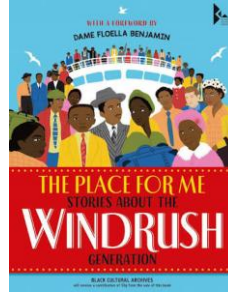
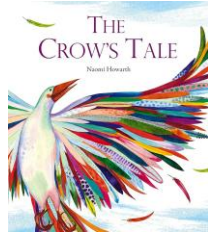
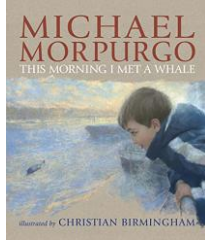




# Y6 Knowledge Organiser – Autumn 1

## What we are reading this half term:



## Geography – River Monsters!

In this geography unit, we will discover how rivers are formed and follow their journey from the source to the mouth. We will explore the different features of rivers, including waterfalls, meanders and floodplains, and investigate how rivers shape the landscape over time.

We will learn about some of the world's most famous rivers and understand why rivers are important for people, wildlife and the environment.

### English

Lots of our reading will link to our exciting geography topic about rivers or our work linked to Black History Month. We will use a range of fiction and non-fiction texts to inspire our writing. During this unit, we will write a third-person narrative retell, a setting description and a diary entry.

### Mathematics

This half term, we will be learning to:

- Read, write, compare and order numbers to 10,000,000.
- Understand the place value of digits in numbers up to 10 million.
- Use the four operations (addition, subtraction, multiplication and division) to solve increasingly complex calculations and multi-step problems.
- Solve reasoning and problem-solving questions involving the four operations.
- Compare, order, simplify and calculate with fractions, including equivalent fractions and fractions of amounts.
- Add, subtract, multiply and divide fractions in a range of contexts.

### Science – Living Things and Their Habitats (Classification)

In Science, we will learn how living things are classified into different groups based on their characteristics. We will use classification keys to identify organisms and explore how scientists group plants, animals and microorganisms.

| Science Vocabulary | Definition                                                                     |
|--------------------|--------------------------------------------------------------------------------|
| classification     | The process of grouping together living things based on their characteristics. |
| organism           | A living thing.                                                                |
| microorganism      | A tiny living thing that can only be seen with a microscope.                   |
| vertebrate         | An animal with a backbone.                                                     |
| invertebrate       | An animal without a backbone.                                                  |

### Geography Vocabulary

### Definition

|            |                                                                    |
|------------|--------------------------------------------------------------------|
| Source     | The place where a river begins.                                    |
| Mouth      | The place where a river flows into the sea, lake or another river. |
| Tributary  | A smaller river or stream that joins a larger river.               |
| Meander    | A winding bend in a river.                                         |
| Floodplain | Flat land beside a river that can flood.                           |
| Erosion    | The wearing away of rocks and soil by water.                       |
| Deposition | When a river drops the material it has been carrying.              |
| Estuary    | The wide tidal mouth of a river where it meets the sea.            |