations of things moved by the wind. | • Look out your window or go outside when the wind is blowing. Look at leaves, plastic bags, and other objects moved by the wind. Think about: How do they move? What happens when the wind stops? How do they come down to the ground? |
| Try it | • Hold a piece of paper so it is parallel with the floor. Let it go and watch it fall to the floor.<br>• Hold the paper so it is perpendicular to the floor. Let it go and watch it fall to the floor.<br>• Think about: What was different about how the paper fell? What caused any differences? |
| Read the passage. Label the arrows with the correct force – lift or drag. | • How does a kite fly? As someone runs with a kite, the wind going head-on into the kite creates a force that pushes up on the kite. This force is called **lift**. This lift force goes perpendicular to the wind and it pushes the kite up into the air. At the same time, another force pulls the kite back. This force is called **drag** and is caused by the wind catching on the kite itself, pushing the kite back in the direction that the wind is going. Altogether, these forces cause the kite to go back and up when you fly it. |