Archibald Primary School – Remote Learning
Year 4 - Spring Term

As you are unable to attend school, please use the links below to access activities to support the learning that you would have been undertaking if you were able to attend school.

Your teacher will be in touch with you throughout each week on Seesaw to see how you are getting along and to set you some individual challenges. Don't forget to share your work with your teacher on Seesaw, and to complete appropriate activities in your Remote Learning book which you should bring in to school when you return. Try to go on Reading Plus and Prodigy each day and there will also be activities on Purple Mash.

Week	Mathematics	English	Other Learning
1	Multiplication and Division Explore how multiplication is commutative and how multiplication is the inverse to division. Representing word problems using bar models In today's lesson, we will be exploring how to represent word problems using bar models. By the end of the lesson, you should be able to identify bar models that represent division or multiplication problems. Representing 2-Step Word Problems In today's lesson, we will be exploring how to represent two-step word problems using bar models. By the end of the lesson, you should be able to identify bar models that represent division or multiplication equations Deriving Multiplication Facts In today's lesson, we will be learning how to represent multiplication	To engage with the text There's a boy in the girls bathroom. To analyse a character (Bradley) - Investigate one of the two main characters, Bradley. To analyse a film clip and order the story - Analyse and order the key parts of the story and writing some sentences. To investigate suffixes (-ate, -en) - Investigating the -ate and -en suffixes and set spelling words to learn.	States of matter- look at solid, liquid and gas. What are the properties of these states of matter. https://classroom.thenational.academy/lessons/what-are-the-properties-of-solids-liquids-and-gases-6gv30d Log in to Purple mash for work your teacher has given you. Head over to Seesaw to see which activities your teacher has set you around our learning context.

	equations pictorially. Then, we will explore how we can derive new facts from known multiplication facts.		
2	**Deriving Division and Multiplication Facts** In today's lesson, we will exploring how division is the inverse to multiplication. Then, we will learn how to derive division facts from known facts using our times tables knowledge. **To calculate multiplication facts using the distributive law** In today's lesson, we will be solving multiplication equations using the distributive law. We will use arrays and area models to represent our calculations. **Solving 2-digit multiplication calculations using the distributive law** In today's lesson, we will be exploring the distributive law in multiplication. We will be solving 2-digit multiplication problems using the partitioning method and the compensating method. **Multiplying 3-digit numbers by 1-digit numbers** In today's lesson, we will be using short multiplication to multiply 3-digit numbers by 1-digit numbers. We will learn to regroup in multiple columns and when zero is a place value holder.	**To analyse a character (Jeff)** - Investigate one of the two main characters, Jeff. **To explore Bradley further** - Investiagte Bradley further and explore his personality in greater detail, **To explore a theme** - Analyse the theme of 'fitting in'. **To explore complex sentences** - Explore 'As' complex sentences and have a go at writing our own, based on the clip we watched in the first lesson.	Look at how particles behave in the different states of matter. https://classroom.thenational.academy/lessons/how-do-particles-behave-inside-solids-liquids-and-gases-68wp2c Log in to Purple mash for work your teacher has given you. Head over to Seesaw to see which activities your teacher has set you around our learning context.
3	**Dividing mentally** In today's lesson, we will explore a	**To generate vocabulary** - Generate vocabulary to describe the characters and the setting and	What happens when you heat or cool each state of matter.

	range of mental division methods, including: partitioning through the distributive law and using our known multiplication facts. Dividing using knowledge of multiples In today's lesson we will be using our known multiplication facts to help us divide mentally. Short division (Part 1) In today's lesson, we will be exploring how to use the short division algorithm with regrouping in one place value column. Short division (Part 2) In today's lesson, we will be exploring how to use the short division algorithm with multiple regroups. Short division (Part 3) In today's lesson, we will be exploring how to use the short division algorithm, regrouping through zero.	create sentences from these.. To develop a rich understanding of words associated with the countryside (Part 1) - Identify word pairs and synonyms and apply vocabulary in sentences. To plan the opening of the story - Plan precise vocabulary for each part, before practising full sentences out loud. To practise and apply knowledge of suffixes (-ate, -en) - Practice and apply knowledge of the -ate and -en suffixes.	https://classroom.thenational.academy/lessons/what-happens-when-you-heat-or-cool-each-state-of-matter-68w3at Log in to Purple mash for work your teacher has given you. Head over to Seesaw to see which activities your teacher has set you around our learning context.
4	Understand that area is a measure of surface and is measured in square units (Part 1) In this lesson, we will look at the difference between perimeter and area and learn a strategy for calculating area. Understand that area is a measure of surface and is measured in square units (Part 2) In this lesson, we will look at the difference between perimeter and area	To write the opening of the story - Write the opening of the story in short sections. To plan the build-up of the story - Plan the build up of the story using precise vocabulary. To write the build-up of the story - Write the build up in short parts. To generate vocabulary for the climax - Use a range of activities to help us generate vocabulary, ready for planning and writing.	Research the scienctist Joseph Priestley. Write 3 things that he discovered about gas and how he discovered them. https://www.bbc.co.uk/bitesize/clips/zkcb4wx Log in to Purple mash for work your teacher has given you. Head over to Seesaw to see which activities your teacher

	and learn a strategy for calculating area. Calculate and compare the area of rectangles using square centimetres (cm²) In this lesson, we will estimate area and then apply a formula to calculating area. Calculate and compare the area of rectangles using square metres (m²) In this lesson, we will calculate the area of rectangles in square metres and find missing lengths given the area. Divide and describe the same whole when divided into differing numbers of equal parts In this lesson we going to learn how to divide and describe the same whole when divided into differing numbers of equal parts.		has set you around our learning context.
5	Understand fraction notation to represent a relationship between part and whole In this lesson we going to learn to understand fraction rotation to help represent the relationship between the part and the whole. This can be demonstrated through usage of division bars. Begin to use and understand the terms 'Numerator' and 'Denominator' In this lesson we are going to begin to use and understand the terms 'numerator' and 'denominator'	To investigate suffixes (-tion, -ity, -ness) - Investigate the -ity and -ness suffixes and set spelling words to learn. To develop understanding of complex sentences Use 'As' adverbial complex sentences and complex sentences that have relative clauses in them.. To plan the climax - Plan each section of the climax of our story in parts. To develop a rich understanding of words associated with the countryside (Part 2) - Identify word pairs and synonyms and apply the vocabulary in sentences.	Dancing raisins! Draw a diagram and write a sentence to explain what happens to the raisins and WHY it happens. https://www.sublimescience.com/free-science-experiments/dancing-raisins/ Log in to Purple mash for work your teacher has given you. Head over to Seesaw to see which activities your teacher has set you around our learning

	alongside the language learnt in previous lessons.		context.
	Name unit fractions and match them with the fraction notation and a representation		
	In this lesson we will learn to name unit fractions and match the with the fraction notation and a picture representation using the same language learnt in previous lessons.		
	Embed previous fraction work using a linear model		
	In this lesson we are going to investigate fractions using strips of paper and lines.		
	Assign unit fraction names and notation to 3D representations		
	In this lesson we will learn how to assign unit fraction names and notation to 3D image representations, also known as volume models.		
6	Assign unit fraction names and notation to equal parts of quantities	To write the climax - Write the climax of our story in short parts.	What is the water cycle? Draw a diagram and label the stages.
	In this lesson we will continue to learn to assign fraction names and notation to equal parts of quantities. We will be building on part-whole relationships by identifying fractions of sets.	To practise and apply knowledge of suffixes (-tion, -ity, -ness) - Practice and apply knowledge of the -ity and -ness suffixes.	https://www.bbc.co.uk/bitesize/topics/zkgg87h/articles/z3wpp39
	Recognise and reason about unit fractions in a variety of contexts	To practise editing skills – Practise a range of editing skills before using them one by one on our own writing.	Log in to Purple mash for work your teacher has given you.
	In this lesson we will recognise and reason about unit fractions in a variety of contexts.	To plan the ending - Plan each part of it in sections.	Head over to Seesaw to see which activities your teacher has set you around our learning
		To write the ending - Use our plans to write the ending of the story in short parts.	

	Understand that equal parts can look different: Area In this lesson we are going to be looking at whether equal parts of the whole always need to look the same. Understand that equal parts can look different: Volume and area contexts In this lesson we will understand that equal parts can look different in the context of volume and area. Compare unit fractions using a fraction wall In this lesson we will compare unit fractions using a fraction wall.		context.
	Half Term Holiday	Half Term Holiday	Half Term Holiday
7	Reason about comparing unit fractions In this lesson we will be further investigating how the denominator tells us how many different equal parts there are and also tell us the size of the equal parts compared to the whole. Compare unit fractions in a measure's context In this lesson we will compare unit fractions using capacity and measure to help us. Can we compare unit fractions of different wholes? In this lesson we will compare unit fractions of different wholes. Construct a whole from a part and identify the fraction it represents In this lesson we will construct a whole	To engage with the text - Read the opening chapter and engage with the text. To answer questions on the text (Part 1) - Answer retrieval and inference questions on the opening chapter. To analyse characters - Look at the characteristics of the main characters. To answer questions on the text (Part 2) - Answer questions on an extract from the second chapter. To analyse the author's use of language - Analyse the author's use of language.	Sound- What is sound? https://classroom.thenational.academy/lessons/what-is-sound-chh30r Log in to Purple mash for work your teacher has given you. Head over to Seesaw to see which activities your teacher has set you around our learning context. What is the earth made of? In this lesson, we are going to be learning about the structure of the earth, what the earth is made of and where volcanoes

	from a part and identify the fraction it represents. Build and compare different wholes from the same unit fractions that represent the same length In this lesson we learn how to build and compare different wholes from the same unit fractions that represent the same length.		and earthquakes occur and why. What are solar and lunar eclipses? In this lesson, we will learn about the Sun, the Earth and the Moon. We will also learn about satellites, including natural and artificial satellites. We will discuss the lunar phases and finally we will learn about solar and lunar eclipses.
8	Build and compare different wholes from the same unit fractions that represent different lengths In this lesson we learn how to build and compare different wholes from the same unit fractions that represent different lengths. We will learn how finding out the length of one part can help you to find the length of the whole. Build and compare different wholes from different unit fractions that represent the same quantity In this lesson we will learn how finding out the amount of one part can help you to find the amount of the whole and how we can compare different wholes using the same amount but different fractions. Build and compare different wholes from different unit fractions that represent the same quantity In this lesson we will learn how finding	To learn about John Lyons - Learn about the poet John Lyons. To investigate suffixes: -ous - Investigate the -ous suffix and set spelling words to learn. To explore word class - Learn the definitions of nouns, adjectives, verbs, adverbs and prepositions and identify these in sentences. To explore and respond to John Lyons' poetry: Dancing in the rain - Read and respond to two of John Lyons' poems from his collection 'Dancing in the Rain', including discussing structure, language and meaning. To develop a rich understanding of words associated with happiness (Part 1) - Introduce new vocabulary, identify word pairs and synonyms and apply the vocabulary in sentences.	How do we make different sounds? https://classroom.thenational.academy/lessons/how-are-different-sounds-produced-6nj3et Log in to Purple mash for work your teacher has given you. What is the solar system? In this lesson, we will discuss what we can find in our solar system. We will also discuss what a planet, moon and space dust are. Finally, we will examine the differences between asteroids, meteoroids, meteors and meteorites.

	out the amount of one part can help you to find the amount of the whole and how we can compare different wholes using the same amount but different fractions. Build and compare different wholes from different unit fractions that represent different quantities In this lesson we will learn to build and compare different wholes from different unit fractions that represent different quantities. We can compare different wholes using the same fraction Build and compare wholes when different unit fractions represent different amounts In this lesson we will build and compare different wholes when different unit fractions that represent different amounts.			
9	Recognising Decimal Tenths (Part 1) In this lesson, you will represent tenths using fractions and decimals and accurately read decimal tenths. Recognising decimal tenths (Part 2) In this lesson, you will describe how full a container is using decimal tenths. Comparing Decimals In this lesson, you will explain how you can compare two decimal tenths. Rounding Decimals (Part 1) In this lesson, you will explain how to	To explore and respond to John Lyons' poetry: Dancing in the rain (Part 2) - Read and respond to three of John Lyons' poems from his collection 'Dancing in the Rain', including discussing structure, language and meaning. To practise and apply knowledge of suffixes: -ous, including test - Practise and apply knowledge of the -ous suffixes.	Look at the difference between pitch and volume and how they can be changed. https://classroom.thenational.academy/lessons/what-are-pitch-and-frequency-6gr64t Log in to Purple mash for work your teacher has given you. How do the planets in the solar system differ?	

	round numbers with one decimal place. Rounding Decimals (Part 2) In this lesson, you will use your rounding skills to solve problems.		In this lesson, we will learn about the eight different planets in our Solar System. We will have detailed discussions about Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus and Neptune. We will also have a chance to complete some application questions.
10	Decimal Number Bonds In this lesson, you will use your knowledge of whole-number number bonds to solve decimal-number number bonds. Mental Addition and Subtraction In this lesson, you will use mental calculation strategies to add and subtract decimal numbers. Recognising Decimal Hundredths (Part 1) In this lesson, you will represent hundredths using fractions and decimals and accurately read decimals hundredths. Recognising Decimal Hundredths (Part 2) In this lesson, you will represent hundredths using the visual representation of a bead string. Recognising Common Decimal Equivalents In this lesson, you will explore and	To perform a poem - Discuss how to perform a poem based on a poem's tone and meaning. To analyse 'Carib Nightfall' - Read and respond to 'Carib Nightfall' by John Lyons. Analyse its structure, meaning, themes and tone.	Investigate how sound travels through solid objects by vibrations. How far can sound travel? https://classroom.thenational.academy/lessons/how-can-you-make-a-string-telephone-68t6at Log in to Purple mash for work your teacher has given you. What are stars and star constellations? In this lesson, we will discuss how stars, including the Sun, were made. We will see how humans have investigated more about stars since the invention of telescopes. Finally, we will learn about constellations

	identify common decimal equivalents (quarter, half and three quarters).		
11	Ordering Decimals In this lesson, you will order decimal numbers with up to two decimal places. Multiplying and Dividing by 10 (Part 1) In this lesson, you will learn to multiply and divide by 10 including with decimals Multiplying and Dividing by 10 (Part 2) In this lesson, you will learn to multiply and divide by 10 including with decimals Multiplying and Dividing by 100 (Part 1) In this lesson, you will learn to multiply and divide by 100 including with decimals Multiplying and Dividing by 100 (Part 2) In this lesson, you will learn to multiply and divide by 100 including with decimals	To analyse 'Carnival Jumbie' - Read 'Carnival Jumbie' and listen to a reading by John Lyons. Learn about the context and then analyse the poem's structure, language, themes and tone. To practise and apply knowledge of suffixes: -ial, including test - In this lesson, we will be practising and applying knowledge of the -ial suffixes. To analyse 'Carnival Dance Lesson' - Read 'Carnival Dance Lesson' and learn about the context and then analyse the poem's structure, language, themes and tone. Create senses word maps to describe what we might see and hear at a carnival to use in our own poems. To write a poem - write our own poems about a carnival.	How can we protect our ears from loud noise? https://classroom.thenational.academy/lessons/what-do-we-mean-by-amplitude-of-sound-c8tp8e Log in to Purple mash for work your teacher has given you. What is the universe and what is it made from? In this lesson, we will investigate what the universe is. We will also discuss galaxies, including the galaxy we are in: the Milky Way. Finally, we will discuss and investigate the Big Bang Theory as an explanation for how the universe began. What do astronomers do? In this lesson, we will discuss the differences between Astrology and Astronomy, particularly which one is considered scientific. We will then discover the works of famous astronomers and their contributions to society.