



## **Home learning Activities Year 3**

### **Summer 1 Inventions that changed the World**

This half term we will be using the amazing engineering, machines and technology that we use everyday, as inspiration for our learning. We are trying to ask questions around who, why and how something was created. For example, why was the iron bridge created? Who's idea was it? Was it easy to build?

In this topic we will also try to learn some of the names of the great inventors and find out what inspired them to create something new and different, often using enormous levels of determination and perseverance. We will also be thinking about the future. We will look at the challenges our World is facing and how this is inspiring engineers to develop new more sustainable ideas. Here are some ideas for activities to further your learning at home.

- We will be using the word engineer a lot over the next few weeks, but what is an engineer?
- In the news politicians will often talk about a sustainable future, discuss what sustainable means.
- Choose a gadget in your house, for example a mobile phone. Who was the first person to invent it?
- Be an engineer! What is the tallest structure you can make from junk box modelling materials? Measure it in m, cm or mm.
- Now try to build a bridge. You can use newspaper, rescued recycling boxes, even Lego. How far does it reach in one span? Can it hold a can of beans?
- What do you think the greatest invention is? Write a small fact page about the invention, why it is important and who the inventor was.
- We have wonderful engineering in our local area, from the canals to the Iron Bridge. Do some research about something that you pass while out on a walk. Remember to think who, how and why.
- How do you help with sustainability? What can you do at home or school to help reduce how much we consume? Create a poster listing what we can all do to help the planet.
- We often use the Internet to find things out and communicate with each other, but what is the Internet? Who invented it? How would our lives be different if we didn't have the internet?
- We all go to school, but who invented the idea of school?
- What would you invent? Draw and label a diagram of a wonderful new invention. To get your ideas flowing, think about something that you use, then think about how to make it better.

Have fun,

Mr Roden

Please don't forget to do your reading every day for 10 minutes and make sure you complete your weekly English and Maths tasks in your homework booklet. Please also practice the x3, x4 and x8 tables, thank you.