

## Science-Properties and Changes of Materials

**Intent:** To understand the properties and changes of materials.

### SEQUENCE OF LESSONS

1. Hardness: exploring the hardness and uses of materials and evaluating a method.
2. Transparency: exploring the transparency and uses of various materials and drawing a results table
3. Conductivity: exploring the thermal and electrical conductivity of materials and method writing.
4. Reversible changes: exploring reversible changes, including dissolving and changes of state and skill of prediction writing.
5. Irreversible changes: Burning and rusting. Exploring the irreversible changes of burning and rusting and conclusion writing.
6. Irreversible changes: Mixing  
Exploring irreversible changes, including cooking and mixing vinegar and bicarbonate of soda and measuring data accurately

**Key Vocabulary:** burning, control variable (LKS2), conductor, electrical conductivity Hazard, insulator, irreversible change method (LKS2), reversible change Rust, rusting, safety, thermal conductivity Transparency, trustworthy (LKS2) variable

**Impact:** Children can understand the properties and changes of materials.

# Year 4/5 Autumn Term 1 - 2026



## Y5 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?

Y5

**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 Y5 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.

# Year 4/5 Autumn Term 1 - 2026



## Y4- History - Roman Republic

**Intent:** To understand the Roman Republic and some of its key events.

### SEQUENCE OF LESSONS

1. Romulus: the first king of Rome
2. The Roman Republic
3. Rome vs Carthage
4. Hannibal's attack on Rome
5. Scipio saves Rome
6. Culture in the Roman Republic

**Key Vocabulary:** legend, Romulus, Remus, Tiber, shepherd, omen, 753BC, Rome, senators, unity, toga, temples, cunning, Sabine, festival, signal, religious, seven hills, Tarquin the Proud, Brutus, senate, represent, consuls, republic, SPQR, Peninsula, Carthage, Carthaginians, surrendered, Punic Wars, heavy fines, Hannibal, revenge, camp, cavalry, battlefield, were lost, ambushed, Scipio Africanus, threat, criticized, patrician, plebeians, elect, representatives, overrule, enslaved

**Impact:** Children can recall key facts about the Roman Republic, understand some key events and explain how much power the senate had.

## Y4- Geography – The Rhine and the Mediterranean

**Intent:** To understand water as a resource, human use of resources, including land, factors influencing the growth of settlements and cities.

### SEQUENCE OF LESSONS

1. The River Rhine
2. Cologne: city on the Rhine
3. Rotterdam: the mouth of the Rhine
4. The changing Rhine
5. The Mediterranean Sea
6. The Suez Canal

**Key Vocabulary:** Rhine, Alps, North Sea, Upper Rhine, Lower Rhine, confluence, Cologne, banks, rainfall, flooding, flood walls, port, harness, importing, exporting, canal, wetlands, drained, lock, strait, the med, enclosed sea, peninsula, mainland, waterway, Suez Canal, Red Sea

**Impact:** Children can explain how different parts of the Rhine and the Mediterranean are used by people.

## Y4- RE – The family of Jesus

**Intent:** To understand why these stories are important to Christians and how Jesus is depicted in the art of different cultures.

### SEQUENCE OF LESSONS

1. Judea in the first century BC
2. The coming of the Messiah
3. Mary and Joseph
4. The Annunciation
5. Mary visits her cousin Elizabeth
6. Why are these stories important for Christians?

**Key Vocabulary:** Judea, Herod, pledges, Messiah, anointing, foretold, the Davidic line, Mary, Nazareth, Joseph, carpenter, engaged, lily, Old Testament, New Testament, Gospels, Christ, Elizabeth, Gabriel, the Annunciation, Hail Mary, Christmas carol, rejoicing, appearance, angelic

**Impact:** To explain why the idea of 'Messiah' is so important to Christians.

**PSHE Intent:** To understand the rights and responsibilities we have as members of our school community.

#### SEQUENCE OF LESSONS

1. My year ahead - setting goals
2. Understanding the rights I have as a citizen of my country.
3. Understanding the responsibilities I have as a citizen of my country.
4. Rewards and consequences and making our own choices about our behaviour.
5. Creating our learning charter
6. Owning our learning charter.

#### Key Vocabulary:

education, appreciation, opportunities goals, motivation, vision, hopes, challenge, rights, collaboration, communication

**Impact:** Children can understand the rights and responsibilities we have as members of our school community.

**Music Composition notation (Ancient Egypt)**  
**Intent:** To sing in time and compose and perform a melody

#### SEQUENCE OF LESSONS

1. Here come the Egyptians: singing Egyptian-themed vocal warm-ups and learning the song 'Gift of the Nile'
2. Hieroglyphic score: creating improvised pieces of music and notating them using hieroglyphs.
3. Play like an Egyptian: learning the names of different note lengths and identifying them in familiar sheet music
4. Pitch pyramids: learning how the position of a note on the staff dictates its pitch.
5. Egyptian farewell: composing a piece of music celebrating a pharaoh's journey into the afterlife.

**Key Vocabulary:** accuracy, backing track, balance composition, control, crotchet, dotted minim, ensemble expression, features, fluency, lyrics, minim, minor key notation, parts, pitch, pitch notation, quaver, repeating rhythm, semibreve, sheet music, staff notation, stave structure, tempo, tune, tuned percussion, unison, vocal warm-ups

**Impact:** Children can sing in time to a piece of music and compose their own melody.

## Year 4/5 Autumn Term 1 - 2026

### Computing

**Intent:** To investigate search engines and develop effective searching skills to find relevant and accurate information online.

#### SEQUENCE OF LESSONS

1. Searching basics: testing searching skills by finding specific websites or information as fast as possible.
2. Inaccurate information: understanding that not everything online is true.
3. Web quest: Learning how to quickly find relevant information on a specific topic.
4. Information poster: ensuring appropriate credit for images and videos is used when creating an informative poster.
5. Web crawlers: Developing an understanding of web indexes, what can affect page rank and the role of web crawlers.

#### Key Vocabulary:

Algorithm, copyright, credit, fake news, inaccurate, index, keywords, online page rank, search engine, TASK, web crawler Website, www

**Impact:** Children can explain what a search engine is, suggest several search engines to use and explain how to use them to find websites and information.

### PE

**Intent:** To learn and develop the skills and techniques needed in Outdoor Adventurous Activity and circuit training.

#### SEQUENCE OF LESSONS

Outdoor Adventurous Activities

1. Communicate and collaborate,
2. Agility and Endurance,
3. Navigation skills,
4. All about Maps,
5. Around the Grounds,
6. Orienteering around the grounds.

Circuit Training

1. Simple Circuits
2. Individual Challenges
3. Fitness Battles
4. Speed, Agility, Quickness
5. 5. Group Challenges
6. Fitness Instructors

#### Key Vocabulary:

orienteering, map, compass, collaborate, communicate Agility, cardio, core, recovery, muscle groups, speed, stamina, strength

**Impact:** Children can learn and develop the skills and techniques needed in Outdoor Adventurous Activity and circuit training.

### Art

**Intent:** To learn how to use colour and line to convey emotion or movement in their sketch.

#### SEQUENCE OF LESSONS

1. Expressing movement: exploring how expressive and gestural lines can capture a sense of movement.
2. Showing emotion through line: Investigating how lines and marks can communicate emotion and emphasise elements in a composition.
3. Showing depth through mark making: understanding how artists use mark making and shading to create depth.
4. Understanding the steps of making a print: exploring what makes a good composition by designing a print.
5. Printing: applying printmaking techniques to develop a final artwork based on their refined drawings, blending influences from artists.
6. Every picture tells a story

**Key Vocabulary:** background, composition, depth, focal point, foreground, main subject, middle ground, printing plate, printmaking, proportion

**Impact:** Children use a combination of marks to create tone and depth to create an effective printing plate

