

Year 5 Curriculum Term 5

Topic Title: Tides of change

English

Descriptive Writing – In the first week of term, we will be using figurative language skills to write a character description of the bear using ambitious adjectives, a description of the bear attack in chapter one using powerful verbs and a setting description of the forest that the book takes place in using personification.

Newspaper Reports – We will then move on to write a newspaper report about the bear attack in chapter one. We will focus on using formal language, speech and weaving speech and action to report on the event.

Non-Chronological Reports – In week three, we will be creating non-chronological reports in the form of survival guides to live in the wild like Torak. In our survival guides, we will focus on using technical vocabulary, compound sentences and parenthesis.

Recounts – We will be writing diary entries and monologues, focusing on using emotive language, control of tenses and maintaining a viewpoint throughout a piece of writing. We will begin the week by writing a diary entry from the point of view of Torak, focussing on using emotive language to describe how he is feeling after discovering the truth about his Fa, the bear and the clans. We will then move on to write and perform our own monologues, focusing on using a range of sentence types to build emotion for the reader.

Narrative – To finish our learning around this text, we will be writing our own endings for Wolf Brother, considering what has happened already in the text and what could happen next. We will be focusing on weaving speech and action to make our narrative interesting for the reader, before focusing on how to write an appropriate closing for a narrative.

Maths

Number and place value:

To count in steps of powers of 10 up to 1 000 000

Read Roman numerals

To solve problem including all of the above.

Addition and subtraction:

To subtract measures using the column method.

To add measures using the column method.

To solve multistep word problems using the bar model.

To add and subtract decimals

Multiplication and division:

To understand the law of distributivity

To use the distributive property strategy to divide ‘friendly’ numbers.

To interpret remainders appropriately for the context

To interpret non-integer answers to division by expressing results in different ways

Fractions, decimals and percentages:

Recognise thousandths and relate them to tenths, hundredths and decimal equivalents.

Read and write decimal numbers as fractions.

To know that a percent means out of 100 & percent symbol.

Write percentages as a fraction with denominator 100.

Write percentages as a decimal.

Solve problems which require knowing percentage and decimal equivalence of $\frac{1}{2}$, $\frac{1}{4}$, $\frac{2}{5}$, $\frac{4}{5}$ and those fractions with a denominator of 10 or 25.

To convert fractions to percentages

Statistics:

To complete, read and interpret information in tables (including time tables)

		To make links with coordinates To choose the appropriate representations of data.
R.E. Stories of Christianity We will be learning about: <ul style="list-style-type: none"> The themes of the Bible and identify familiar stories The story of Ruth and Naomi The story of Daniel and relate this to religious persecution today The parables of Jesus 		PSHE Our PSHE project is 'Be Here, Be You, Belong' with the theme of acceptance. We will be learning about valuing ourselves and our own identities and exploring character strengths. We will then learn about safe relationships before moving on to consider empathy, compassion and safe relationships. There will be a whole school celebration of this learning on Friday 24th May on the field at 2:15 – our Be Here, Be You, Belong Parade that parents are warmly invited to attend.
Art This term our skill will be drawing. We will be looking at several artists that have used this skill effectively and discussing their work and techniques. We will learn to include measuring skills to help with proportion in our drawings, shade to create mood and texture, learn to add effects such as reflections and shadows and learn technical vocabulary.		Music This term, we will be focusing on developing repertoire. The songs we will learn are 'Three Little Birds' by Bob Marley (incorporating reggae pulse), '7 Years' by Lukas Graham, 'Happier' by Bastille and 'Sunflower' by Post Malone.
French: In this unit, we will be conjugating the verb 'faire' in the present tense to talk about our hobbies. We will then move on to learn how to express opinions on different activities using 'j'aime' and 'je n'aime pas' and give reasons for our opinions. Across the term, we will also revise our knowledge of translating colours, numbers and months of the year to support our learning.		P.E. We will be swimming in term 5, children will be aiming to swim a range of different strokes up to a distance of at least 25 metres. As a result of this, the children will gain confidence and understand the importance of water safety.
Thematic Curriculum		
Topic Title:	Tides of change	
Big Question:	How has Ramsgate changed over time?	
Blurb overview:	During the theme, Tides of Change, we will learn all about the history and geography of Ramsgate and how it has changed over time. We will study its historical importance and key events that have signified the history of the town and examine the impact rising sea levels have had on its Geography. In Science, we will learn about air resistance, water resistance and friction in the context of floating and sinking.	
Celebration of Learning	Visiting Ramsgate Harbour / coastline	
Text Links	A baker by the Sea by Paula White	
Oracy End Point:	Present finding of science investigation	Physical: Project their voice to a large audience. Linguistic: Consider the words and phrases used to express their ideas and how this supports the purpose of talk.

		Cognitive: To be able to give supporting evidence e.g. citing a text, a previous example or a historical event. Social and Emotional: Speak with flair and passion.
Science		
Substantive Knowledge		Disciplinary Knowledge
<ul style="list-style-type: none"> • To know that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object. • To know the effects of air resistance, water resistance and friction, that act between moving surfaces. • To know how to explore the weight of air by investigating inflated and deflated balloons. • To know how to explore up thrust and investigate how to sink a bottle. • To know how to investigate water resistance by creating different sized boats for hulls. • To know how to investigate how the size of a boat's hull affects the speed of its movement. 		<ul style="list-style-type: none"> • To know how to use prior knowledge to make a relationship prediction and explain it using scientific knowledge. • To know that scientific knowledge can be used to explain a prediction. • To know how to use test results to make predictions for further tests • To know that how and when to repeat tests and measurements. • To know how to justify the necessity to change elements • To know how to record data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs. • To know how to choose specific/appropriate methods of recording. • To know how to identify relationships within results • To know that how to plan for different types of scientific enquiries to answer questions - including recognizing and controlling variables when necessary.
History		
Substantive Knowledge		Disciplinary Knowledge
<ul style="list-style-type: none"> • To know that Ramsgate is a town located in the county of Kent, England, with a rich history that dates back centuries. • To know that Ramsgate became an important port during the medieval period and played a role in the English Civil War in the 17th century. • To know that in the 19th century, Ramsgate experienced significant growth and development as a popular seaside resort, attracting visitors from London and beyond. • To know that Ramsgate played a significant role in World War II as a key embarkation point for the Dunkirk evacuation in 1940, with many troops being evacuated from its harbour. • To know that the town features several notable landmarks, including the Royal Harbour, which was designed by the famous engineer John Rennie. • To know that Ramsgate is home to the Ramsgate Tunnels, an extensive underground network of tunnels and air raid shelters that were used during World War II to protect residents during air raids. • To know that the historic Ramsgate Maritime Museum showcases the town's maritime heritage, including exhibits on its fishing industry, shipbuilding, and maritime trade. 		<ul style="list-style-type: none"> • To know that we can all make history. • To know how to use timelines to place and sequence local, national and international events. • To know how to give clear reasons why there may be different accounts of history. • To know how to evaluate evidence to choose the most reliable forms. <p>To know why there may be different accounts of history.</p>

Geography	
Substantive Knowledge	Disciplinary Knowledge
<ul style="list-style-type: none"> • To know how the geography of Ramsgate has changed over time due to sea level change • To know that the impact of human and physical geography have not stopped and will impact its future. • To know how human and physical geography are interlinked • To know the human impact on coastlines, as a result of settlements, land use and economic activity. • To know how the human need for energy has impacted on local environments. 	<ul style="list-style-type: none"> • To know how to use maps, atlases, globes and digital/computer mapping to locate countries and describe features studied • To know how to gather and record information about the local area through observation
D&T	
Substantive Knowledge	Disciplinary Knowledge
Technical knowledge <ul style="list-style-type: none"> • To know that products need to be strong and fit for purpose by being precise • To know that cams can be used to create movement • To know that a 3D frame can be reinforced and strengthened. 	Designing <ul style="list-style-type: none"> • To produce a detailed step by step plan • Use exploded diagrams • Know that design criteria can be developed Making <ul style="list-style-type: none"> • To use a range of tools and equipment competently • Make a product that relies on cams Evaluating <ul style="list-style-type: none"> • To evaluate appearance and unction against original criteria • To know that the purpose and appearance of a product can be evaluated
Computing	
Substantive Knowledge	Disciplinary Knowledge
<p>Children will be using TinkerCAD to design part of their Thematic project focusing on the use of gears and pulleys.</p> <p>-To know that identities can be hidden on the internet and understand the repercussions of this.</p> <p>-To know that search engines use different rules to rank results</p> <p>-To know the limitations of search engines and how they can be influenced</p>	<p>-To know what to do if they see something on a digital monitor (digital devices) that they do not like and be able to explain how to report this content, and why this is important.</p> <p>-To know and implement acceptable use of digital devices in addition to their user agreements.</p>
Cultural Capital	

I will be learning about significant events and places within my home town and considering the impact they had in the past and on life today.

Weekly Overview

Week 1	<p>Lesson 1: PSHE Our theme is 'Be Here, Be You, Belong'. We are going to write ourselves compliments about our character and create a diamond 9 of the characteristics that best represents them.</p> <p>Lesson 2: We will learn about key historical events from Ramsgate's history and place these on a timeline. To know that Ramsgate is a town located in the county of Kent, England, with a rich history that dates back centuries. To know that Ramsgate became an important port during the medieval period and played a role in the English Civil War in the 17th century.</p> <p>Lesson3: We will be using our oracy skills to create a speech about the history of Ramsgate. We will be completing research about a specific part of Ramsgate's history and perform it to the class. To know that in the 19th century, Ramsgate experienced significant growth and development as a popular seaside resort, attracting visitors from London and beyond. To know that Ramsgate played a significant role in World War II as a key embarkation point for the Dunkirk evacuation in 1940, with many troops being evacuated from its harbour.</p>
Week 2	<p>Lesson 1: PSHE For our PSHE lesson this week we are going to design a Gladiator of ourselves based on our own character strengths!</p> <p>Lesson 2: The class will be divided in two to separate groups ready for a debate. We will then write our own reports that will be performed to the class. To know that the town features several notable landmarks, including the Royal Harbour, which was designed by the famous engineer John Rennie. To know that Ramsgate is home to the Ramsgate Tunnels, an extensive underground network of tunnels and air raid shelters that were used during World War II to protect residents during air raids.</p> <p>Lesson 3: The children will be given a variety of different artefacts related to the maritime history. They will research, analyse and present their findings on the artefacts' significance. To know that the historic Ramsgate Maritime Museum showcases the town's maritime heritage, including exhibits on its fishing industry, shipbuilding, and maritime trade. To know how to give clear reasons why there may be different accounts of history.</p>
Week 3	<p>Lesson 1: PSHE We are going to be exploring the lyrics to RagnBoneMan Giant and create our own piece of artwork using the lyrics to inspire us.</p> <p>Lesson 2: We are going to use two identical containers so that the falling objects are the same shape. They will place a light object in one and a heavier object in another. We will then drop these from the same height and record which lands first. Children will repeat the process multiple times and record their findings. To know that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object.</p> <p>Lesson 3: In the playground, children to walk, jog and run and then explore with a range of different sized sheets of paper and fabric – a roll of backing paper, a large piece of card, a piece of paper, a parachute, an umbrella, a jumper etc. We will then explore the effects of air resistance by observing how different parachutes fall using the same object each time. To know the effects of air resistance.</p>
Week 4	<p>Lesson 1: PSHE</p>

	<p>This week we will be looking at empathy and compassion. We will be playing the name label game. We will then write an unkind word and they get placed on other child's back. Walk around and look at the words. How would you feel if that was on your back?</p> <p>Lesson 2: Give children the opportunity to practise seeing how the shape and surface area of an object affects water resistance. Each pair will be given some playdough and a tall measuring cylinder which they fill with water. Children will then experiment with making different shapes from playdough – a flat disk, a ball, an oval and a cone and, using a stopwatch, place them in the water and let them go to calculate which reaches the bottom of the cylinder most quickly.</p> <p>To know the effects of water resistance.</p> <p>Lesson 3: We will be exploring and investigating the different ways of sinking a bottle using thrust We will predict and record our findings.</p> <p>To know how to explore up thrust and investigate how to sink a bottle.</p>
Week 5	<p>Lesson 1: PSHE</p> <p>This week we are going to be concentrating on behaviour. Someone has been naughty – can we explore the reasons why that may be? Can we show compassion towards others? BUT where are our boundaries? When do we reject bad behaviours?</p> <p>Lesson 2: We are going to be creating our own boat race to show the effects of air resistance. We will be using a force-meter/newton-meter to pull the three different boats across a tray/container of water. Using our knowledge of thrust and resistance we will make predictions and show are findings after our investigation.</p> <p>To know how to investigate water resistance by creating different sized boats for hulls.</p> <p>Lesson 3: Using the same boats from the previous lessons, we are going to now create different sized hulls for the boats and investigate what will happen. We will use the same material but different sizes for each boat.</p> <p>To know how to investigate how the size of a boat's hull affects the speed of its movement.</p>
Week 6	<p>RE week.</p> <p>Lesson 1: I am learning about the story of Ruth and Naomi. Friendship is one of the main themes in the story of Ruth and Naomi. We are going to be looking at what it means to be a good friend and list as many qualities as we can that we find from the story.</p> <p>Lesson 2: I am learning about the story of Daniel and relate this to religious persecution today. We are going to be creating a storyboard and summarising the main points from the story.</p> <p>Lesson 3: I am learning about the parables of Jesus. We are going to complete the mind maps below to show what happens in the parable, what we think it means and how the story might help Christians today.</p>