

9 The Second Force of Flight – Thrust

What is thrust?

Thrust is the force that moves an aircraft through the air. It overcomes the drag and weight of an aeroplane. Aircraft engines generate thrust through the propulsion system (propeller or jet engine).

Rocket – thrust investigation

Watch the following clip and look at the thrust power of the USA Saturn V rocket taking off in the 19702.

<https://www.youtube.com/watch?v=ViNcBQ8cDA0>

Rocket thrust experiment

<https://www.youtube.com/watch?v=z4645B03AC4>

What is a fair test?

Think about the experiments that you saw in the clip. Did different variables (amount of tablet, temperature of water, etc) affect the result?

In a fair test everything must be the same, except the variable that you are testing.