



Year 6 Autumn 1 2026

Science - Electricity

Intent: To know the main circuit symbols and use these to draw circuit diagrams

SEQUENCE OF LESSONS

1. Explain the importance of the major discoveries in electricity.
2. Use recognised symbols when representing a simple circuit in a diagram by observing and explaining the effect of different volts in a circuit.
3. Build a Circuit
4. Compare and give reasons for variations in how components function, including the brightness of bulbs.
5. Planning different types of scientific enquiries to answer questions, including recognising and controlling variables by investigating the relationship between wire length and the loudness of buzzers.

Key Vocabulary: component, circuit, loudness, switch, brightness, buzzer, cell, battery, crocodile clip, voltage, current

Impact: Children know the main circuit symbols, use these to draw circuit diagrams, and are able to plan and conduct an investigation.

History - The round city: Baghdad

Intent: To explore why there was so much discovery and innovation in Baghdad.

SEQUENCE OF LESSONS

1. Perfect time for the perfect city
2. Perfect place for the perfect city
3. Building the perfect city
4. City of books and learning: the House of Wisdom
5. Learning about the world: astronomy, maths, geography
6. Changing the world: science, technology and medicine.

Key Vocabulary:

Chapter 1: al-Mansur Baghdad dirham astrologers descended descendants
Chapter 2: Caspian Sea establish silk roads
Chapter 3: decree engineers revenue dome quilts peter out
Chapter 4: Scholar House of Wisdom madrasas universities reconstruction
Chapter 5: numerals evolved calculate observatories astrolabe predict astrology
Chapter 6: minerals antiseptic influence anatomy arteries nerves surgery medical medicine encyclopedia, smallpox, qualifications, qualified surgeons, surgical, compass, rays of light, lenses, optics,

Impact: Children understand why there was so much discovery and innovation in Baghdad.

Geography-Why is California so thirsty?

Intent: To discover how and why California is affected by drought.

SEQUENCE OF LESSONS

1. Thirsty humans
2. A thirsty land
3. Why is California running out of water?
4. Growing almonds
5. The California Aqueduct
6. What next for California?

Key Vocabulary:

Chapter 1 vital precipitation treated Arizona state lines Los Angeles abundant scant iconic vocabulary barren radiant Colorado River snowmelt
Chapter 2 veneer sufficient obtain unpredictable downpours mesas rugged
Chapter 3 vividly brackish unwholesome insufficient Intensified
Chapter 4 almonds factors water supply
Chapter 5 drought-prone California Aqueduct remarkable residents lawn native plants drought-tolerant
Chapter 6 deluges snowpack compressed crucial trend crucially

Impact: Children understand how and why California is affected by drought.

RE-Islam 2 - The stories of the prophets

Intent: To investigate what Muslims learn from prophets as role models.

SEQUENCE OF LESSONS

1. Messengers of God
2. The first prophet
3. The great flood
4. Ibrahim's call
5. Musa listens to God
6. Dawud and Sulayman

Key Vocabulary:

Chapter 1 scholar in common unique to glimpses role models Adam Prophetic Kutub Hawwa
Chapter 2 existed eternity Khalifa khalifa thrive prosper Shaytun haughty arrogant haughtiness blissful toil Arafat arrogance wretched astray misery
Chapter 3 Nuh lowly persevered taunted refuge ceased subside perseverance vanity
Chapter 4 Ibrahim humiliated barren dismayed steadfast dedication moral of the story miraculous
Chapter 5 hurriedly conceal continuous Narration narrative bride-price longing firebrand despair prospect
Chapter 6 Dawud Sulayman prophethood echo falsehood penitent ushered

Impact: Children understand what Muslims learn from the prophets as role models.

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PSHE - Being me in my world
Intent: To explore our and others' place in the world

- SEQUENCE OF LESSONS**
- 1. My Year Ahead
 - 2. Being a Global Citizen 1
 - 3. Being a Global Citizen 2
 - 4. The Learning Charter
 - 5. Our Learning Charter
 - 6. Owing Our Learning Charter

Key Vocabulary: behaviour, choices, collaboration, community, consequence, cooperation, cocoa plantation, cocoa pod, decision, democracy, education, empathise, Ghana, legal, illegal, unlawful, needs, obstacles, opportunities, participation, proud, report, resilience, responsibilities, rewards, rights, trusted adult, value, wants, West Africa, worries

Impact: Children will know what lies ahead in the coming year and their place in the world as a Global Citizen.



Computing - Computing systems and networks: Bletchley Park and the history of computers
Intent: To know the importance of cyber security and the history and future of computers

- SEQUENCE OF LESSONS**
- 1. Secret Codes
 - 2. Brute Force Hacking
 - 3. Computers of the Past
 - 4. Future Computer
 - 5. Audio Adverts
- Key Vocabulary:** acrostic code, cipher, scrambled, secret, brute force hacking, chip and PIN system, combination, password, secure, discovery, invention, technological advancement, CPU, GPU, hard drive, RAM, touch screen, audio advert, software, background noise, script

Impact: Children know the history of modern computing and how to keep personal data safe online

DT - Electrical systems: Steady hand games
Intent: To understand electrical circuits by designing and creating a steady hand game with an operational buzzer system.

Key Vocabulary: form, fine motor skills, function, research, gross motor skills, user, research, battery, bulb, buzzer, circuit, circuit symbol, design criteria, electricity, side view drawing, top view drawing, assemble, design criteria, net, stable, tabs, switch, test, evaluate, problem solving

Impact: Children understand how design and make a steady hand game with an operational buzzer

Music - Dynamics, pitch and texture: Coast
Intent: To understand musical eras in context, use detailed musical vocabulary

- SEQUENCE OF LESSONS**
- 1. Exploring Fingal's Cave
 - 2. Making Waves: Pitch and Dynamics
 - 3. Making Waves: Texture
 - 4. Group Composition
 - 5. We Are Waves
- Key Vocabulary:** depict, conductor, dynamics, improvise, pitch, texture, graphic score, notate, notation, timbre, composition, practicing, ensemble

Impact: Children know that the 'inter-related dimensions of music' are the seven main building blocks of all music

- SEQUENCE OF LESSONS**
- 1. Developing Through Play
 - 2. Game Plan
 - 3. Base Building
 - 4. Electronics and Assembly

PE - Circuit training/OAA
Intent 1. To develop flexibility, strength, technique, control and balance
Intent 2. To take part in outdoor and adventurous activity challenges, both individually and within a team

- | SEQUENCE OF LESSONS 1 | SEQUENCE OF LESSONS 2 |
|--------------------------------|------------------------------|
| 1. Circuit Safety | 1. Perfect Problem Solving |
| 2. Pulse Racers | 2. Positivity & Perseverance |
| 3. Personal Targets | 3. Expert Communication |
| 4. Circuits & Strength | 4. Leadership & Cooperation |
| 5. Leading Individual Sessions | 5. Dream Team Showdown |
| 6. Group Training | 6. Competitive Orienteering |

Key Vocabulary:

- 1. Circuit training, exercise, fitness, pulse, improve, intensity, maintain, mental health, muscles, personal best, physical health, safe, strength, training, wellbeing, workout
- 2. OAA, orienteering, challenge, problem solving, solution, strategy, logic, trial & error, systematically, communication, collaboration, teamwork, monitor, evaluate

Impact: Children use a step-by-step approach to solve problems and work effectively with others to achieve a common goal