

Science

Conducting a safe science investigation, what are the 5 possible effects a force can have?

In the real world, how does my hypothesis support my scientific conclusions?

How can you plan a fair test to prove/disprove your prediction?

Through your method and results, which variables impact centripetal force?

How can you record your method and results?

Where are rotational forces observed in everyday situations?

How do my results prove/disapprove my hypothesis?

What is a Fulcrum?

Fairgrounds

Summer 2024

Year 6

How does air resistance affect movement?

What are the similarities and differences between the ways in which light and sound travel?

How can we design investigations to explore the properties of sound?

How can you create multiple effects using light applying scientific knowledge?

How can you draw and build a range of series and parallel circuits?

What are the properties, benefits and drawbacks of the two types of circuit?

How could my investigation be improved?

How does water resistance affect movement?

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How can you improve your fairground game/ride using modelling and testing?

Which materials and tools are needed to design your fairground game/ride?

What other sources could inspire your own fairground game?

Which materials and tools are needed when incorporating magnetic/electrical mechanisms to your final design?

What are the criteria that would meet the needs of your client?

How could you improve your boat design using modelling and testing?