



Year 5: Autumn 2

Science: Properties and changes to materials

Intent: To identify different materials and to be able to identify changes of state, both reversible and irreversible.

Sequence of lessons:

1. Can I classify materials as transparent, translucent or opaque?
2. Can I classify materials based on whether they are attracted to magnets?
3. Can I define the terms conductor and insulator?
4. Can I state which types of material make the best thermal and electrical conductors/insulators?
5. Can I demonstrate that dissolving, mixing and changes of state are reversible changes?
6. Can I understand that some materials will dissolve in liquid to form a solution?

Key Vocabulary: Transparent, translucent, opaque, magnet, conductor, insulator, thermal, dissolving.

Impact:

Children can discuss the properties of different materials and discuss changes of state.

History: Cradles of Civilisation

Intent: To study the land between two rivers: Ancient Mesopotamia –the unique 'cradle'. To consider the geographical overview of ancient civilisations of the world. Study of the ancient Sumer in Mesopotamia via rivers and settlements and via art of ancient civilisations.

Sequence of lessons:

1. The land of the two rivers.
2. Trade, building and writing.
3. The Epic of Gilgamesh.
4. Cradles of civilization.
5. Similarities between civilisations.
6. Art in ancient civilisations.

Key Vocabulary: tablets, fertile, Sumer, trading herding, weaving, epic, nomadic, Gilgamesh, cradle, bronze, altar, sacrifices, decipher, sculptures, mythical, decorative.

Impact:

Children are able to identify the similarities and differences between Ancient Egypt and Ancient Sumer.

Geography: Mountains

Intent: To identify the highest mountain in each of the four countries of the UK and consider the relationship between mountains and weather, and mountains and people.

Sequence of lessons:

1. What is a mountain?
2. Mountain ranges
3. Why do people live on a mountains?
4. Living in the Andes.
5. Mountain regions of the UK
6. Snowdonia

Key Vocabulary: Mountain range, Ben Nevis, peak, slope, terraces, Himalayas, Alps, summit, Andes, terraced farming, mountain pass, trek, valleys, Lake District, Highlands, Pennines Yorkshire Dales, Brecon Beacons, Snowdonia, above sea level.

Impact:

Children can describe in detail how mountains and people affect each other.

RE: More Hindu Stories

Intent: To read and understand the stories of Vishnu and his avatars, Manu and Matsya. Learn about the importance of sacred knowledge in Hinduism (through Manu/Matsya story). Consider Ancient texts in Hinduism, including epics Vishnu's symbols. Learn the origins of Hinduism in Indus Valley/Hinduism as a sacred religion.

Sequence of lessons:

1. Manu and Matsya the fish.
2. The Vedas in danger.
3. Vishnu and his symbols.
4. A changing religion.
5. Arjuna faces the battlefield.
6. Arjuna and Krishna have a conversation.

Key Vocabulary: holy, Manu, Matsya, conch, wrestled, precious, chakra, purity, Sanskrit, Krishna, exile, avatars.

Impact:

Children understand what Hindus learn from Vishnu's stories and symbols.



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Art: Textiles- Painting & mixed media: Portraits

Intent: Investigating self-portraits by a range of artists, children use photographs of themselves as a starting point for developing their own unique self-portraits in mixed-media.

Sequence of lessons:

1. Can I explore how a drawing can be developed?
2. Can I combine materials for effect?
3. Can I identify the features of self-portraits?
4. Can I develop ideas towards an outcome by experimenting with materials and techniques?
5. Can I apply knowledge and skills to create a mixed media self-portrait?

Key Vocabulary: art medium, atmosphere, background, carbon paper, collage, composition, continuous line drawing

Impact:

Children can produce a finished portrait applying a mixture of different medias.

Computing: Computer safety

Intent: Children know their responsibilities online and how to support others. They can make a judgement on the reliability of a website and know how to protect their privacy.

Sequence of lessons:

1. Can I understand my responsibilities online and how to support others?
2. Can I understand how to protect my privacy online?
3. Can I understand how to cite sources in my writing?
4. Can I ensure reliability through using different methods of communication?

Key Vocabulary: citation, copyright, identity theft, malware, communication, encrypt, password, personal information, phishing.

Impact:

Children know how to ensure they are staying safe online.

PE: Dance

Intent: Pupils learn different styles of dance, working individually, as a pair and in small groups. In dance as a whole, pupils think about how to use movement to explore and communicate ideas and issues and their own feelings and thoughts.

Sequence of lessons:

1. Can I create a dance using a random structure and perform the actions showing quality and control?
2. Can I understand how changing dynamics changes the appearance of the performance?
3. Can I understand and use relationships and space to change how a performance looks?
4. Can I copy and repeat movements in the style of rock 'n' roll?
5. Can I work with a partner to copy and repeat actions in time with the music?
6. Can I work collaboratively with a group to choreograph a dance in the style of Rock 'n' Roll?

Key Vocabulary: actions, dynamics, collaboration, consideration, empathy, confidence, creativity, observation.

Impact:

Children can choreograph a dance in their groups in the style of rock and roll.

PSHE- Celebrating Differences

Intent: To be able to celebrate each other's differences and know how to problem solve in social situations.

Sequence of lessons:

1. Can I accept that everyone is different?
2. Can I include others when working and playing?
3. Can I understand help if someone is being bullied?
4. Can I try to solve social problems?
5. Can I try to use kind words?
6. Can I understand how to give and receive compliments?

Key Vocabulary: individuality, diverse, equality, identity, courage, disability, visual, impairment, empathy, perception, imbalance, harassment, achievement, perseverance

Impact:

Children can accept that everyone is different and know how to be kind and inclusive. They can also solve friendship problems independently.

Year 5: Autumn

MFL

French

Intent: Developing listening and language detective skills through a space theme; using figurative language and developing sentence structure by adding adjectives and prepositions; making simple adjectival comparisons.

Sequence:

1. Can I identify keywords, phrases and ideas from spoken French?
2. Can I apply knowledge of noun and adjective agreement to create metaphors in French?
3. Can I make comparisons in French?
4. Can I develop understanding of the rules of adjectival agreement?
5. Can I form questions in order to ask for information about alien planets?

Key Vocabulary: le Système solaire, le Soleil, la Lune, la Terre, une planète, l'espace, plus ... que

Impact: Children are able to write simple sentences in French and apply some of their new French grammatical knowledge such as adjectival agreement.

Music

Intent: Children are introduced to this famous genre of music and its history, and learn to identify the key features and mood of Blues music and its importance and purpose. They also get to grips with the 12-bar Blues and the Blues scale, and combine these to create an improvised piece with a familiar, repetitive backing.

Sequence:

1. Can I identify some features of blues music?
2. Can I play the first line of the 12-bar blues?
3. Can I play the 12-bar blues?
4. Can I play the blues scale on a tuned instrument?
5. Can I improvise with notes from the blues scale?

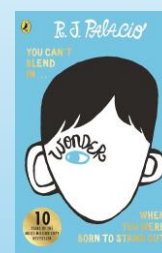
Key Vocabulary: 2-bar blues, ascending scale, backing track, bar, bent notes, blues, blues scale, chord, convey

Impact:

Children can play the 12-bar blues scale and improvise it.

English

In our English Reading lessons, we will be reading *Wonder* by R.J. Palacio. We will have a focus on different reading VIPERs skills such as inference and retrieval.



In our English writing lessons we will be starting by writing a biography and a letter. This is based on the book *Hidden Figures*. We will then go on to writing from different perspectives with the stimulus 'Unexpected guest,' which is a John Lewis advert.



Maths

Power Maths and White Rose are used to support our teaching of Maths.

Children will be developing their understanding of multiplication and division

They will then be looking at fractions and exploring equivalent fractions, improper fractions and ordering fractions.

