

Research the work of Sir Isaac Newton, produce a presentation to show how his ideas helped people's understanding of forces and are still very important today
(6 points)

Find examples of springs used in everyday objects, take pictures and explain the purpose of the spring in each example.
(3 points)

Choose an example of natural and man-made streamlining. Use an image of each and label to explain how streamlining can increase speed and save fuel. You should explain the effect of streamlining on friction.
(5 points)

Using the principles of Levers and Force Multipliers, explain (including diagrams) how the following simple machines can make a job easier
a) a Crowbar b) a Nutcracker c) a Spanner
d) A Wheelbarrow
(6 points)

Create a Key word list with definitions for this unit of work
(3 points)

Use your understanding of the equation for speed to explain how Speed Cameras work (5 points)



Create a quiz based on the content covered in this unit – this could be hand written, created in PowerPoint or an online quiz using Kahoot or Blooket
(www.Kahoot.com , www.blooket.com)
(5 points)

At home find examples of Pushing Forces, Pulling Forces and Turning Forces, take pictures or videos of these.
(3 points)

Produce an Infographic to compare the Force of Gravity on different planets.

Describe the changes in gravity you would experience on a spacecraft travelling directly from the Earth to the Moon
(65points)

Science Homework Menu

Forces and their Effects

Homework can also be emailed to jelmes@glebefarmschool.co.uk