



Believe to Achieve

Year 3 TOPIC HOMEWORK Autumn Second Half Term

Mighty Metals

Choose **one** of these tasks to complete:

Robots of the future!

You might choose to research some of the tasks carried out by robots. Record this research into a fact file with facts and photos. What tasks do you think robots could do in the future? What jobs would you like a robot to do in your house? At the end of your fact file, present an idea for your own robot, one where it will help out with jobs around the house, so you don't have to do anything. Include a drawing of your robot, labels for the different parts and a short explanation of what your robot actually does.

Investigate surfaces!

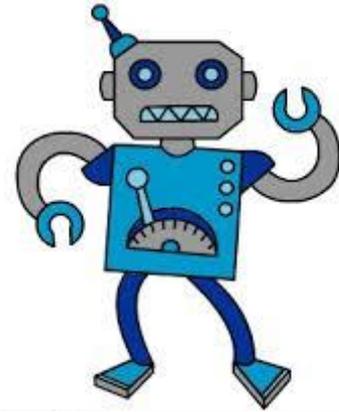
You may wish to investigate the best surfaces at home for toy cars to travel on. You could use carpet, tiled floor or any other material that you have available at home. Use 5 materials in total. Make a prediction: Which material will the cars travel best on? Carry out the investigation. Measure the distance travelled for each type of surface and rank them in order of effectiveness. Make a table or bar chart to show your results. Write a conclusion – which force is acting to slow down and stop the cars from moving?

Metal artwork!

How much do you know about metal artwork? Search the internet to find artwork made using metal and make a scrapbook of these images. Around each piece of artwork write down what you like about it and how the artist has created it. Choose your favourite piece of artwork and sketch it on an A4 piece of paper and use your choice of media (paints, chalks, oil pastels, colouring pencils) to represent it.

My perfect playground!

You may choose to design your perfect playground. Draw a picture of your playground design on a piece of A3 paper or some poster paper. What equipment would you have in your dream playground? Label your diagram with what each piece of equipment is and what material it is made out of.



Useful Websites:

<http://www.telegraph.co.uk/technology/news/10805058/Which-jobs-will-we-see-robots-doing-in-the-future.html>

http://www.bbc.co.uk/schools/scienceclips/ages/8_9/friction.shtml

<http://www.brilliantwallart.co.uk/Metal Wall Art--category--5.html>

Since you are producing one piece of homework from the options above, we would like this to be presented to a high standard. We will see the final piece, but you will need to have done the following:

- Thorough research
- Made notes
- Planned your work
- Made a first draft
- Edited and improved your initial ideas
- Checked for spelling and grammar accuracy
- Completed a final piece with illustrations

We encourage help and support from parents, carers and other adults, but make sure what you hand in to be marked is your own work!

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