

## Class 4 Curriculum Spring B

### Maths

#### ★ Fractions and Ratio

*Using ration language, ratio symbol, calculating ratio, using and calculating scale factors, problem solving*

#### ★ Decimals and Percentages

*Decimals to 2 d.p., decimals as fractions, thousandths, 3 decimal places, round, order and compare, multiplying and dividing decimals by 10, 100 and 1000, multiply and divide by integers, fractions to decimals, understand percentages, percentages as fractions and decimals, equivalence, percentages of amounts, adding and subtracting decimals.*

#### ★ Algebra (Y6)

*Find 1 and 2 step rules, forming expressions, substitution, formulae, forming equations, solve ½-step equations, find pairs of values, enumerate possibilities*

### Computing

#### Internet Research and Webpage Design

★ Children will develop skills for searching the Internet with the introduction of creating and editing a webpage using Google Sites. Children will learn how to use some of the other advanced search features in Google, such as fill in the blanks; and how to create a webpage with a layout of their choosing which includes images and links to other webpages. Children are encouraged to consider related e-safety issues such as use of logins and passwords, and the use of their own images.

### PE

#### Dance; Football

★ The children will learn a range of techniques in dance, and design their own Haka.

★ In Football, children will work on gameplay strategies, skills and teamwork.

### English

#### Fiction:

★ Post-apocalyptic narrative and dialogue

#### Non-fiction:

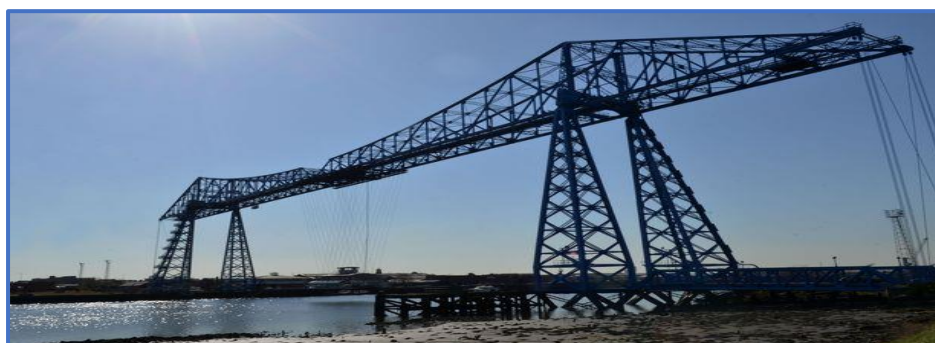
★ Non-chronological report: river mammals of the Tees

#### Poetry:

★ Poetry forms: acrostic, haiku, cinquain, kenning, limericks, free-verse

### The River Tees

This term in Geography, we will be learning all about rivers, including their geographical features, uses and importance. This will include a study of the environment in and around the River Tees and along the Hartlepool coast, the river mammals that make the Tees their home, the geography of the Tees and the industry and settlements around it. We will look at the work of Mackenzie Thorpe and similar artists and styles in Art, and recreate his work on the Transporter Bridge.



### French

#### That's tasty

★ We will learn a range of vocabulary to describe food, cooking and eating out in this unit.

### Science

#### Water

★ We will also be learning more about water and the water cycle, to correspond with our Topic work this term. We will create our own water cycle in a bowl, investigate the spread of germs, find out how much water can be saved by turning the tap off and looking at the science behind a simple rope pump by making our own model and testing it.

### PSHCE

#### Be Yourself

★ The children will learn that we are all individuals and that it is important to 'be yourself' and develop a positive view of themselves and be proud of their individuality. They will recognise situations where they need to make positive choices in order to do the right thing, how to avoid being led into tricky situations and how to recognise and respond to peer pressure. We will also look at how to be confident and how to manage uncomfortable feelings. They will also investigate how to make things right when they make a mistake.

### Music

#### A New Year Carol

★ All the learning is focused around one song from Benjamin Britten's Friday Afternoons: A New Year Carol. Other learning within the unit gives the children the opportunity to research Benjamin Britten's life and to listen to many of his other works

### RE

#### The Environment

★ This half term we will be exploring how faith impacts on people's views and actions on environmental issues. What do different faiths teach about the environment? What actions does this encourage people of faith to take?

## Maths

### ★ Measurement: Converting Units

*Convert between and use units for mass, length, volume, time and money, recognise and convert metric and imperial*

### ★ Area, Perimeter and Volume

*Measure and calculate perimeter, area of shapes, Rectilinear shapes/parallelograms and triangles, estimate/calculate volume and capacity*

### ★ Statistics

*Read and interpret tables, line graphs and timetables/pie charts, mean, median, mode and*

## Computing

### 3D Modelling: TinkerCad

★ The children will extend their drawing skills to create 3D models based on using the software TinkerCad.

Children will learn how to create simple and complex 3D models. They will be able to add detail and manipulate 3D models using a variety of tools.

## PE

### Netball; Cricket

★ In Netball, the children will learn how to dribble and pass the ball using a range of different techniques.

★ Children will practise batting, bowling and fielding techniques and learn more about scoring.

## RE

### Why is the Last Supper so important to Christians?

★ We will revisit the story of Easter and explore the importance and meaning of events leading up to the Crucifixion.

## English

### Fiction:

★ Fantasy genre: science fiction narrative and dialogue

### Non-fiction:

★ Persuasive writing: Water Aid appeal

★ Biography: Ralph Ward Jackson

## Ralph Ward Jackson

This term in History, we will conduct a local history study about the founding of West Hartlepool, finding out why this came about and how it affected the local area. We'll learn about Ralph Ward Jackson, his achievements in his lifetime and how he is remembered today. We will also find out about the people that founded our town, why this came about and how it affected the population and human geography of the surrounding area. In addition, in DT, we'll investigate how to make a moving platform for a bridge like the Transporter using pulley mechanisms.



## French

### Family and friends

★ We will learn how to describe family members and their relationship to us, as well as talking about what we like to do with friends.

## Science

### Forces

★ Children will learn about types of forces such as gravity, friction, water resistance and air resistance. Children will learn about the use of mechanisms such as levers, gears and pulleys. The children will identify forces and find out about Isaac Newton. They will look for patterns and links between the mass and weight of objects. They will also investigate air and water resistance. They will also explore friction. The children will discuss how variables other than the one being tested can be kept the same to help make a test fair. Finally, they will find out about different mechanisms, including levers, gears and pulleys, and will design their own machine.

## Music

### You've Got a Friend

★ All the learning in this unit is focused around one song: You've Got a Friend by Carole King. They will use games to explore the elements of music (pulse, rhythm, pitch etc.), and singing and playing instruments are all linked.

## PSHCE

### It's My Body

★ The children will learn about how to take care of their bodies. This will involve learning about consent and autonomy, learning about body image and stereotypes and learning about substances which are harmful to our bodies. Children will also learn about the importance of sleep and keeping clean, especially as their bodies change. They will explore the things that influence the way people think about their bodies, where different pressures can come from and how these pressures can be resisted. The children will be encouraged to consider the choices they have and learn about the support that is