**Science**   
We will be learning about the states of matter (solids, liquids and gases) and looking at the properties of each. We will also be completing investigations on reversible and irreversible changes of state. After half-term, the children will learn about thermal insulation and which materials are good conductors.

**Art/DT**

In Art, we will be looking at Harbour pictures by a variety of artists and producing our own watercolour painting in a similar style. Next, we will be completing some observational drawings of Menorah candlesticks linked to our RE topic on light. In DT we will be making pop up pictures using a variety of cutting, joining and folding skills. The children will also spend a morning practising their cookery skills making Welsh Rarebit.

**PE**

The children will be playing some invasion games focussing on using tactical skills to gain an advantage as well as teamwork and communication. In gymnastics, we will be devising a sequence in pairs which will be performed to music. We will also be completing some orienteering activities.

**Computing**

We will begin by focussing on online safety and understanding the internet, then move on to a unit about audio production where the children will be able to record themselves and create a podcast using ‘Audacity’.

**PSHE**

In PSHE our first theme will be “Me and my relationships” looking at teamwork and friendship. We will then move onto the topic of “Valuing difference”, focusing on respect and tolerance of others.

**French**

We will be looking at families, birthdays, addresses and saying simple phrases.

**Music**

The children will be reading water poems and performing them to music and then we will be learning to play the glockenspiel.

**Wider Curriculum**  
Intra-sports, Children in Need, Class Christmas Party, Life Education visit, Rock Kidz

**R.E.**

Our first unit is called ‘Expressing faith through Art’, where we will look at famous religious artwork, icons and sculptures before creating our own. After this, we will learn about what the Bible says about prayer in comparison to other religions. Nearer Christmas, we will look at how various religions use light as a part of their festivals and the significance this has.

**English**  
To begin the first half term, we will be revisiting non-negotiable grammar and punctuation in our writing with work based around the book “Gorilla” by Anthony Browne. We will then complete research and write a letter, a non-chronological report and a story linked to the ‘Mystery of the Loch Ness Monster’.

Our next writing genres will be poetry and an explanation

text. Our poetry theme is ‘Water all around us’, the children

will be studying a variety of poems based around rivers and water, before using different structures to compose their own. We will then be compiling an explanation text based on the water cycle, with all writing topics following the Jane Considine scheme.

In SPAG, we will be trying to incorporate fronted adverbials and noun phrases in our writing. Our spellings will focus on the Lower KS2 lists this term.

**Year 4 Autumn “Water all around us”**

**Key Vocabulary**

Solid, liquid, gas, state, matter, River Lune, Ordinance Survey, physical feature, human feature, prayer, adverb, noun phrase

**Values**

**Love**

**Peace**

**Maths**  
 A focus this term, as well as all of Year 4, will be on the Times Tables from 1-12. The children will extend their knowledge of place value, including rounding to the nearest 10, 100 and 1000. We will be adding and subtracting 3 and 4- digit numbers with and without exchange. We will be finding the area of shapes and comparing different areas.

The children will also recap their knowledge of Roman numerals, as well as learning how to effectively estimate answers. Each lesson will include a mixture of fluency-based questions, as well as problem solving and reasoning. Children will be encouraged to use concrete resources and visual aids as much as possible to support their learning and understanding.