

### Activity Ideas - Year 4

Education City has lots of valuable resources for English, Maths, Science and Computing. We would recommend using this website, if you have access to the internet, to support your child in these subject areas. White Rose maths and Oak Academy are also a great resource for helping your child in maths and look at the Woodston website and twitter feed for more ideas.

<https://whiterosemaths.com/homelearning/>

<https://www.thenational.academy/online-classroom/schedule>

### Using the Internet For Research

When your child is searching the internet, encourage them to use a child friendly search engine so the results are websites that are suitable and easy to understand independently or with you. <https://www.kiddle.co>

#### Queen Victoria

Watch the funny and educational BBC video explaining who Queen Victoria was and what she did.

<https://www.bbc.co.uk/teach/class-clips-video/ks2-queen-victoria-the-ultimate-victorian/z79vhbk>

- Queen Victoria wrote in her diary everyday. Can you write a diary entry? Maybe it was for today, or last week, or the favourite day of your life? Maybe you want to use your imagination and write a diary entry for the future. What will your day be like when you are 25?
- Queen Victoria loved photography. Do you have a favourite photograph? Why is it your favourite? What was happening when it was taken? Who is in the photo? Write or video a short explanation about why you like the photograph and explain the story behind why it was taken.
- Pretend you are a famous photographer. Take some photos in any way you can. In the past they used film and they could only take a small amount of photos. These photos couldn't be seen until they were developed and they couldn't be deleted. Take a maximum of 12 photos of anything or anyone you like. Think about the composition of the photograph. Will it be close up or from far away? Will it be an action shot or something that is still? Which of your photos are the most successful and why?

#### Isambard Kingdom Brunel

- Watch the funny and educational BBC video explaining who Isambard Kingdom Brunel was and what he accomplished.

<https://www.bbc.co.uk/teach/class-clips-video/ks2-isambard-kingdom-brunel-engineering-genius/zb9vhbk>

- Isambard was a maths wizard and used symmetry and geometry to create his amazing structures. Explore the geometry section of Education City and test yourself on your shape, coordinates and symmetry knowledge. Look around your house. What right angles can you see? What 3D shapes can you spot? What objects in your house are symmetrical? Draw an image of a house, pattern or picture that is symmetrical. Use a mirror to help you.
- Brunel talks about physical and human geography. When you take a walk or go outside in your garden, make a list of all the different geographical features. For example, human geography are things built by humans such as roads, houses, shops or offices. Physical geography are natural features like forests, hills, weather and rivers. After, test yourself on the games at the link below. <https://wordwall.net/resource/58780/geography/physical-or-human-geography>
- Isambard understood how to build boats because of buoyancy. Carry out a science investigation on buoyancy. Fill a container (like a bucket, washing up bowl or sink) with water and put objects in to see if they float or sink. Make a prediction **before** you place the object in and see if your prediction was correct. Create a table to show your results!

#### Victorian Inventions

- Watch the funny and educational Horrible Histories video about inventions from the Vile Victorians.

<https://www.youtube.com/watch?v=N9g6kWoMHHs>

- Make a list of all the Victorian inventions that we still use today. You may need to watch the song a few times!
- What is your favourite invention from the Victorian age? Maybe it is the flushing toilet, camera or dynamite? Create a persuasive piece of work explaining why it is the best invention. You could create a fact file, poster, write a short paragraph or record a presentation. Remember to use persuasive techniques such as rhetorical questions, alliteration, facts and opinions.
- Most people love their mobile phone so research the inventor of the telephone, Alexander Graham Bell, using the website below. Can you create a quiz for your family, friends or your teacher using what you have learnt? <https://www.sciencekids.co.nz/sciencefacts/scientists/alexandergrahambell.html>
- Although many new and interesting things were invented during the Victorian era, life was hard for normal people. Explore some of the everyday objects from this time at the link below. How have they changed over time? Do you recognise any of the objects? Do you or your family use modern versions? <https://www.objectlessons.org/houses-and-homes-victorians/s59/>