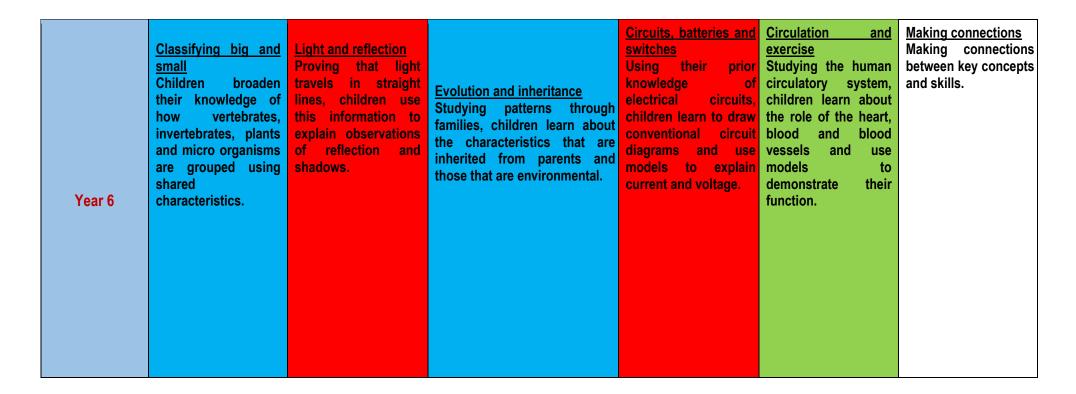
Baines Endowed Curriculum Map - Science

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2		
Reception								
Year 1	Seasonal changes Children learn about the 4 seasons and the weather associated with each.	Everyday Materials Identifying the difference between objects and materials, children explore their surroundings to find examples of each.	Sensitive Bodies Familiarising themselves with the basic parts of the human body, children investigate their senses through stimulating experiences that highlight how we interact with the world around us.	Comparing animals Studying both local and global animals, children recognise common features and use this information to make comparisons and begin to classify animals.	Identifying the key features of a plant, children describe important structures and make	Making connections Making connections between key concepts and skills.		
Year 2	Habitats Considering that life processes that all living things have in common, pupils classify objects into alive or has never been alive	microhabitats provide what minibeasts need to survive and carry out a survey of where	Uses of everyday materials Children begin to explain why materials are used in certain contexts.	Life cycles and health Studying the life cycles of various animals, children learn what animals need to survive and how they change over time.	Plant growth Using their prior knowledge of important plant structures, children explain which factors are needed for successful growth and compare how those needs vary across different plants.	Making connections Making connections between key concepts and skills.		

Year 3	Movement and nutrition Studying the human skeleton, children identify key bones and compare them to other animals explaining the role within the body.	Forces and magnets Investigating the movement of vehicles on different surfaces, children learn about the impact of friction and compare uses and drawbacks.	Rocks and soil Studying rocks and their properties, children learn that rock properties support classification and tell us about how rocks were formed.	Light and shadows Identifying examples of luminous objects, children learn about how light travels around us and how that enables us to see.	Plant reproduction Building on their prior knowledge of plant structures, children describe the functions of named parts and use evidence to explain their significance in plant development.	Making connections Making connections between key concepts and skills.
Year 4	Digestion and food Using models, children describe the function of key organs in the digestive system.	Electricity and circuits Exploring appliances that use electricity in their setting, children learn how to work with electricity safely and build circuits.	Investigating the properties of	Sound and vibrations Exploring different ways of producing sounds, children learn about the relationship between vibrations and what they hear.	Classification and changing habitats Identifying different ways living things can be grouped, children make classification keys to explore which grouping methods are most effective.	Making connections Making connections between key concepts and skills.
Year 5	Mixtures and separation Pupils explore different types of mixtures and the different methods that can be used to separate them.	Properties and changes Broadening their experience of the properties of materials, children investigate how certain properties influence the uses of materials	Earth and space Exploring some of the key celestial bodies in our solar system, children learn the names and compare their movements.	Life cycles and reproduction Studying different life cycles of animals, children learn the significance of reproduction for the survival of a species.	Imbalanced forces Building on the knowledge of contact forces, children explore gravity, air resistance and water resistance in more depth and compare the effect of these forces being imbalanced.	Human timeline/Making connections Studying human development and changes, children identify key stages and consider the data which may help determine if a child is growing normally.



Materials – beige
Animals including humans – green
Plants – yellow
Living things and their habitats – blue
Forces, Earth and space – grey
Energy - red