

## Science 1

### Light

Key learning: understanding how light travels; thinking about which materials work best as reflectors; knowing how the eye works; learning about shadows and how they change throughout the day; why objects look different in water; learning how mirrors work.

## Computing

### Creating Media

Key Learning: (vector graphics) drawing tools; creating images; layers and objects; manipulating objects; creating a vector drawing. (3D Modelling) modifying 3D objects; design tasks with given outcome; planning and making own 3D model.

## DT

### Mechanical Systems: Automata Toys

Key Learning: designing an automata toy using cams, followers and axles for movement; follow exploded diagrams; measure and cut components; explore cam profiles and associated movement; fix a housing to conceal mechanism and decorate.

## PSHE

### Key Learning:

Rules for keeping safe; what I need to know about fire safety; emergencies and how to get help; keeping safe out and about, including fire aid; thinking about anti-social and aggressive behaviour, and bullying; where does aggressive behaviour come from; humans rights and responsibilities.

## Art

### Chromatic

Key learning: thinking about how art can be an act of protest; learning that art can be used to raise money for good causes; how can art reduce its environmental impact?; how my art save can the planet; helping others evaluate their art.

# OSPREYS SPRING CURRICULUM



## PE

Fitness Circuits - strength and stamina building exercises; understanding how strength, power and stamina help performance.  
Invasion Games Unit 3/4 rugby - different techniques for carrying, passing and controlling the ball; basic rules of team play; defence skills.  
Net/wall Unit 2 - forehand, backhand and overhead shots; use the volley; using preferred skills with competence and consistency; tactics.  
Swimming - three different strokes on front and back; breathing control; floating and treading water.

## Music

### Whole Class Tuition Recorders - Monsters, Monsters!

Key Learning: technique; articulation; BAG high C, high D, low E notes; learn, play and perform music with a story behind each section (quest, approach, chase, victory).

## French

Key Learning: Money/Euros - recognise coins and notes by image, writing and speech; use numbers up to 100. At the Supermarket - name and recognise food items when spoken and written; learn hundreds; use g, kg and l; useful sentences. Physical Description - understand and say some adjectives; je suis; describe portrait; describe others. Personality - know rule according to gender; Tu es comment and Es-tu?

## Science 2

### Materials

Key Learning: understanding the properties of solids, liquids and gases; describing the properties of materials; understanding which properties are best for thermal insulation; knowing which materials are magnetic; soluble materials and insoluble materials; separating mixed materials; understanding irreversible change.

## RE

### What does it mean if Christians believe God is holy and loving?

Key Learning: Words connected with the idea of God; what the Bible says God is like; a Christian response to a holy and loving God, including Christian ideas about God in churches and cathedrals.

### Why is the Torah so important to Jewish people?

Key Learning: What do Jewish people look like and where do we find Jewish people in the UK; what the Torah is; what the Sefer Torah is; different types of synagogue in the UK; Torah influence on diet; Jewish festivals in the UK.

## Online Safety

### Key Learning:

Developing safer online habits, including the protection of personal information; respecting online privacy boundaries; help if they (or others) feel unsafe online; developing respectful, healthy, empathetic online relationships; managing and healthy, safe responses to hurtful online behaviour.

## Outdoor Learning

Ospreys will be going to outdoor learning in the second half of the spring term.

## Geography

### UK Depth Study

Key Learning: key geographical features of the UK; the sectors of the UK economy; understanding how sustainable UK agriculture is; thinking about the sustainability of energy generation in the UK; understanding the sustainability of water use within the UK; thinking about the sustainability of rare earth element usage; answering how automation affects the economic activity of the UK; thinking about how sustainable waste management is in the UK; discussing and answering the question how sustainable is the economic activity of the United Kingdom?