

Art & Design:

Autumn 2

*Improve mastery of techniques such as drawing and painting with varied materials

Railway posters (Linked to History)

Computing:

Autumn 1: design, write and debug programs that accomplish specific goals

Autumn 2: use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs

Traffic Lights - Scratch

RE: Hinduism

Autumn 1&2

*Why, where and how do Hindus worship?

*Why and how do Hindus celebrate, or otherwise mark, important times of the year and life?

*How are Hindu beliefs expressed through food, clothes, symbols and the arts?

PSHE:

Autumn 1: New Beginnings

Autumn 2: Relationships

Maths:

White Rose Maths

MFL:

Autumn 1

*Listen & engage

*Ask & answer questions

*Speak in sentences using familiar vocab

Autumn 2

*Develop appropriate pronunciation

*Show understanding of words & phrases

*Appreciate stories, songs, poems & rhymes

Geography:

Autumn 2

*human geography, including: types of settlement and land use, economic activity including trade links, and the distribution of natural resources including energy, food, minerals and water

*use fieldwork to observe, measure, record and present the human and physical features in the local area (linked to history unit)

Milton Keynes and local towns i.e. Wolverton, Newport Pagnell, Stony Stratford

English:

Autumn 1

Instructions

Warning tale

Autumn 2

Tongue twister

Newspapers

Music:

Autumn 1

*begin to develop understanding of the history of music

*improvise & compose music

*listen with attention to detail

Autumn 2

*use voice & instruments with increasing accuracy, control & expression

*appreciate wide range of live & recorded music drawn from different traditions and from great composers and musicians

History:

Autumn 1

*History of transport. Focusing on how cars have changed overtime and become more efficient.

Stephenson (Rocket) & Wolverton (railways)

Design Technology:

Autumn 1

*understand and use mechanical systems in their products [for example, gears, pulleys, cams, levers and linkages]

*Evaluate existing products & improve own work

*Use annotated sketches & prototypes to explain ideas (linked to History)

Build a car using different mechanical systems

Science:

Autumn 1

Forces

*compare how things move on different surfaces

*notice that some forces need contact between two objects, but magnetic forces can act at a distance

*observe how magnets attract or repel each other and attract some materials and not others

*compare and group together a variety of everyday materials on the basis of whether they are attracted to a magnet, and identify some magnetic materials

*describe magnets as having two poles

predict whether two magnets will attract or repel each other, depending on which poles are facing.

Autumn 2

Light

*recognise that they need light in order to see things and that dark is the absence of light - notice that light is reflected from surfaces

*recognise that light from the sun can be dangerous and that there are ways to protect their eyes

*recognise that shadows are formed when the light from a light source is blocked by an opaque object

*find patterns in the way that the size of shadows change.