



Year 4 Curriculum Map

Autumn Term		
Subject	Area of Learning	Key knowledge
Art	<ul style="list-style-type: none">Kandinsky - colour	<ul style="list-style-type: none">Use a sketchbook to record observations and other visual information from different sourcesThe name, nationality, style and famous works of Wassily Kandinsky
Computing	<ul style="list-style-type: none">E-SafetyTechnology in our lives	<ul style="list-style-type: none">Describe what bullying behaviour is, what it might look like and where it might take placeKnow where and how to get help if they experience online bullying.Describe networked devices and how they connect
Design Technology	<ul style="list-style-type: none">Adapting a recipe	<ul style="list-style-type: none">To know that the amount of an ingredient in a recipe is known as the 'quantity.'To know that it is important to use oven gloves when removing hot food from an oven.To know the following cooking techniques: sieving, creaming, rubbing method, cooling.
Geography	<ul style="list-style-type: none">Maps and fieldwork	<ul style="list-style-type: none">Use the eight points of a compass.Use four figure grid references.
History	<ul style="list-style-type: none">Romans	<ul style="list-style-type: none">Know that Romans invaded Britain.Know some of the ways in which the Romans left their legacy in Britain.Begin to evaluate the usefulness of different sources
Languages	<ul style="list-style-type: none">Encore!Quelle heure est-il?	<ul style="list-style-type: none">How to use different adjective endings, both singular and plural.To ask "Quelle heure est il?" and answer "il est cinq heure".How to talk about different activities.
Music	<ul style="list-style-type: none">Body and tuned percussionChanges in pitch, tempo and dynamics	<ul style="list-style-type: none">To know that deciding the structure of music when composing can help us create interesting music with contrasting sections.To know that combining different instruments and different rhythms when we compose can create layers of sound we call 'texture'.To know that changing the dynamics of a musical phrase or motif can change the texture of a piece of music.To understand that harmony means playing two notes at the same time, which usually sound good together.An ostinato is a musical pattern that is repeated over and over; a vocal ostinato is a pattern created with your voice.To know that 'performance directions' are words added to music notation to tell the performers how to play.

		<ul style="list-style-type: none"> To know that playing in time means all performers playing together at the same speed.
PE	<ul style="list-style-type: none"> Gymnastics Games 	<p>(By the end of the school year)</p> <ul style="list-style-type: none"> Describe how the body reacts at different times and how this affects performance. Explain why exercise is good for your health. Know some reasons for warming up and cooling down. Perform and create sequences with fluency and expression. Perform and apply skills and techniques with control and accuracy. Watch, describe and evaluate the effectiveness of performances, giving ideas for improvements Modify their use of skills or techniques to achieve a better result.
PSHE	<ul style="list-style-type: none"> Being me in my world Celebrating difference 	<ul style="list-style-type: none"> Know their place in the school community Know what democracy is (applied to pupil voice in school) Know how groups work together to reach a consensus Identify the feelings associated with being included or excluded Be able to take on a role in a group discussion / task and contribute to the overall outcome Know how to regulate my emotions Know that some forms of bullying are harder to identify e.g. tactical ignoring, cyber-bullying Know the reasons why witnesses sometimes join in with bullying and don't tell anyone Know that sometimes people make assumptions about a person because of the way they look or act Be comfortable with the way they look Try to accept people for who they are Be non-judgemental about others who are different
RE	<ul style="list-style-type: none"> Beliefs and practices – Judaism Christmas symbols 	<ul style="list-style-type: none"> Develop a further understanding of Judaism – that Jewish people believe they have a special agreement with God Explore Christmas symbols.
Science	<ul style="list-style-type: none"> Digestion and Food Electricity and Circuits 	<ul style="list-style-type: none"> The main organs of the human digestive system are the mouth, teeth, tongue, oesophagus, stomach, small and large intestines and have different functions. The different types of human teeth are incisors, canines, premolars and molars and have different functions. Teeth can be damaged by sugary and acidic food, for example. It is important to brush your teeth twice a day, make good food choices and visit the dentist regularly. The teeth of carnivores and herbivores are different for a reason. That all electrical appliances need a power source, including batteries or mains electricity. That an electrical circuit needs a complete path for the electrical charge to flow through. The main components in a series circuit.

		<ul style="list-style-type: none"> • The precautions for working safely with electricity. • That some materials allow electric charge to pass through them quickly and these are known as electrical conductors (e.g. metals). •
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Spring Term

Subject	Area of Learning	Key knowledge
Art	<ul style="list-style-type: none"> • Henri Rousseau - drawing 	<ul style="list-style-type: none"> • Show an awareness that objects have a third dimension. • Mix and use, tints, tones and shades and apply to work. • The name, nationality, style and famous works of Henri Rousseau
Computing	<ul style="list-style-type: none"> • Handling data – data loggers • Programming - Scratch 	<ul style="list-style-type: none"> • Use a computer program to sort and view data in different ways • Write an algorithm to produce a given outcome • Develop my program by debugging it
Design Technology	<ul style="list-style-type: none"> • Fastenings - textiles 	<ul style="list-style-type: none"> • To know that a fastening is something which holds two pieces of material together for example a zipper, toggle, button, press stud and velcro. • To know that different fastening types are useful for different purposes. • To know that creating a mock up (prototype) of their design is useful for checking ideas and proportions.
Geography	<ul style="list-style-type: none"> • South America – climate zones 	<ul style="list-style-type: none"> • Locate world's countries, environmental regions, key physical and human characteristics, countries, major cities, vegetation belts, climate zones and biomes on a map (Focus on South America) • Understand geographical similarities and differences through the study of human and physical geography of a region with South America. • Compare different types of settlements and land use.
History	<ul style="list-style-type: none"> • Reading Abbey – local history 	<ul style="list-style-type: none"> • Know that the Abbey is an important historical site in Reading • Use evidence to build up a picture of a past event • Place events from period studied on time line
Languages	<ul style="list-style-type: none"> • Les fetes • Ou vas-tu? 	<ul style="list-style-type: none"> • How to count from 21-60 • To know the meaning of some directional vocabulary • To use some vocabulary related to weather
Music	<ul style="list-style-type: none"> • Samba – carnival sounds and instruments 	<ul style="list-style-type: none"> • To know that grouping instruments according to their timbre can create contrasting 'textures' in music. • To know that a motif in music can be a repeated rhythm.
PE	<ul style="list-style-type: none"> • Dance • Swimming 	<p>(By the end of the school year)</p> <ul style="list-style-type: none"> • Describe how the body reacts at different times and how this affects performance.

		<ul style="list-style-type: none"> • Explain why exercise is good for your health. • Know some reasons for warming up and cooling down. • Perform and create sequences with fluency and expression. • Perform and apply skills and techniques with control and accuracy. • Watch, describe and evaluate the effectiveness of performances, giving ideas for improvements • Modify their use of skills or techniques to achieve a better result.
PSHE	<ul style="list-style-type: none"> • Dreams and goals • Healthy me 	<ul style="list-style-type: none"> • Know how to make a new plan and set new goals even if they have been disappointed • Know that hopes and dreams don't always come true • Know how to work as part of a successful group • Can identify the feeling of disappointment • Be able to cope with disappointment • Can identify what resilience is • Know the facts about smoking and its effects on health • Know the facts about alcohol and its effects on health, particularly the liver • Know ways to resist when people are putting pressure on them • Can identify the feelings that they have about their friends and different friendship groups • Can identify the feelings of anxiety and fear associated with peer pressure • Can tap into their inner strength and know-how to be assertive
RE	<ul style="list-style-type: none"> • Passover – Judaism • Easter - forgiveness 	<ul style="list-style-type: none"> • Explore forgiveness in a Biblical text. • Explain how Jewish people might show their commitment to God.
Science	<ul style="list-style-type: none"> • States of Matter • Sound and Vibrations 	<ul style="list-style-type: none"> • All substances around us can exist as solids, liquids and gases. • A property of a solid is that it keeps its shape unless a force is applied to it. • A property of a liquid is that it can flow freely and take on the shape of a container. • A property of a gas is that it does not have a fixed shape and can escape from an unsealed container. • Heating causes solids to turn into liquids (melting) and liquids to turn into gases (evaporating). • Cooling causes gases to turn into liquids (condensing) and liquids to turn into solids (freezing). • Water can exist as a solid, a liquid or a gas. • The melting point of water is zero degrees Celsius and the boiling point of water is 100 degrees Celsius. • Water flows around the world in a continuous process called the water cycle. • In the water cycle, evaporation is when bodies of water are heated and turn into water vapour. • In the water cycle, condensation is the process of water vapour cooling to form water droplets in clouds, which can result in precipitation. • The rate of evaporation increases as the temperature rises. • Sound is a result of vibrations.

		<ul style="list-style-type: none"> • Vibrations from sounds travel through mediums to the ear. • An insulating material reduces the amount of vibrations that pass through it and this can be used to protect the ears from damaging sounds. • Different materials provide different amounts of insulation against sound. • A variety of ways to change the pitch or volume of a sound.
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Summer Term

Subject	Area of Learning	Key knowledge
Art	<ul style="list-style-type: none"> • Sculpture 	<ul style="list-style-type: none"> • Shape, form, model and construct malleable and rigid materials – clay
Computing	<ul style="list-style-type: none"> • Multimedia - Audacity 	<ul style="list-style-type: none"> • Use a device to record audio and play back sound
Design Technology	<ul style="list-style-type: none"> • Slingshot cars – mechanical systems 	<ul style="list-style-type: none"> • To understand that kinetic energy is the energy that something (object/person) has by being in motion.
Geography	<ul style="list-style-type: none"> • Rivers and fieldwork 	<ul style="list-style-type: none"> • Describe how physical geographical features are formed. • Describe the water cycle. • Use fieldwork to observe, measure, record and present the human and physical features in the local area using a range of methods, including sketch maps, plans and graphs and digital mapping technologies.
History	<ul style="list-style-type: none"> • Ancient Greece 	<ul style="list-style-type: none"> • Know that there was a civilisation in Greece 3000 years ago • Know that democracy was born in Ancient Greece • Identify key features and events of time studied
Languages	<ul style="list-style-type: none"> • On Mange • Le cirque 	<ul style="list-style-type: none"> • How to ask and answer what they would like • To know the names of basic food items • To know vocabulary related to clothing
Music	<ul style="list-style-type: none"> • Adapting and transposing motifs 	<ul style="list-style-type: none"> • To understand that musical motifs (repeating patterns) are used as a building block in many well-known pieces of music for example, Beethoven's fifth symphony (dah dah dah dum!). • To know that 'transposing' a melody means changing its key, making it higher or lower pitched. • To know that a bass line is the lowest pitch line of notes in a piece of music, and a walking bassline (where patterns of notes go up then down again) is common in rock and roll.
PE	<ul style="list-style-type: none"> • Athletics • Games 	<p>(By the end of the school year)</p> <ul style="list-style-type: none"> • Describe how the body reacts at different times and how this affects performance. • Explain why exercise is good for your health. • Know some reasons for warming up and cooling down. • Perform and create sequences with fluency and expression. • Perform and apply skills and techniques with control and accuracy.

		<ul style="list-style-type: none"> • Watch, describe and evaluate the effectiveness of performances, giving ideas for improvements • Modify their use of skills or techniques to achieve a better result.
PSHE	<ul style="list-style-type: none"> • Relationships • Changing me 	<ul style="list-style-type: none"> • Know some reasons why people feel jealousy • Know that loss is a normal part of relationships • Know that sometimes it is better for a friendship/relationship to end if it is causing negative feelings or is unsafe • Can identify the feelings and emotions that accompany loss • Can suggest strategies for managing loss • Can suggest ways to manage relationship changes including how to negotiate • Know that babies are made by a sperm joining with an ovum • Know the names of the different internal and external body parts that are needed to make a baby • Know how the female and male body change at puberty • Can appreciate their own uniqueness and that of others • Can express any concerns they have about puberty • Have strategies for managing the emotions relating to change
RE	<ul style="list-style-type: none"> • Rites of passage – Judaism • Prayer and worship - Christianity 	<ul style="list-style-type: none"> • Understand the importance of worshipping God to Christians. • Describe some of the ways Christians use churches to worship • Develop a further understanding of Judaism – rites of passage (Bar/Bat Mitzvah).
Science	<ul style="list-style-type: none"> • Classification and Changing Habitats • Investigation – How does the Flow of Liquids Compare? 	<ul style="list-style-type: none"> • Living things can be grouped in different ways. • A classification key can be used to group and identify plants and animals. • Vertebrates are animals that have a backbone and invertebrates are animals that do not have a backbone. • Plants can be grouped into flowering or non-flowering varieties. • Flowering plants include grasses and non-flowering plants include ferns and mosses.