

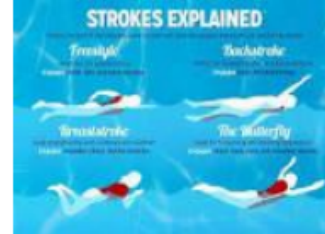
## Autumn Term 2 Homework about Forces

Choose one of the following to complete by Friday 15th December

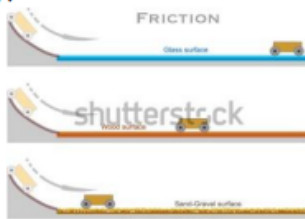
Research the biography of Isaac Newton. What theory did he discover? Present this in an interesting way.



Investigate different swimming styles used by professional swimmers. Can you explain why some techniques may be faster than others.



How do surfaces affect friction?  
Move an object across different surfaces and record your findings. Which surface is fastest and why?



James Dyson was the inventor of which appliance and how did he get his idea?



What are gears and how do they work?  
Find objects around your house that use gears make things move in different directions, more quickly or slowly.



Make a parachute using different material and describe how gravity and surface area affect their landing?

You need to drop the object from the same height for a fair test.

