

SCIENCE

PREP

Science Through Observation

Preps will continue to explore a broad range of science fundamentals with a focus on how we start all scientific processes with an observation. Each week, students will be observing problems with different senses in order to accurately hypothesize and experiment. Going beyond what students can simply see, they will be engaging with experiments through their smell, touch, taste, hearing, and even sense of balance. Through these explorations, they will be learning how these senses function, their relationship to our brain, and how other animals make use of these biological tools to survive.

1/2

Orienteering and Classification

Students will begin the unit by developing their understanding of orientation and classification through exploring their immediate school environment. They will learn how to navigate using the cardinal directions—north, east, south, and west—and apply this knowledge to observe and identify the diverse flora and fauna found around the school. Building on these observations, students will examine how human actions can impact local ecosystems, considering both positive and negative effects on plant life and animal populations.

3/4

Survival Science

Students will be exploring how scientific knowledge can be applied to real-world scenarios in the Australian outback. They will investigate practical concepts such as navigation, water filtration, shelter construction, and the identification of safe and unsafe food sources. This learning will also incorporate an introduction to the ways Indigenous Australians have historically applied scientific understanding of the land to survive and thrive in diverse environments.

5/6

Historical Science

Students will be investigating historical scientific contributions by studying a different influential figure each week. They will explore each individual's life, key discoveries, and their impact on the scientific community. To deepen their understanding, students will engage in hands-on experiments inspired by these figures, allowing them to connect historical discoveries with practical scientific investigation.