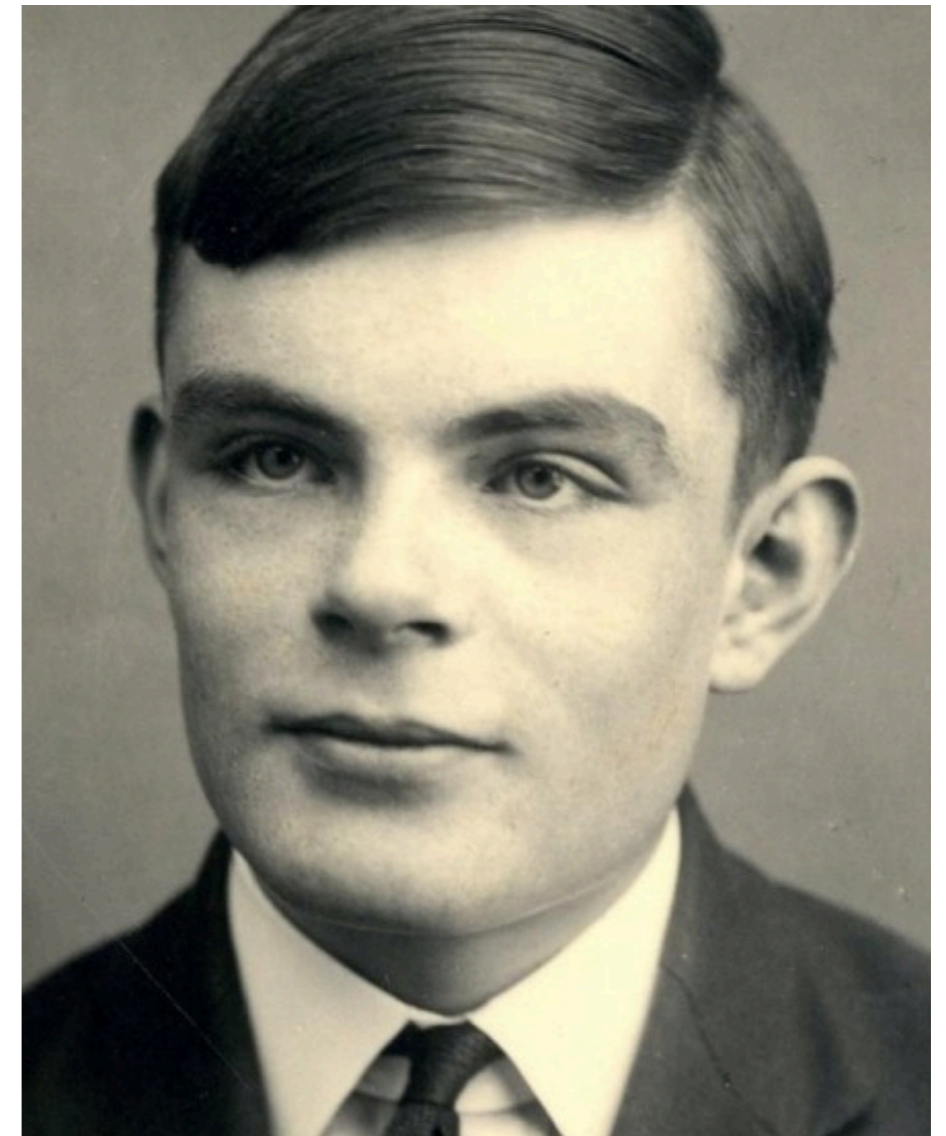


Marvellous Mathematicians & Super Scientists

YEAR FOUR PROJECT 22.6.20



Alan Turing

Who was Alan Turing?

As a young boy, Alan fell in love with science. At school, he went on to conduct his own chemistry experiments, and by the time he was at university, Alan began to invent ways to change the world. He was an inspiring mathematician, code breaker and scientist who built machines that could outwit people!



Writing & History

This week we would like you to do some research on marvellous mathematicians or super scientists. We have featured Alan Turing in this project so you may want to base your research on him but there are many more such as Ada Lovelace (we studied her in our technology project), Maryam Mirzakhani and Katherine Johnson (you may have to dig a little deeper to find out about some of these amazing people).

At the beginning of Year 4 we wrote a biography about a famous person in history, Boudicca. Do you remember who she was and

Listen to the story
of Alan Turing.
[CLICK HERE](#)

the features of a biography? To help you, Mr Waddington has recorded the life story of Alan Turing and you can view this on YouTube. You can write your own biography about your marvellous mathematician and send it to us at yearfour@thackleyschool.com

Once you've made a list of facts about your famous person you can turn these facts into amazing sentences for your finished piece of writing. Don't forget to include fronted adverbials, rhetorical questions and double adjective sentences e.g. commanding and powerful, determined and tough, Boudicca was a powerful warrior and leader. Have a look at the WAGOLL on the next page.

Biography WAGOLL (What a good one looks like)

Boudicca

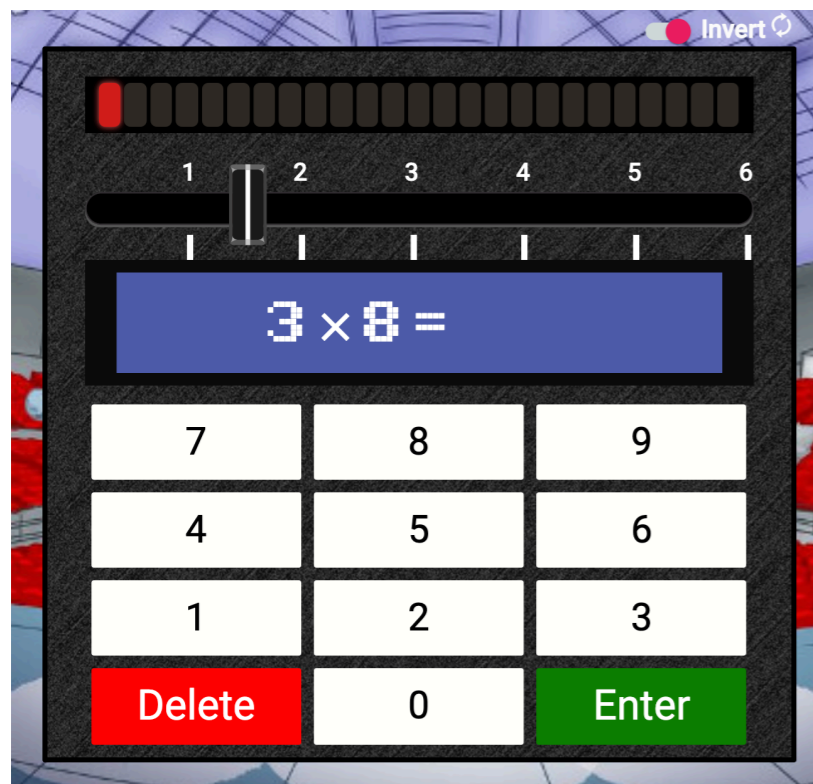
Boudicca was a Celtic queen who led a rebellion against the Romans. As a young woman, she was married to King Prasutagus, the leader of the Iceni tribe, and they had two daughters. At first, the Iceni were on good terms with the Romans who had invaded Britain in 43 AD. For many years, the tribe enjoyed a peaceful existence but with the Ruthless Romans in charge, how long could it last?

Boudicca was said to have been very tall, strong and grim, with red hair, a sharp gaze, harsh voice and a fierce intelligence. Reportedly, she wore elaborate gold jewellery, a sweeping cloak of plaid and drove her own chariot, carrying a spear in her hand. Commanding and determined, shrewd and tough, Boudicca was a powerful warrior and leader.

After many years of peace, Boudicca's husband died in AD60. Following on from this, the Romans attempted to seize the Iceni land. Furious, Boudicca responded by leading a great revolt against them. Her army firstly attacked Colchester, then London and finally St Albans, burning these cities to the ground and killing their inhabitants mercilessly.

Trained and equipped, organised and ruthless, the Roman army eventually defeated the rebels. Even though they were outnumbered, both the Romans superior weaponry and their extensive training enabled them to inflict a crushing defeat on the Britons. Despairing, Boudicca decided to kill herself rather than surrender to her enemies. Today, Boudicca is remembered as one of the most famous women in British History. Strong, clever and brave, she is an inspirational figure. Her memory encourages many people to stand up for their rights and freedoms.





Maths & Multiplication

Alan Turing was very good with numbers! How well do you know your times tables? By the end of Year 4 you are expected to know all your times tables up to 12×12 .

If school was fully open, you would have completed a multiplication check. We did some practice runs when we were in school in March. This week we would like you to log on to TT Rockstars and practice as much as you can.

From 10am on Friday 26th June, when you log on to TT Rockstars you will be asked to play two Soundcheck games. You will have one practice round to warm up and then the second round will record your score.

We just want to see how well you are doing but don't worry if you get some wrong, just try your best.

Some of you have worked really hard to gain your Times Table Champion badges and we want you to continue being multiplication stars. If you have lost your login details please email us and we can send them to you.

Access TT Rockstars here:

<https://play.ttrockstars.com/>

Your daily Maths activities are still available at the following websites:

BBC Bite size

<https://www.bbc.co.uk/bitesize/tags/z63tt39/year-4-and-p5-lessons>

Oak Academy

<https://classroom.thenational.academy/subjects-by-year/year-4/subjects/maths>

White Rose Maths

<https://whiterosemaths.com/homelearning/year-4/>

**Friday
26th June 2020
10am**

**Logon to TT Rockstars
to complete 2
Soundcheck
games!**

Design Technology

Alan Turing designed a machine that could calculate any sum. What machine would you design and what would it do?

Science

Alan loved Chemistry. In Year 4, we learn all about solids, liquids and gases.

[Click here](#) to play a sorting game online. You can then create a poster that shows how you can sort items into three groups, solids, liquids and gases.

History

Watch this video <https://www.bbc.co.uk/teach/class-clips-video/history-ks2-codebreaking-in-world-war-two/zdq2jhv> to learn all about code breaking during World War 2. The Bletchley Park website also has lots of information about Alan Turing and codebreaking. [Click here](#) to download some codebreaking activities.

Computing

Alan's designs were the ancestors of the computers we use today. In 2019, there were two winners of the Turing Award. They won this award for their contributions to 3D computer graphics. There are many 3D games on Scratch. Just search for 3D in Scratch and see if you can remix or create your own 3D animation or game.

<https://scratch.mit.edu/>

Mr
Waddington reads the
story of Alan Turing.
[CLICK HERE](#)

Reading

The Little People, BIG DREAMS series of books help you to discover the lives of outstanding people. [Click here](#) to find out about these books. There are also some activity sheets [here](#).

Art

Have you seen the Thackley Rocks? Did you know that the study of rocks is called Geology and is a Science? Why don't you have a go at creating a painted rock?

