

Science

Forces

Y5 - Identify and define the opposing forces that act upon objects moving through air, water or along a surface.

Y5 - Describe the force of gravity, what causes it and how the force of gravity changes (e.g. if we were standing on a different planet).

Y5 - Use study skills to research the work of scientists such as Galileo and Newton.

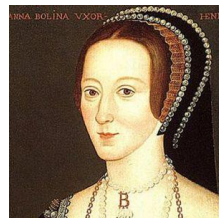
Y5 - Demonstrate, using a model, how simple levers, gears and pulleys assist the movement of objects using less force.

Y5 - Make predictions, supported by scientific reasoning to test the effects of friction on movement and distance travelled.

Y5 - Compare the speed with which objects of different shapes and surface area fall through the air or water, and explain the reason for any differences in terms of the forces acting on the objects.

Y5 - Classify and group forces based on their actions or whether they act directly, or at distance.

Off with her head!



Our keys skills this term

Computing

Y5 - With support, begin to produce algorithms by using logical and appropriate structures to organise data, and create precise and accurate sequences of instructions.

Y5 - Demonstrate knowledge and understanding of computer systems and hardware by identifying and defining the functions of the processor, memory, backing storage and peripherals in a typical desktop computer.

Y5 - Find and cite the web address for any information or resource found online.

Y5 - Judge what sort of privacy settings might be relevant for reducing different risks.

Y5 - Judge when to answer a question online and when not to.

Science

Working scientifically

Y5 - Raise different types of scientific questions, and hypotheses.

Y5 - Plan a range of science enquiries, including comparative and fair tests.

Y5 - Plan and carry out comparative and fair tests, making systematic and careful observations.

Y5 - Take measurements using a range of scientific equipment with increasing accuracy and precision.

Y5 - Use and develop keys to identify, classify and describe living things and materials.

Y5 - Record data and results of increasing complexity using scientific diagrams, labels, classification keys, tables, bar and line graphs and models.

Y5 - Use relevant scientific language and illustrations to discuss, communicate and justify their scientific ideas.

Y5 - Use a simple mode of communication to justify their conclusions on a hypothesis.

Y5 - Begin to recognise how scientific ideas change over time.