


## Year 4 – Autumn 2 To Infinity and Beyond!

| English  | Maths   | Music  |
|--|---|--|
| Make inferences from the text.   | <b>Addition and subtraction</b>   | To performance skills and understanding performance discipline.                        |
| Explain and justify inferences with evidence from the text.                        | Add and subtract numbers with up to 3 digits, using column addition and subtraction.      | <b>Art</b>   |
| Prefix for un, mis and dis.  | Estimate the answer to a calculation.   | To use sewing skills to create a mobile.   |
| Speech bubbles.  | Use inverse operations to check answers.  | <b>PE</b>  |
| Singular and plural possessive apostrophe.   | Solve problems, including missing numbers and more complex addition and subtraction.      | To help organise roles and responsibilities and to guide a small group through a task. |
|  | <b>Multiplication and division</b>  | <b>PSHE</b>  |
|  | Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables | To accept people for who they are.   |
|  |   | <b>French</b>  |
|  |   | Understand the sounds of individual letters.   |
|  |   | <b>Computing</b>   |
|  |   | Show sequence and progression with a clear beginning, middle and end.                  |

## Year 4 – Autumn 2 To Infinity and Beyond!

### Science: Light

#### Main scientific skill taught in this topic.

Making systematic and careful observations and, where appropriate, taking accurate measurements using standard units, using a range of equipment, including thermometers and data loggers.

#### Objectives

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 an opaque object.

Find patterns in the way that the size of shadows change.

#### Our scientific questions are:

Which material will reflect the most light?

How do sunglasses protect our eyes?

What factors affect the size of the shadow?

How do shadows change?

Which materials block out the most light?

### Geography

To understand why energy is important.

To locate different countries where it is exported from.

To understand what is renewable and non-renewable energy.

To understand the benefits and drawbacks of each energy source.

To know the main energy sources in the USA and UK.

To identify the best way to generate energy.

