Forces Summer Week 2 Year 5



To get you thinking watch these videos before you start.

Activity Notes

Use the presentation to introduce and summarise the forces acting on an aircraft during flight.

Use two video clips of the RAF Red Arrows to illustrate the extreme forces due to high-speed changes in direction. Each clip is just over two minutes in duration.

Ask the children to imagine what it must be like to be the pilot of one of the aircraft. What forces would they feel? Why do pilots need to be strapped in? What forces have they felt on things like playground swings or fairground rides?

Clips are at:

Introduction to the Red Arrows: http://news.bbc.co.uk/1/hi/uk/8355531.stm

Plymouth air display:

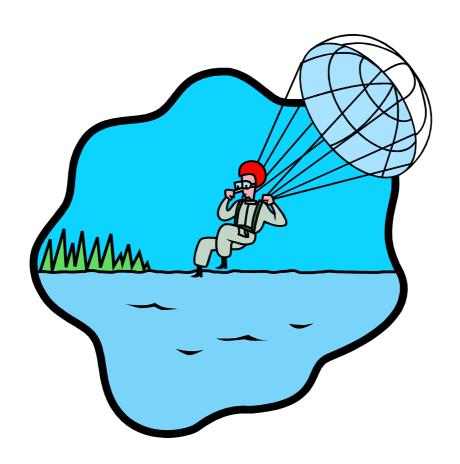
http://news.bbc.co.uk/1/hi/england/8236895.stm

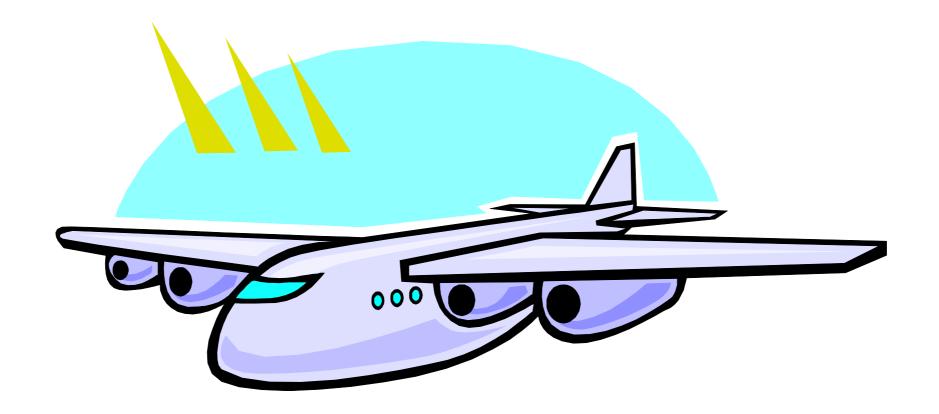
Task

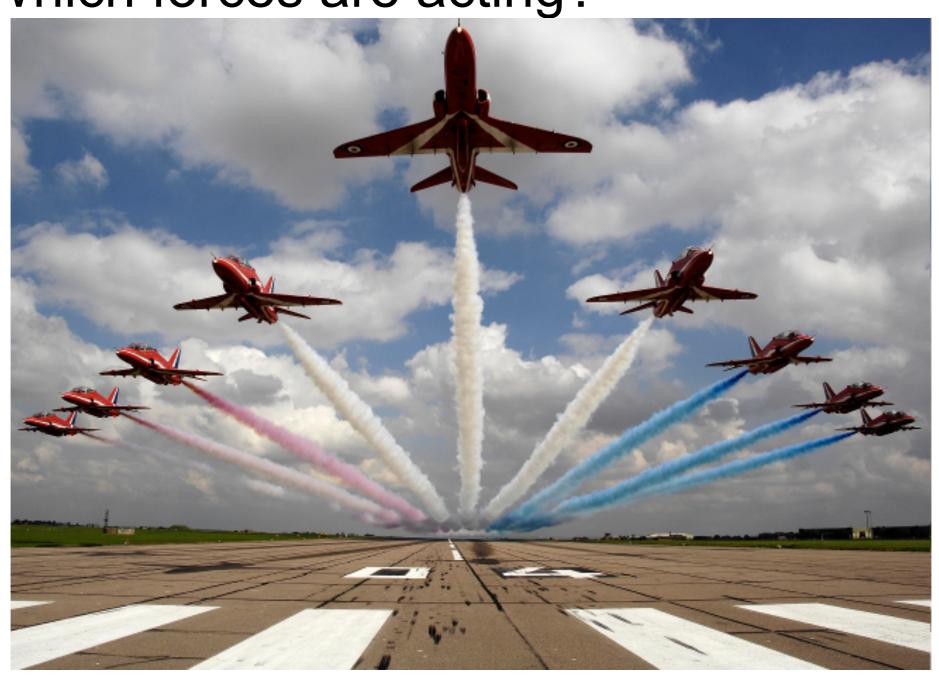
Think about the forces acting in the following pictures. If you can, print off slides 4-8 so you can draw the forces on. If you don't have a printer you could just make a quick sketch of your own. The answers are at the end of the PowerPoint.





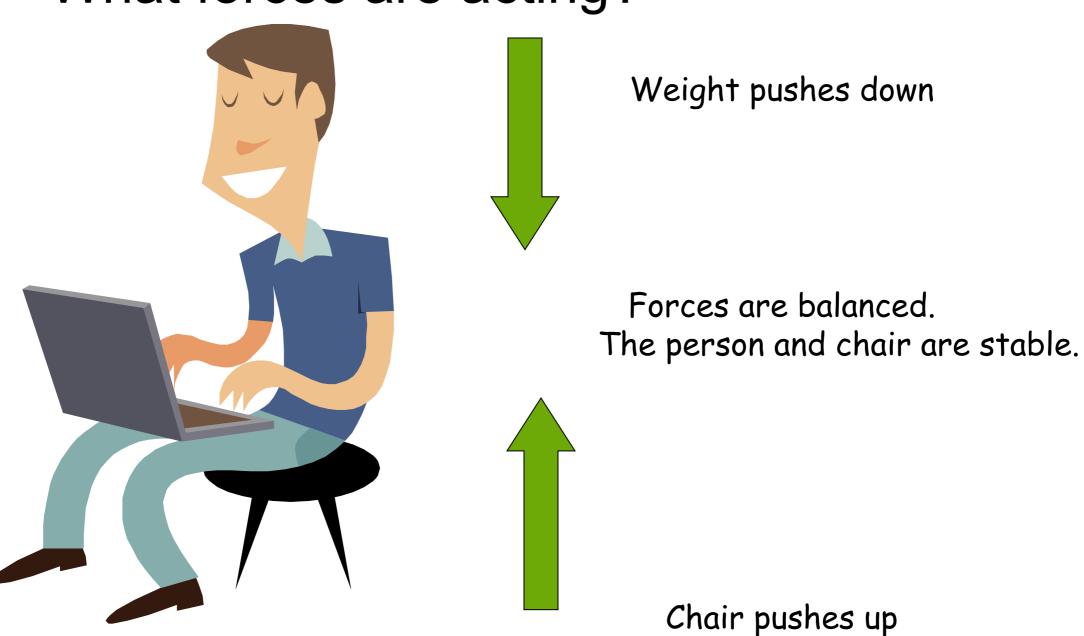






Now to check your answers.

What forces are acting?



What forces are acting?



