

## Science

### Light

- Recognise that they need light in order to see things and that dark is the absence of light.
- Notice that light is reflected from surfaces.
- Recognise that light from the sun can be dangerous and that there are ways to protect their eyes
- Recognise that shadows are formed when the light from a light source is blocked by a solid object
- Find patterns in the way that the size of shadows change
- 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.

### Sound

- Identify how sounds are made, associating some of them with something vibrating
- Recognise that vibrations from sounds travel through a medium to the ear
- Find patterns between the pitch of a sound and the features of the object that produced it
- Find patterns between the volume of a sound and the strength of the vibrations that produced it
- Recognise that sounds get fainter as the distance from the sound source increases.

### Computing

Internet Safety  
Use technology safely, respectfully and responsibly; recognise acceptable behaviour; identify a range of ways to report concerns about content and contact.

### PSHE

Internet safety  
Health and Wellbeing  
Healthy Eating

### PE

- Perform dances using a range of movement patterns.
- Swimming

### Music

Improvise and compose music for a range of purposes using the interrelated dimensions of music.

### Art

Study the shape and texture of the trees. Use charcoal to depict. Experiment with different amounts of pressure to get lighter and darker tones with the charcoal. Study the bark of the silver birch trees on the field.  
Experiment using charcoal and rubbers to create the effect of the silver birch tree bark.  
Look at different colour tones and the effect of adding white/black.  
Make a tonal strip with a colour of their choice  
Apply a backwash to create a background.  
Use charcoal to draw trees over the top (inspired by The Lost Happy Endings)

### D&T

#### Musical Instruments

Select from a range of construction materials and components according to their properties.  
Select and use from a range of tools to cut, shape, join and finish  
Generate, develop and communicate ideas through discussion & annotated sketches.

## Light and Sound