Walkwood
Church of England Middle School

Science 2026 - 27

	Wk	Year 5 — Topic	Learning Aims	Assessment	Year 6 — Topic	Learning Aims	Assessment
Autumn	1	Changes and Properties of Materials	Pupils investigate the properties of everyday materials and compare how different materials are used. They learn about conductors and insulators, explore thermal and electrical properties, and choose suitable materials for different purposes through practical investigations. Vocabulary: material, property, conductor, insulator, thermal, electrical, transparent, opaque, absorbent, waterproof, flexible, rigid		Animals, including Humans	Pupils investigate the circulatory system and learn how the heart, blood and blood vessels transport substances around the body. They explore the importance of diet, exercise and healthy lifestyles. Vocabulary: heart, circulation, artery, vein, capillary, blood, oxygen, nutrients, pulse, exercise	
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	3			Baseline test (GL)			
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	9						End of topic test
	10			End of topic test	Light	Pupils investigate how light travels in straight lines, how we see objects and how shadows are formed. They explain reflection using scientific models and evidence. Vocabulary: light, ray, reflection, reflect, shadow, opaque, transparent, translucent, source, spectrum	
	11	Earth and Space	Pupils learn about the Solar System, including the Sun, Earth, Moon and planets. They explain day and night, the movement of celestial bodies and how the Earth's rotation and orbit create patterns over time such as days, months and years. Vocabulary: planet, star, Moon, Earth, Sun, Solar System, orbit, rotate, axis, gravity, satellite, galaxy				
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	14						End of topic test
	15			End of topic test	Evolution and inheritance	Pupils learn how living things have changed over time through evolution. They explore inheritance, variation, adaptation and fossils as evidence for evolutionary change. Vocabulary: evolution, inheritance, variation, adaptation, offspring, characteristic, fossil, extinct, species, ancestor	
Spring	1						
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	6						End of topic test
	7	Living Things	Pupils compare the life cycles of mammals, birds, amphibians, insects and plants. They investigate reproduction, growth and development, including complete and incomplete metamorphosis in different organisms Vocabulary: life cycle, reproduction, offspring, metamorphosis, larva, pupa, adult, fertilisation, pollination, germination, mammal, amphibian				
	8			End of topic test			
	9				Electricity	Pupils build and investigate electrical circuits using recognised symbols. They explore how changing components affects circuit behaviour and explain how electricity flows. Vocabulary: circuit, cell, battery, voltage, current, switch, bulb, buzzer, motor, circuit symbol	
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	1	Forces	Pupils investigate gravity, friction, air resistance and water resistance. They explore how mechanisms such as levers, pulleys and gears help us do work more efficiently. Vocabulary: force, gravity, friction, air resistance, water resistance, mechanism, lever, pulley, gear, balanced forces				
	2						End of topic test
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	4			End of topic test			
Summer	5				Living things and their habitats	Pupils classify living things using observable characteristics and classification keys. They explore microorganisms and explain how scientists group organisms into different categories. Vocabulary: classify, classification key, vertebrate, invertebrate, microorganism, bacteria, fungi, species, organism, taxonomy	
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	8	Animals Including Humans	Pupils learn about the stages of human development from birth to old age. They explore the changes that occur during growth and compare the human life cycle with other animals. Vocabulary: infant, child, adolescent, adult, elderly, puberty, growth, development, lifespan, gestation				
	9						End of topic test
	10			End of topic test			End of Key Stage GL
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