

## Lavender Topic Planner – Year 6 – Autumn 2

### ENGLISH

**Outcome:** children will write a non-chronological report describing an aspect of World War One. They should be able to:

- Plan and write by: identifying audience and purpose drawing on similar writing models, reading and research
- Draft and write by: selecting appropriate vocabulary and language effects, appropriate to task, audience and purpose, for precision and impact
- Evaluate and edit by: reflecting upon the effectiveness of writing in relation to audience and purpose, suggesting and making changes to enhance
- Use devices to build cohesion between paragraphs in and explanatory texts e.g. on the other hand, as a consequence.

**Outcome:** children will write a technical report about how a periscope works. They should be able to:

- Punctuate bullet points consistently
- Selecting the appropriate language and structures
- Evaluating, selecting and using a range of organisation and presentational devices for different purposes and audiences
- Identify and use colons to introduce a list
- Spoken language: use relevant scientific language and illustrations to discuss, communicate and justify his/her scientific ideas.

### MATHS

**Outcome:** children will use their mathematical skills to design and build a periscope. They should be able to:

- Describe, Recognise, describe and build simple 3-D shapes, including making nets.
- Solve problems involving the conversion of measurements.
- Calculate perimeter, area and volume
- Draw and compare 2D shapes and angles.

### MATHS

**Outcome:** children will develop their problem solving skills with regards to fractions, geometry and measure.

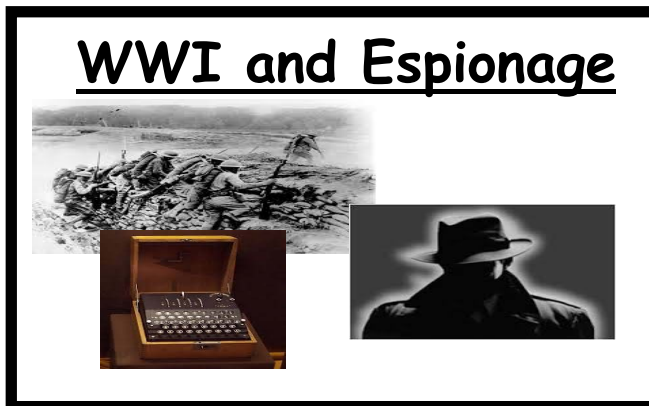
They should be able to:

- Add, subtract, multiply and divide fractions
- Identify the properties 2D and 3D shapes
- Find the area and perimeter of a given shape

### COMPUTING

**Outcome:** children to create and edit an animation linked to World War One/Two.

- Plan a multi-scene animation including characters, scenes, camera angles and special effects
- Use stop-go animation software with an external camera to shoot the animation frames
- Adjust the number of photographs taken and the playback rate to improve the quality of the animation
- Publish their animation and use a movie editing package to edit/ refine and add titles



### ART AND DESIGN/ DT

**Outcome:** children will design and create their own gadgets.

- Use research and develop design criteria to inform the design of innovative, functional, appealing products
- Generate, develop, model and communicate their ideas through discussion, annotated sketches
- Investigate and analyse a range of existing products
- Evaluate their ideas and products against their own design criteria

### PSHE

**Outcome:** children will continue to study relationships. They should be able to:

- Manage overwhelming feelings and discuss how to deal with conflict.

### Music

**Outcome:** children will focus on developing harmonies by listening closely to a range of composers and musicians.

### SCIENCE

**Outcome:** children will learn about light and how it travels through a periscope. They should be able to:

- Recognise that light appears to travel in straight lines
- Use the idea that light travels in straight lines to explain that objects are seen because they give out or reflect light into the eye
- Explain that we see things because light travels from light sources to our eyes or from light sources to objects and then to our eyes
- Use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them.

### HISTORY

**Outcome:** children will learn about the causes of World War One/Two, espionage and significant events within those two wars. They should be able to:

- Place events and objects in chronological order, in comparison to events/periods previously studied.
- Develop a chronologically secure knowledge and understanding of British, local or World history, establishing narratives within and across the periods they study.
- Compare an aspect of life with the same aspect in another period.
- Find out about the past from a range of sources
- Begin to identify primary and secondary sources
- Distinguish between historical fact and fiction
- To use evidence to find out about the past
- Discuss reliability of sources and offer plausible reasons for differences in accounts.
- Select their knowledge of history and communicate in a variety of ways by using every day historical terms.

### RE

**Outcome:** children will study Buddhism. They should be able to:

- Make connections between Buddhism and other religions.
- Understand the key events in Buddhist history

### LANGUAGES

**Outcome:** children will continue their studies in French, building on the skills learnt last term.

### PE

**Outcome:** children will learn about balance and counter balances in gymnastics.