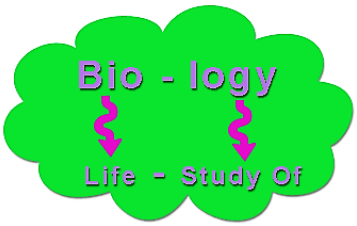
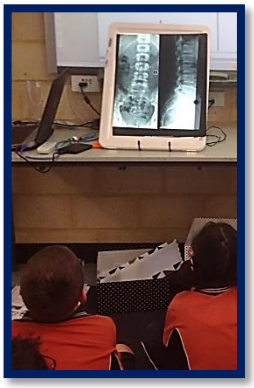
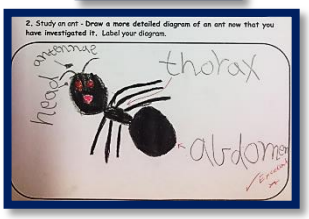
SCIENCE

Science provides an experiential way of answering interesting and important questions about the biological, physical and technological world. Many of the big issues Australian society faces today and into the future are around science and technology, energy, resources and climate change. It is therefore important that students engage with science at a young age and develop their knowledge and understanding of basic science concepts in their primary years.
The primary science curriculum covers four components of science;

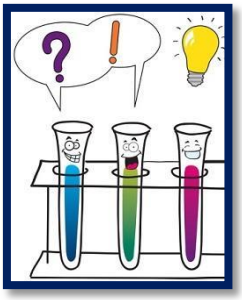
Biological Science

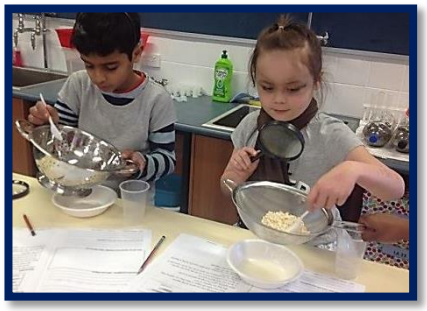




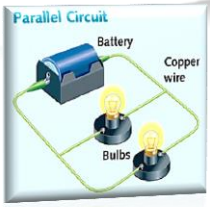


Chemical Science

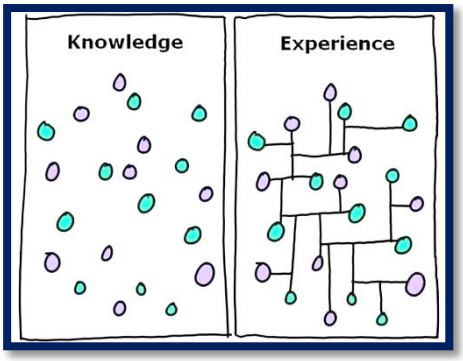




Physical Science



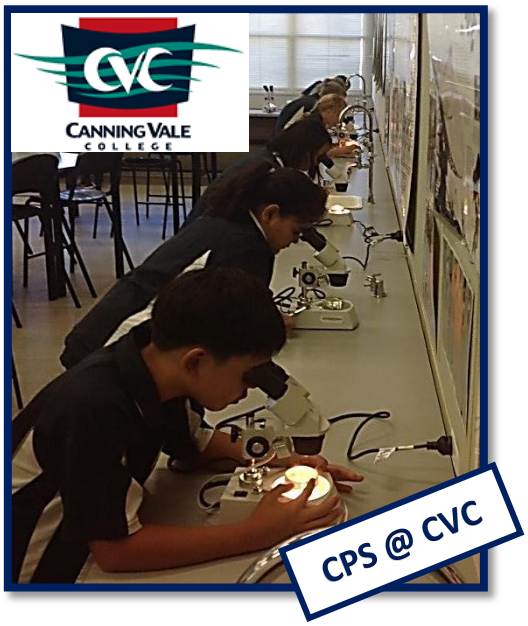
Earth and Space



In Science at Campbell, students build on their knowledge as they progress through the year levels using prior learning and understanding to support and enhance their Science Inquiry Skills. They make connections between theory and investigation, allowing them to refine, extend and strengthen their understanding of how science is used both in their daily lives and in society as a whole.

Information and Communication Technology is regularly used in science instruction to complement and reinforce science concepts. It is also used to show students that science knowledge is developed through collaboration across the disciplines of science and the contributions of people from a range of cultures to solve problems and inform personal and community decisions. Students also begin to realise that science knowledge is contestable and is therefore revised, refined and extended as new evidence arises.

Science Enrichment Program



Campbell offers a Science enrichment program for a number of year 6 students who wish to increase and broaden their knowledge and understanding in Science. Campbell has established a partnership with Canning Vale College which allows students to work in the science laboratories at CVC on a number of occasions throughout the semester. The students are initially taught a Science concept or technique by a Science teacher at CVC, which is then reinforced in the enrichment lessons at Campbell.

Scientists and Mathematicians in Schools, (SMiS)

Data indicates that Science, Technology, Engineering and Maths, (STEM) subjects are essential to foster innovative and critical thinking but student participation in STEM subjects in Australia has declined. To help reinvigorate enthusiasm and interest in these subjects, the Commonwealth Scientific and Industrial Research Organisation (CSIRO) offers the SMiS program, where schools are partnered with a Scientist and/or a Mathematician. Campbell has been partnered in Science and Maths with an Epidemiologist, a scientist who studies the burden of human disease to help control them. Faye Lim, from the Telethon Kids Institute, uses statistics to investigate the burden of chest infections, like influenza and whooping cough, in Western Australian children.

CSIRO: https://www.csiro.au/
Scientists & Mathematicians in schools: http://www.scientistsinschools.edu.au/
Telethon Kids Institute https://www.telethonkids.org.au/

At Campbell we believe that in addition to its practical applications, learning science is a valuable pursuit in its own right. Students can experience the joy of scientific discovery and nurture their natural curiosity about the world around them. In doing this, they develop critical and creative thinking skills and challenge themselves to identify questions and draw evidence-based conclusions using scientific methods. This 'scientific literacy' gives students the capability and skills to make informed decisions about local, national and global issues.