

# Year 6 Topic Information: *Lights, Camera, Action!*

Term 1.1

Teachers: Mrs. Cooke, Ms. Potter, Mrs Nicholls



## Computing

Coding: Children plan a program before coding to anticipate the variables that will be required to achieve the desired effects.

## Literacy

Playscripts: introducing Shakespeare through a child friendly version of 'A Midsummer Night's Dream' with the aim to compose students' own short playscripts and to create a story narrative.

## Art/Design Technology

Photography: Learning about and practising the principles of composition, perspective and the rule of thirds to create interesting photos.

## Music

Singing. Students will be guided through exercises to practise techniques such as stretching, relaxation, posture, pitching, breathing, listening and vocal warm-ups. Students will sing songs from a variety of times and cultures.

## Science

**Light:** Light sources, how we see, shadows, reflections.

**Electricity:** creating circuits, the effect of varying voltage and components, using switches, drawing circuits using recognised symbols.

## Geography

Energy sources - Researching how energy sources affect our lives, to be able to construct a diorama showing urban infrastructure, e.g. building a circuit with lights and switches, to show how it lights up buildings, streets etc.  
 Investigation into the different uses of electricity to incorporate in the diorama.

## PSHE

Class essential agreements  
 Student council elections  
 Setting ground rules for PSHE  
 Respecting ourselves and each other  
 Respectful relationships

## Maths

### Place Value:

Compare and order numbers  
 Rounding

Negative numbers

### Number - four operations:

Add and subtract whole numbers with more than 4 digits (column method)

Multi-step addition and subtraction problems

Multiply 3-digits by 2-digits

Divide with remainders Recognise common factors and multiples

Prime numbers to 100

Order of operations

## History

Significant historical figures (Newton and Edison).

Learning about the influence of the discoveries and inventions of Newton and Edison on modern life.

## Drama

Creatively develop thinking skills by exploring a variety of theatre techniques.

Effectively adopt, develop and sustain a role for a performance.  
 Evaluate different aspects of a live performance, including characterisation, dramatic effects and suitability for different audiences..

## MFL:

### Arabic (Native)

Reading lessons: Birds that don't fly/Animal world. Grammar: Revision/ Dual nouns/ Plural nouns.

### Arabic (MFL)

Revision, places, make simple sentences/ short paragraphs based on the previous knowledge -Target Language - listening & speaking skills

### Spanish/French

Revision, places, make simple sentences, use negative form, recite a short text.

## PE

Athletics - refining technique and building understanding of running, throwing and jumping techniques. This will include both sprints and endurance events, javelin, shot putt, high jump and long jump.

Swimming - Developmentally appropriate stroke development across all four major swimming strokes.

Football - Refining passing and movement skills

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## The Big Picture

We will investigate and prove theories linked to light and electricity and argue its impact on society. We will learn about the contributions of significant individuals in history related to light and electricity.

We will find answers for the following questions:

**How exactly does light help us to see?**

**How did the development of electric light change society?**

**What are the positive and negative impacts of different energy sources on the wider world?**

Science, English, History, Geography, Art and Design Technology will link to the overall topic.

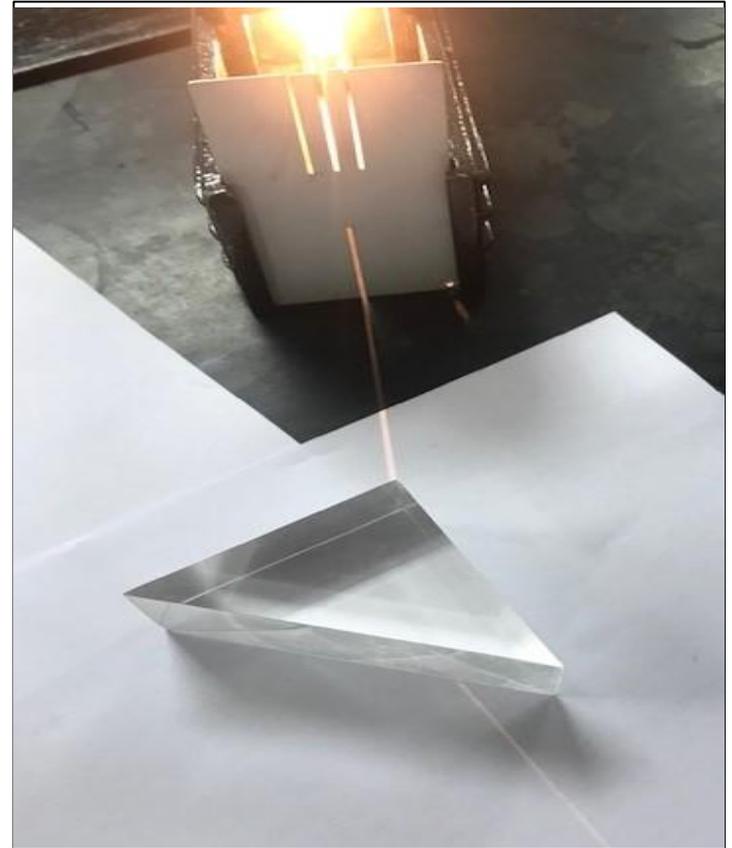
We will:

- Make periscopes
- Create stage lighting for a play
- Take and display unusual photographs
- Create a diorama showing urban infrastructure by incorporating an electrical circuit with lights, motors, switches etc.

## How you can help..

Science: In Year 6/Groep 7 we will be starting our Topic 'Lights, Camera, Action' on Monday 6th September. For the provocation, we would like all our Y6/Gr 7 students to wear dark clothing. We would therefore appreciate it if you could send black or dark blue clothes to school with your child on Monday that they can change into for the afternoon. Please note that the black PE tracksuit would not be suitable because of the white stripe on the arms and legs.

Geography: Children should bring a shoe box for constructing their diorama.



## Trips, Events, Dates

Each Year Group will visit the Secondary Science Department laboratories twice during this unit, where students will learn about refraction and create electrical circuits.

Year Group Assembly.