

Grade 6 Flight Test Outline

*Define the four forces of flight, Thrust, Drag, Lift and Gravity and be able to label them on the plane

*What is Bernoulli's Principle? Give an example of it

Know Newton's Third law (Know the statement and an example)

Explain how a plane lifts. (Use terms as airfoils, Bernoulli's principle, how does lift compare to gravity when flying, do you need thrust?)

Define Hover.

Explain how a helicopter can hover and the what 2 special parts does it have and explain what each of the 2 parts do.

Know the characteristics allow birds to fly. Explain the lungs, feathers, bones and wing shape

Difference between an aircraft and a spacecraft (Give one example of each)

What are 2 properties of air? (There are more)

Explain the leading edge of an airfoil. (Its look and what does it do to the air when flying)

Explain how a rocket works and what parts it has OR explain the parts of the plane (One or the other not both)

Give the name of one of the famous aviators discussed in class and what they did

Indicate the flight situation when given a graph (Similar to "what's happening" worksheet given in class)