

Classifications

Science, Biological Sciences

Year 7

Content Description

Investigate the role of classification in ordering and organising the diversity of life on Earth and use and develop classification tools including dichotomous keys

(AC9S7U01)

VR Learning Activities

Listening and Understanding: Students engage with explanations about the classification of organisms and the purpose and use of dichotomous keys in identifying and organizing the diversity of life on Earth.

Interactive Investigation: Students select groups of organisms to analyse and classify. They use a dichotomous key to determine the identity of each organism, making informed decisions based on observable traits.

Self-Checking and Refinement: Students receive feedback on their selections and have opportunities to self-check and refine their answers throughout the classification process.

Knowledge Testing: Students are presented with a series of questions designed to test their understanding of classification concepts. These questions can be answered through experimentation and the discoveries made during their investigations.

Key Learning Areas

Critical and Creative Thinking: Students analyse observable traits and characteristics to classify organisms, using logical reasoning to navigate dichotomous keys and refine their conclusions.

Scientific Inquiry: Students investigate the diversity of life on Earth through the application of classification tools. They engage in problem-solving and hypothesis testing while organizing organisms into categories.

Digital Literacy: Students use VR tools to interact with virtual organisms, apply dichotomous keys, and access detailed information about classification criteria and processes.

Ecological Understanding: Students deepen their appreciation for biodiversity and the importance of classification in understanding the relationships and roles of organisms within ecosystems.

Numeracy: Students interpret patterns and relationships in classification data, recognizing shared traits and differences that inform the organization of species.

