



# Senior Class - Water Summer 2024



## Maths

Y7/8 are going to finish some algebra work from last term looking at substitution. We will then move on to learn about probability. Next term we will do some work on data and averages.

Y9 will spend this half term learning about inequalities before moving onto some work on 3D shapes, including surface area and volume. Next half term we will begin to work on the GCSE content.

This term our school topic is Water. Our biblical context can be found here.

[https://www.bethanyschoolsheffield.org/\\_files/ugd/fd4d1c\\_7e5347a3f02d404685d5f4cfc4ec1e7.pdf](https://www.bethanyschoolsheffield.org/_files/ugd/fd4d1c_7e5347a3f02d404685d5f4cfc4ec1e7.pdf)

## Topic

This term we will study physical geography, concentrating on the properties, characteristics and importance of rivers. We will consider the effects of flooding and other natural disasters. We will weigh up the positives and negatives of the human impact in subduing our earth. We will learn about key rivers around the world and delve into the problem of water shortages in LEDCs. We will study TASTE as a water charity that the school already has links with.

## Science

In Mrs Robinson's science we will be learning about 'The wonder of Water'. We will learn why the water molecule is so special and some of its unique properties, including its use as a solvent, looking at hard and soft water and how water conducts electricity. We will also look at some environmental issues relating to water.

## English

In English this term, we will be reading through the novel "The Water Babies" by Charles Kingsley.

We'll use this to work on our comprehensions skills, and also as inspiration for different types of creative writing.

## DT

He is like a tree planted by streams of water that yields its fruit in its season, and its leaf does not wither. Psalm 1:3

Designing and making a moisture tester for house plants. We will be learning to build circuits and solder electrical components as well as manufacturing a finished product, based on the topic theme.

Whoever drinks of the water that I shall give him will never thirst. But the water that I shall give him will become in him a fountain of water springing up into everlasting life. John 4:14



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## Drama

In Drama, we will be rehearsing for our end of year show, "Cinderella", which will be performed at the end of June. The children will be getting involved in all aspects of the production. They are doing a great job so far and can't wait for you to see what they've put together!

## P.E.

Rugby with the professionals. Athletics with trips to the stadium in the run up to Christian Schools Sports Day. Opportunities to play tennis.

## Art

This term we will investigate how water can be used as a symbol or metaphor in the Bible & in Art.

In particular:

- The sea as a metaphor for division caused by death
- Water as life

The practical work will include studies from life of water in pencil, ink, charcoal and pastel. This will provide an opportunity to investigate the challenges and disadvantages of using different media to convincingly depict the subject matter. We will also make copies of well known paintings by Hokusai, Monet & Matisse.

## Computer Science

This term, GCSE students will complete the Computing Concepts part of the curriculum, relating to the second exam paper. After Year 11 take exam leave, Year 10 will use the rest of their time to consolidate Python & Computing Concepts, & practice exam questions.

Year 9 will continue on two tracks, which they will elect: i) developing & consolidating Python for program development, and ii) developing & consolidating web development using HTML & CSS. We will open the year by equipping students to set up their own web development environments, so that they can build websites from scratch! Very cool & exciting!

## World View Studies (Y7/8)

During the RSE (Relationship and Sex Education) unit of WVS, we will discuss puberty, fertilisation, pregnancy, contraception and IVF. In the second half of the term we will look at what influences us (e.g social media, Television include internet safety musicians and lyrics). We will also look at different worship songs and what make a good worship song. This will then lead onto looking at other types of worship music in different faiths.

## French

This term the Y7-8 class will be studying the following:

Food & drink  
Healthy eating & lifestyles  
Health & illness  
Weather

The environment

All these topics have a good link to water and give us the opportunity to begin some very useful prep for GCSE whilst making our learning as enjoyable as possible.

In Year 9, we have already started the GCSE French course, which gives us a whole term to get to grips with the first topic and lots of great grammar like the past and future tenses.  
Merci beaucoup!