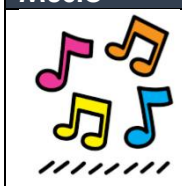
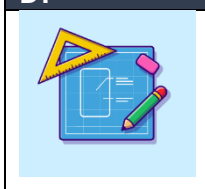
Cornerstones Curriculum: KS1 Knowledge Building Across Year A

Outlined below is what KS1 children are expected to know, remember and retain at the end of Year A of our rolling programme. Children's learning in our mixed-age classes is knowledge-rich due to its cyclical design and teacher's skill at encouraging retrieval year-on-year. Topics underpin our curriculum, however meaningful links have only been made when it strengthens or deepens the learning experience. This document links directly to our subject long-term plans, disciplinary progression documents and assessment framework.

Subject	Autumn	Spring	Summer
Learning threads leading the curriculum	Castles/Fairy tales The Local Area	Kings and Queens Great Britain The seaside and the sea	America Rainforests, jungles and woodlands
English	Story (Dragons)	Let's Explore	Rainforests
	Key texts: Tell me a dragon George and the Dragon The Egg Box Dragon The Egg Rapunzel Christmas Text: Mog's Christmas by Judith Kerr Y2- The Boy Who Grew Dragons, The Dragon in the Library, Dragon Racers by Peter Bunzel	**Key texts:** Leo and the Octopus The Pirates Next Door Grandad's Island The Storm Whale Dear Earth The Emperor's Egg Y2- The BFG (Year 3), Emerald and the Ocean Parade	**Key texts:** Wild The Bee Who Spoke Funny Bones The Great Kapoke Tree The Tiny Seed Y2 James and the Giant Peach, Marv and the Killer Plants, The Jungle Book
Science	Seasonal Change Living things and their habitats	Seasonal Change Plants	Seasonal Change Plants Animals including humans
	<u>Seasonal change</u> **I know what the features of Autumn and Winter are and what happens to trees in this season (weather, animals, plants).** I know that Autumn and Winter are seasons of the year. I know when Autumn and Winter occurs. **<u>Living things and their habitats</u>** **I know the differences between things that are alive, dead and things that have never been alive.** **I know what a habitat is and can name habitats in my local area e.g., woodland, pond, grass etc. as well as habitats around the world e.g. rainforest.** **I know that living things live in habitats to which they are suited and I know that habitats provide for the basic needs of animals e.g., shelter, space to move and grow, food and water.** **I know the names of a variety of animals and plants that live in different habitats, including in microhabitats.** **I know how animals obtain food from plants and other animals and can represent this in a food chain.**	**<u>Seasonal change:</u>** **I know what the features of Winter and Spring are and what happens to trees in this season (weather, animals, plants).** I know that Winter and Spring are seasons of the year. I know when Winter and Spring occurs. **<u>Plants: (Y1)</u>** **I know what wild and garden plants are and can name a variety of common wild and garden plants.** **I know the different parts of a plant including roots, stem, leaves, flower, petals, trunk, branches, fruit.** **I know that plants are grown from seeds or bulbs.** **I know the difference between evergreen and deciduous trees and can identify different evergreen and deciduous trees.** I know that we can eat different plants in the form of fruit and vegetables.	**<u>Seasonal change:</u>** **I know what the features of Spring and Summer are and what happens to trees in this season (weather, animals, plants).** I know that Spring and Summer are seasons of the year. I know when Spring and Summer occurs. **<u>Plants (Y2)</u>** **I know that plants can grow from either seeds or bulbs.** **I know that plants need water, light, and a suitable temperature to grow and survive.** I know that seeds and bulbs germinate and then grow into seedlings and then continue to grow into mature plants – plant life cycle. I know that seeds and bulbs need to be planted at different times of the year and will germinate and grow at different rates. **<u>Animals, including humans (body – senses)</u>** **I know the names of different parts of the human body including head, neck, arms, elbows, legs, knees, face, ears, eyes, hair, mouth, teeth** **I know the 5 senses associated with the human body – touch, smell, hear, taste, sight** **I know which part of the body is associated with each sense.**
History	Homes	Rule Britania	David Attenborough
	I can name famous castles such as Windsor, Richmond and Edinburgh. **I know the similarities and difference for rich and poor people in castles.** **I know why Richmond has a castle** Describe what a motte and bailey castle is and use that to decide if Richmond is one. I know the ways in which castles were attacked and how they defended themselves. I know some of the jobs that people did in the castle and how people lived in them.	**I know our current monarch is King Charles III.** **I know the similarities and difference between the life of Queen Victoria and King Charles III.** Be able to explain why Prince Charles became King Charles To describe the role of a coronation. Identify some of King Charles' relatives and their role. Compare Queen Victoria and Queen Elizabeth II	**I know David Attenborough is an English broadcaster and naturalist.** **I know the achievements of David Attenborough** **I know he has made a difference by raising awareness about climate change and the need to protect the natural world.** **I know what it means to be significant.** **I know why David Attenborough is a significant individual.**
Geography	Using maps	Great Big Britain	Rainforests and woodland
	I know how to use compass points to navigate a map using locational and navigational language. **I know how to use aerial photographs and plans to locate landmarks** **I know how to use simple fieldwork and observational skills to study the geography of my school and surroundings.** **I know how to devise a simple map and use and construct basic symbols in a key.** I know how to design a map. I know how to create a 3D map using my own design.	**I know that Great Britain is an island and can name the seas that surround it** **I know the names of the five oceans of the world.** **I know and can name some places in Britain that are by the sea.** **I know and can name some physical and human features of coasts** **I can explain some of the similarities and differences between a beach in Britain and a beach in Australia** I know some basic risk factors of coasts eg erosion (sea wearing away the cliffs), pollution, sea levels. I know and can explain why, it is important to take care of our seas.	**I know the names of the seven continents.** **I know where the Equator, North Pole and South Pole are on a globe and world map.** **I know the location of some hot and cold areas of the world (desert, tropical, Savannah, temperate, Mediterranean and polar)** **I know Brazil is in South America** **I know where the Brazilian rainforest is on a world map** **I know the similarities and differences between a British woodland and a tropical rainforest.** I know what a rainforest is and can describe it in detail, including 'cloud forests', plants and animals. I know and can explain why it is important to protect the rainforest.
Art	Explore and Draw	Playful Making	Flora and Fauna

	I know that artists explore the world, seeing things around them in new ways, and bring things back to their studios to help them make art. I know that we can go into our own environments, even when they are very familiar to us, and learn to see with fresh eyes and curiosity. I know that we can use the things we find to draw from, using close observational looking. I know that we can explore and use art materials, be inventive with how we use them, taking creative risks and enjoying accidents as well as planned successes. I know we can use the shape of the page, and the way we arrange elements on the page, to create compositions which we like.	I know that when we make art in 3 dimensions it is often called sculpture. I know that materials can be shaped by bending, folding, twisting and cutting. I know a number of materials can be joined to create a sculpture.	I know that artists can be inspired by the flora and fauna around them. I know that we can use careful looking to help our drawing, and use drawing to help looking. I know that we can use a variety of materials to make images, and that the images we make can become imaginative. I know that we can create individual artwork, and that we can bring that artwork together to make a shared artwork.
Music	Using my body	Seaside sound	Classical music
	I know that notation is read from left to right. I know how to do pictorial representations of rhythm and to show sounds and rests.	I know that sections of music can be described as loud, quiet or silent and the meaning of these terms. I know that notation is read from left to right. Dynamics (Theme: Seaside)	I know that sound can help tell a story. I know that an instrument or voice can be played at different speeds. I know that pulse can be fast and slow. Tempo (Theme: Snail and mouse)
Computing	Technology Everywhere	Work of art	Sort it out!
	Technology around us (Computers and networks) I know examples of technology and explain how they can help us I know that a computer is an example of technology know what a keyboard is for I know how to type my name on the computer and delete letters. I know how to use a mouse to click, select and drag. I know how to keep myself safe and healthy when I am using technology **IT around us (Computers and networks)** I know how computers are used I know that computers are a form of IT I know some IT can be used in more than one way. I know how IT devices work together I know how to keep myself safe and healthy when I am using technology	**Digital Painting** I choose appropriate paint tools to recreate a picture I know how to use freehand tools, changing the colour and brush size I know how to use shape and line tools for precision, changing the size, shape and colour I know how to use the undo button to correct mistakes I know how to use the fill tool to colour an enclosed area **Digital photography (Creating media)** I know how to take a digital photograph I know the difference between portrait and landscape I know what makes a good photograph I know the effect that lighting has on a photograph I know that images can be changes and the tools I can use to change it I know how to recognise if a photograph has been changed *(cover AI)*	**Grouping Data (Data and information)** I know how to label objects I know that objects can be counted I know how to describe objects in different ways I know how to count objects with the same properties I know how to compare groups of objects I know how to answer questions about groups of objects **Pictograms (Data and information)** I know how to count and compare objects using tally charts. I know that objects can be represented as pictures. I know how to create a pictogram on the computer. I know why some information should not be shard on computers.
RE	Belonging Christmas	Good News! Easter	Sacred Places Muslims
	Who am I? What does it mean to belong? (D1.8) · •I know Christian's believe God is loving • I know the Bible tells stories about God's love • I know the Torah teaches Jews about love • I know that Christians baptise people • I know Jews welcome babies in a naming ceremony • I know the symbols used in Christian and Jewish wedding ceremonies to show love (rings, gifts; standing under the chuppah in Jewish weddings) **Why does Christmas matter to Christians? (UC 1.3)** • I know Christians believe that Jesus is God and that he was born as a baby in Bethlehem. • I know the Bible points out that his birth showed that he was extraordinary (for example, he is worshipped as a king, in Matthew) and that he came to bring good news (for example, to the poor, in Luke). • I know Christians celebrate Jesus' birth; Advent for Christians is a time of getting ready for Jesus' coming.	**What is the good news Jesus brings? (UC 1.4)** • I know Christians believe Jesus brings good news for all people. • I know for Christians, this good news includes being loved by God, and being forgiven for bad things. • I know Christians believe Jesus is a friend to the poor and friendless. • I know Christians believe Jesus' teachings make people think hard about how to live and show them the right way. **Why does Easter matter to Christians? (UC 1.5)** • I know Easter is very important in the 'big story' of the Bible. • I know Christians believe Jesus rose again, giving people hope of a new life.	**What makes some places sacred to believers?** (D1.9) • I know Christians Worship in a Church • I know ·Muslims worship in a mosque • I know objects used in Christian and Muslim worship •I know how people worship at a church and a mosque •I know that people have to respect peoples places of worship **Who is a Muslim and what do they believe?** (D1.7) • I know Muslims follow Allah • I know the Muslims Holy Book is called the Qur'an • I know that the Shahadah is part of Muslims daily prayers • I know that Muslims have 99 names for God • I know that the Shahadah says Muhammed is God's messenger.
PSHE	Different Families My feelings	Keeping healthy Staying safe	Rules Money
	Families and relationships: • I know that families look after us. • I know how people are related. • I know that families can be made up of different people and may be different to my family. • I know the characteristics of a positive friendship. • I know that friendships can have problems, but these can be overcome.	Health and Wellbeing: • I know we can limit the spread of germs by having good hand hygiene. • I know the five S's for sun safety: slip, slop, slap, shade, sunglasses. • I know what an allergy is • I know that there are people in the local community who help to keep us healthy. • I know that certain foods and other things can cause allergic reactions in some people. Safety and my Changing Body:	Citizenship: • I know the school rules and why they are important. • I know ways in which we are the same and different to other people. • I know some of the different places where rules apply. • I know that some rules are made to be followed by everyone and are known as 'laws'. • I know some of the jobs people do to look after the environment in school and the local community. Economic Wellbeing:

	• I know that some problems might happen in friendships and some might need addressing. • I know that (gender) stereotyping is when people think of things as being 'for boys' or 'for girls' only. • I know some ways people show their feelings. • I know what good manners are. • I know some gender stereotypes related to jobs.. Health and Wellbeing: • I know that sleep helps my body to repair itself, to grow and restores my energy. • I know the words to describe some positive and negative emotions. • I know that strengths are things we are good at. • I know that qualities describe what we are like.	• I know the difference between secrets and surprises. • I know the rules for crossing the road safely. • I know that an emergency is a situation where someone is badly hurt, very ill or a serious accident has happened. • I know that the emergency services are the police, fire service and the ambulance service.	• I know that coins and notes have different values. • I know some of the ways children may receive money. • I know that it is wrong to steal money. • I know that banks are places where we can store our money. • I know some jobs in school. • I know that different jobs need different skills. • I know the difference between a 'want' and 'need' • I know some of the ways in which adults get money. (Y2) • I know some of the features to look at when selecting a bank account Transition: • To understand that changes can be both positive and negative. • To understand that change is part of life.
PE	Movement Dance Games	Keeping healthy Movement Gymnastics	Forest Schools Bats and balls Athletics
	Fundamental Movement Skills I know why it is important to keep the ball close to me I understand the term 'dribbling' I know how to use the inside and outside of my feet to dribble the ball I know why I need to look for a space when I am dribbling I know why it is important to aim towards a target when I am kicking and why I need to be accurate when I pass using a kick **Folk Dance** I know how to skip in a circle I know how to change direction when dancing and skipping I know how to link arms with a partner whilst skipping I know how to move in a space showing **Game Sense** I know that when the ball changes possession, I need to transition between attack and defence I know how to tag the opposition to defend I know how to run into a space to gain possession of the ball	**Health and Wellbeing** I know what the terms agility, balance and coordination means I know why being agile is important for sports and exercise I know why it is important to have good balance in sports I know how to keep the ball under control with my feet **Fundamental Movement Skills** I know why I need to keep possession of the ball I know why I should pass to help my team win I know how to tell if my partner is ready to receive the ball I know why it is important to pass accurately **Gymnastics** I know the difference between wide, narrow and curled movements I know how to perform narrow, wide and curled movements on the floor and on apparatus I know how to apply wide, narrow and curled to transitions.	**Forest Schools** I know why it is important to take care of the environment and animals I know how to be respectful towards nature I know how to use some basic tools safely I know why it is important to be safe around a camp fire and how to do so **Fundamental Movement Skills- Rackets, bats and balls** I know how to push a ball with a racket and why it is important to keep the ball close and controlled I know why it is important to move the ball into a space I know why I need to aim at a target when hitting or pushing a ball I know why it is important to be accurate when hitting or pushing the ball I know the meaning of 'control' and 'aiming' **Athletics- Jumping** I know how to skip, using a step hop action I know why I need to hold my head forward when I hop, skip and jump I know why it is important to stay in a space when we jump I know some different ways to jump I know how to link jumps together **Athletics- Throwing** I know that I need to aim at a target when I am throwing I know that I need to concentrate on where the ball is going I know that there are overarm throws and underarm throws and that they have different uses
DT	Wheels	Picnic time	Levers and Pulleys
	**I can identify what mechanism makes a toy or vehicle roll forward.** **I can recall that in order for a wheel to move it must be attached to an axel.** **I can draw and label a diagram of an axel, wheel and axel holder.** I can fix a design so that the wheel can move. **I can use appropriate vocabulary to describe which parts are moving or not and to label my design.** I can design a moving vehicle. **I can make a wheel and axel mechanism.** I can evaluate my design to make it even better.	I know what makes a balanced diet. I know that the five main food groups are: carbohydrates, fruits and vegetables, protein, dairy and oils and spreads. I know that I should eat a range of different foods from each food group, and roughly how much of each food group. I know that 'ingredients' means the items in a mixture or recipe. I know how to cut, grate, snip and spread to prepare foods.	Moving Monsters Lesson Plans | KS1 DT I know that mechanisms are a collection of moving parts that work together as a machine to produce movement. I know that there is always an input and an output in a mechanism. I know that an input is the energy that is used to start something working. I know that an output is the movement that happens as a result of the input. I know that a lever is something that turns on a pivot. I know that a linkage mechanism is made up of a series of levers.