

## Science

### Light

To understand and explain that light travels in straight lines from light sources to our eyes, and from light sources to objects and then to our eyes.

To create a model of light travelling.

To understand how mirrors reflect light, and how they can help us see objects.

To create a periscope and explain how it works.

To investigate how refraction changes the direction in which light travels.

To investigate how a prism changes a ray of light.

To investigate how light enables us to see colours.

### Art

Using the traditional design format to create a Mayan mask for a celebration.

## English

Activities based around the poem

'The Highwayman' including:

Descriptive writing, monologue, letter, poem, story, informal/formal writing, scene setting, drama, hot seating.

**Grammar** - Understand how words are related by meaning as synonyms and antonyms - Understand when formal and informal language may be used. Recognise the difference between vocabulary typical of informal speech and appropriate for formal speech and writing. Recognise the difference between structures typical of informal speech and those appropriate for formal speech and writing - Apply the features of formal and informal language to writing.

## Maths

**Decimals:** Understand numbers up to 3 decimal places.

To multiply decimals by 10, 100 & 1000.

To understand digits move to the left when multiplying.

To use division to solve problems where the answer has up to 2 decimal places.

To convert decimals into a fraction.

**Percentages:** To understand that 'percent' means out of 100.

To use equivalences between simple fractions and percentages.

To convert between fractions, decimals and percentages.

To find percentages of amounts eg/ 50%, 25%, 10%.

To find percentage increase and decrease.

**Algebra:** To explore simple one-step function machines. To write these one-step functions as algebraic expressions.

To use trial and error to consider different patterns.

To explore 2-step function machines. To work out input and output values given the rule.

To substitute simple expressions and equations to find a particular value.

To use simple formulae.

To think about solving equations through worded problems.

Learn to solve equations using a balancing method and the use of inverse operations.

## Topic – History

Learn who the ancient Maya people were and where and when they lived.

Use maps and atlases to locate Maya cities and identify countries in Mesoamerica. Learn about the religious beliefs and rituals of the ancient Maya people and find out more about some of the many gods they worshipped.

Learn about the types of food eaten and find out about the importance of corn and chocolate.

Research art and architecture of the Maya civilization.

To understand how the Maya number system works and how they constructed/used their calendars.



### Spanish

En Mi Pueblo – 'In my Town'

Where do you go in town?

What different modes of transport do you use?

### P.E.

Problem Solving & Challenge Games  
Commando Joe Unit – Ibn Battuta

## R.E – PSHE

### R.E – Christianity

Belief & Meaning

Is anything ever eternal?

### PSHE – Dreams and Goals

Staying motivated when challenged.

Working well with others.

Helping to make a difference.

Have a positive attitude.

Recognising own achievements.

### Music

Charanga Unit 3 – A New Year Carol



## Home and School

Maths homework will be set online every Monday - English every 2 weeks. This will consist of:

- Spelling Unit set through Spelling Shed
- Times tables games and challenges set through Time Table Rockstars

Pupils will also be given a Reading Challenge booklet every half-term to be completed at home with more information included in the booklet itself.