

Literacy

- Create a poster to advertise the machine you have invented. Remember to use persuasive language.
- Create a leaflet as a manual, explaining how your invention works. Your instructions will need to be VERY clear.
- Choose one of the following and create an explanation of how they work: volcanoes, tornadoes, tsunami.
- Choose something you're interested in and create a presentation on 'slides' on Hwb on how it works. Present it to your family.



Numeracy

- Research ten different car models. Find out how much they cost to produce and how much they are sold for. Work out the profit for each model. Record your findings in a graph.
- Help make a (three course) meal for your family. Work out how much it costs per person. Could you make it any more cheaply?
- Use the data you collected about the highest mountains and make up your own maths questions about them. Order them, tallest to shortest.



Health and Wellbeing

- Keep a daily record of your wellbeing. If you have a 'down' day, try to work out what caused it and what made you feel better. Try to avoid your triggers that make you feel 'down'.
- Research the brain and how it works. and label a diagram of it. What part of the brain controls your moods.
- Find out how exercise improves mental and physical health.
- Do 30 minutes of physical activity every day. Keep a diary of your activities and how exercise makes you feel. Record any improvements you make.



Expressive Arts

- Invent your own machine that will make life easier in some way. Draw and label a detailed sketch of it. What purpose does it have? How will it help?
- Make a marble run out of old cereal boxes. Take a picture of your finished product.
- Make your own bread and investigate how yeast works. Record your findings.
- Choose one of the highest mountains you have researched and make a papier mache model of it.
- Draw and label a scientific diagram of a flower.



Science and Technology

- Make a boat that floats and will successfully transport a lego-sized figure across the bath. Use materials found around the house. Take a photo of your boat. Remember to be ready to say how you could improve your boat.
- Collect some toilet roll tubes. When you have 10, make the tallest free standing structure you can using only the 10 tubes, Sellotape and scissors.
- Make a paper aeroplane and record how far it goes:
<https://www.youtube.com/watch?v=7Cy3lRjGIR4>
- Make a fidget spinner:
<https://www.youtube.com/watch?v=WMDsfhAJ9D4>
- Make a periscope and investigate how light works. Record your findings:
<https://learning.sciencemuseumgroup.org.uk/resource/s/periscope/>
- Research and record how mountains are formed.



Humanities

- Create a timeline of famous inventors. Make sure to illustrate your timeline.
- Choose an invention that interests you and research it. Record your research.
- Research the ten tallest mountains of the World and record your findings in both miles and km.
- Use a World map to locate where they are.
- Research any famous explorers or legends that are connected to these mountains.

