

## Science

**Topic:** Light

### Key Skills:

- Explain how light travels
- Understand that all objects reflect light
- Understand refraction as light bending or changing direction
- Explain prisms
- Make observations and conclusions
- Answer questions based on their learning

### Ideas:

- Create a light documentary
- Creating a periscope
- Create colour wheels
- Perform shadow puppet shows

## English

Topic: Persuasion/Discussion

The day the crayons came back

Key Skills:

### **National Curriculum**

- Understanding what is being read by predicting and using inference.
- Plan writing for audience and purpose.
- write using appropriate form
- Choose appropriate grammar and vocabulary.
- Edit work for spelling and punctuation errors, grammar and vocabulary.

**Key Skills:**

- Understanding the structure of a persuasive text
- Writing for different characters' points of views..
- Analysis of a book and themes found

## Maths

**Topics:** Fractions and Geometry

### Key Skills:

- Use common factors to simplify fractions; use common multiples to express fractions in the same denomination.
- Compare and order fractions, including fractions  $> 1$
- Generate and describe linear number sequences (with fractions)
- Add and subtract fractions with different denominations and mixed numbers, using the concept of equivalent fractions.
- Multiply simple pairs of proper fractions, writing the answer in its simplest form
- Divide proper fractions by whole numbers
- Describe positions on the full coordinate grid (all four quadrants).
- Draw and translate simple shapes on the coordinate plane, and reflect them in the axes.

### Ideas:

Concrete, pictorial and abstract.  
Solving problems

Autumn Term 2  
Year 6  
2021

## Ivrit

Topic: Shopping

Key Skills :

. Speak in sentences, using familiar vocabulary, phrases and basic language structures.

Engage in conversations; ask and answer questions; express opinions and respond to those of others.

Read carefully and show understanding of words, phrases and simple writing.

Understand basic grammar appropriate to the language being studied.

Write phrases from memory, and adapt these to create new sentences.

Ideas:

Know how to conjugate a range of high frequency verbs

Read aloud and understand a short text containing unfamiliar words, using accurate pronunciation.

Write a range of phrases and sentences from memory and adapt them to write his / her own sentences on a similar topic.

Create his / her own sentences using knowledge of basic sentence structure.

## Music

**Topic:** Ensemble performance

Types of music : songs for different occasions; Hannukah song composition.

Key Skills: sing songs following the melody well; perform with others; learn how to create an ensemble performance; taking instructions from the leader;

Ideas: perform to audiences; create accompaniments to songs.

## Computing

**Topic:** Coding

### Key Skills:

- To design programs
- use variables within a game to keep track of the properties of objects.
- use functions and understand why they are useful in 2Code.
- debug a program and organise the code into tabs.
- organise code into functions.
- explore the options for getting text input from the user in 2Code.
- use flowcharts to test and debug a program.

## Art/DT

**Topic:** Frida Kahlo

### **National Curriculum:**

- To create sketch books to record their observations and use them to review and revisit ideas.
- To develop art and design techniques, including drawing, painting and sculpture with a range of materials [for example, pencil, charcoal, paint, clay]

### **Key Skills:**

- To develop a wide range of art and design techniques in using colour, pattern, texture, line
- To create sketch books to record their observations and use them to review and revisit ideas
- To look at famous artists work and be able to describe their style and use it as inspiration

## PSHE and FBV

**Topic:** Healthy Relationships

### Key Skills:

Understand the importance of touch in a range of contexts.  
Difference between appropriate and inappropriate touches.

Know that relationships can change as a result of growing up.

### Ideas:

- Exploring senses and boundaries

## PE

Topic: Competitive games

Key Skills:

Invasion games attacking and defending

Invasion games tactics

Gym

Ideas:

Football/Tag Rugby/Netball/Basketball/Hockey/Handball