

Science Curriculum Map 2025 2026
(Kapow)

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8
Autumn 1	Living things: Classifying big and small							
Unit 1	How does the Linnaean system help us organize and understand the diversity of living organisms?	What features help us group cold-blooded vertebrates into fish, amphibians, and reptiles?	What characteristics help us identify and classify mammals and birds as warm-blooded vertebrates?	How can we use physical features to sort invertebrates into different groups like insects, arachnids, and molluscs?	How do scientists group plants into different categories based on their shared features?	What are micro-organisms, and how can we group them based on their characteristics and roles in the world around us?	How do scientists use shared characteristics to classify living things into groups, and why does this help us understand the natural world better?	
Autumn 2	Forces and Space: Unbalanced forces							
Unit 2	What is gravity, and how does it affect the way objects move and interact on Earth and beyond?	How does air resistance affect the movement of objects through the air, and what factors can	How does water resistance affect the movement of objects through water, and what features help reduce or	What is friction, and how does it influence the way objects move when they touch different surfaces?	How do levers, pulleys, and other simple machines make it easier to move or lift objects?	How does changing the length of a lever affect the amount of effort needed to move or lift an object?	How do different forces and simple machines affect the way objects move, and how can we use them to make tasks	

		change its impact?	increase its impact?				easier in everyday life?	
Spring 1	Materials: Properties and changes							
Unit 3	How does the hardness of a material affect what it's used for in everyday life?	How does the transparency of a material affect what it's used for in everyday life?	How does a material's ability to conduct heat or electricity affect what it's used for in everyday life?	What are reversible changes, and how can we show that some materials can return to their original state?	What happens during burning and rusting, and why are these changes impossible to reverse?	What happens when we mix certain materials, and how can we tell if the change is irreversible?		
Spring 2	Electricity and circuits							
Unit 4	How do different electrical appliances get their power, and what sources of electricity do they use?	What do we need to build a working electrical circuit, and how do each of the parts help it function?	How do switches control the flow of electricity in a circuit, and why are they important in everyday devices?	Why are some materials used to carry electricity while others are used to block it, and how does this help keep electrical circuits safe and useful?	What rules and behaviours help us stay safe when using electricity at home, school, and outdoors?			

Summer 1	Energy: Light and Reflection							
Unit 5	How does light travel, and what happens when it reflects off different surfaces?	How does light help us see objects, and what role do our eyes and brain play in this process?	What causes shadows to change in size and shape, and how does the position of the light source affect them?	What factors change the angle of a reflected ray, and how can we predict the direction light will travel after it hits a surface?	How does a periscope use mirrors and light to help us see things that aren't in our direct line of sight?	How do mirrors help us in everyday life, and what makes them useful in science, safety, and design?		
Summer 2	Animals: Human Timeline and Making connections: Are some sunglasses safer than others?							
Unit 6	How do our bodies and needs change as we grow from babies into adults and then into old age?	What physical and emotional changes happen to males and females during puberty, and why are these changes	How do gestation periods differ between humans and other animals, and what might these differences tell us about their development and life cycles?	How can the design and materials of sunglasses protect our eyes and health, and what science helps us decide which ones are safest?	How do circuits and electrical components help us control light, and what does reflection teach us about how light behaves	How does light help us explore and protect the human body, and what does this reveal about the connection between science and health?	How do living things grow, change, and survive in their environments, and what can light, reflection, and the human body teach us about these processes?	How does our understanding of light and reflection help us explore, protect, and care for the human body?

		important for growing up?			once it's produced?			
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