

# Year 3 Optional Homework Tasks



Create a piece of art using aluminium foil. You can find many examples on the internet by typing key terms, such as 'aluminium foil art ideas', into the search bar.

Watch videos or read information books to find out about friction in everyday life. Write a definition of what friction is; then create a table to describe occasions when friction is helpful and unhelpful.

Gravity is a force that pulls things to the ground. The scientist, Sir Isaac Newton, first described gravity. Use a range of sources to find out more about gravity and the life and discoveries of Sir Isaac Newton. Afterwards, design a poster to inform others about his discoveries.

Find out about air resistance. What is it? Design and carry out a parachute investigation using the link below to help you:

<https://www.bbc.co.uk/teach/class-clips-video/science-design-and-technology-ks2-harnessing-air-resistance-with-parachutes/zjps382>

Make a simple cart from a cardboard box, dowelling and different types and sizes of wheels. Explore different materials and ways of affixing the wheels and axles to the chassis, ensuring that the wheels turn freely.

Design and make a magnetic travel game. Conduct market research to find out what board games are popular amongst friends and family and use this information to inform your design. Test your games whilst travelling with parents and feed back on their effectiveness.



# Topic: Mighty Metals!

