

# 2024 Term 2 Curriculum in Year 5

## at Highland Reserve State School



### **English**

Students will read a novel with their class. They analyse how the author develops ideas through their portrayal of characters, settings and events and explain this in a written analysis of the text. Students will also explain the historical, social or cultural context of the novel, and how the author represents this context. They will use language features such as complex sentences and topic-specific vocabulary and use paragraphs to organise and link their ideas. Students will also research a topic of personal interest and will prepare a presentation to the class to share their findings.

### **Maths**

Students will use their knowledge of the four operations in order to solve to word problems. They will be ordering and locating decimals on a number line. Students will classify angles, compare and estimate the size of angles, construct and measure angles. They will describe and create reflection and rotational symmetry and create transformations using symmetry through enlarging shapes and describing features of transformed shapes. Students will also explore methods of data representation and construct and interpret tables and graphs.

### **Science**

Students will investigate the properties of light and the formation of shadows. They will investigate reflection angles and how refraction affects our perceptions of an object's location. They will also learn how filters absorb light and affect how we perceive the colour of objects and the relationship between light source distance and shadow height. Students will plan investigations, pose questions, make predictions, represent data and communicate findings about how improved technology has affected peoples' lives.

### **Humanities and Social Sciences**

Students will learn how to distinguish between needs and wants, and to recognise why choices need to be made about how limited resources are used. They will explore how different types of resources are used by societies to satisfy needs and wants. Linked with concepts explored in Design and Technologies, students will collaboratively design a plan that will cater for various needs and wants, using their research to justify their design plans.

### **Design and Technologies**

Linked with concepts explored in HASS, students will investigate competing needs and create a design plan to meet an identified need or opportunity in their local area. Students will explore competing considerations for their design and will consider sustainability and how their design will meet both present and future needs. They will select resources, technologies and techniques, record production processes and present their designs to others.

**Students will also participate in the following specialist lessons:**

#### **Japanese**

with Mrs Lennon

#### **Health and Physical Education**

with Mr Aldridge or  
Mr McCracken

#### **Music**

with Mr Howland or  
Mrs Barker