



**IMAGINEERING  
JUNIOR ENGINEERING CLUB  
AEROPLANE WORKSHEET**

1. Draw an aerofoil and the streamlines of the air round it. Show the areas of High pressure and Low pressure

2. What gives an aeroplane thrust ?

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3. What is a dihedral ? Show the dihedral on a picture of an aeroplane

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4. What happens to the aeroplane if the center of gravity is:

a) too far forward .....

b) too far back .....

5. Who were the first people to manage to fly a controllable powered aeroplane?

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6. What are the three control surfaces of an aeroplane?

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7. Write a short story about a day out where you either saw gliders or hot air balloons. If you can, use a computer to type your story and print it off to hand in next week. Illustrate it with a picture or two if you wish from either the Internet or hand drawn.