Theme: Light

How do we celebrate difference?
British Values: Tolerance of others

Year 6

Term 2 Learning map

SYNOPSIS

In science, our topic will be Light. We will be learning about how light travels, how we see objects and about how shadows are formed. In RE, our key question we will be examining is 'Is it better to express your beliefs in arts and architecture or charities and generosity?'
In addition, we will be looking at data handling in Computing by learning how to use Excel to input, sort, filter, calculate data, and represent the data in different ways. In geography, we will be discovering more about South America with particular focus on Brazil. Plus, we will be enjoying a unit of Street dance in PE.

CELEBRATION

Theatre trip

Key text in English

Christmas Carol

by Charles Dickens

Science

Light

Building on their learning from Year 3, pupils will recognise that light appears to travel in straight lines. They will use this key concept to explain that objects are seen because they give out or reflect light into the eye. Pupils will use the idea that light travels in straight lines to explain nature of shadows and will also investigate the relationship between light and colour. They will further develop their working scientifically skills through various enquiries.

Vocabulary: light, light source, names of light sources e.g. torch, dark/darkness, reflect, reflective, mirror, shadow, block, absorb, direct/ direction, transparent , opaque , translucent, spectrum, pupil, iris, retina, optic nerve, lens, angle of incidence/reflection

PSHE

Celebrating Differences

Linked to this term's core value of respect, we will be examining how there are different perceptions of normal and that we should empathise with people who are different. We will explore people with disabilities who lead amazing lives. We will focus on what bullying behaviour is, why people use them, ways to manage feelings in bullying situation and what support is available.

Vocabulary: Normal, Ability, Disability, Empathy, Perception, Diversity, gender, Courage, Fairness, Responsibilities, Rights, , Power Struggle, Imbalance, Control ,Harassment Bullying, Bullying behaviour, Direct, Indirect, Argument, Recipient

RE

'Is it better to express your beliefs in arts and architecture or charities and generosity?'

In this topic, we will consider what makes a place sacred and consider the value of religions having somewhere to worship. In addition, we will look at how religion is expressed in Christian and Islamic art. By exploring Christian and Muslim beliefs about charity and generosity, we can consider questions such as 'What the world would be like without great art or architecture?' 'What about a world without charity or generosity?'

Vocabulary: Art, Architecture, Sacred, Charity, Generosity, Church, Mosque, Almsgiving, Zakat

Geography

How does the UK compare with Brazil?

At the start of this unit, we revisit the key features of our world, e.g. continents, oceans, rivers, mountain ranges, capital cities. This leads us into learning about the climate zones of our world. In addition, we will use longitude and latitude to locate places in an atlas. The main focus of the learning will then be comparing the physical and human geographical features of Brazil and the UK using a range of resources such as maps, videos and books.

Vocabulary: Latitude, Longitude North/ South hemisphere, Tropics of Capricorn and Cancer, Time differences, Meridian, Greenwich mean time, climate zones.

Maths

Calculation
- Mental methods and estimation
- Mixed calculation problems
- Order of operation

Fractions
- Finding equivalent fractions and expressing fractions in their simplest forms.
- Recognise fractions as numbers and be able to place them on number lines
- Compare and order fractions using either common numerators or denominators
- Adding and subtracting fractions
- Adding and subtracting mixed numbers
- Multiply fractions by a whole number or by a fraction.
- Divide fractions by a whole number.
- Find fractions of amounts

Converting Measure –
- Metric measures
- Convert and calculate metric measures
- Convert miles and kilometres
- Imperial measures