

# ANSTO Big Ideas 2020

## Links to the Australian Curriculum Science Learning Area

The *Science Inquiry Skills* and *Science as a Human Endeavour* strands are described across a two-year band.

The following outcomes are addressed through participation in Big Ideas.

### *Science Inquiry Skills: Communicating*

(Years 7 & 8)

Communicate ideas, findings and evidence based solutions to problems using scientific language, and representations, using digital technologies as appropriate ([AC SIS133/ 148](#))

(Years 9 & 10)

Communicate scientific ideas and information for a particular purpose, including constructing evidence-based arguments and using appropriate scientific language, conventions and representations ([AC SIS174/ 208](#))

### *Science as a Human Endeavour: Nature and development of science*

(Year 7 & 8)

Scientific knowledge has changed peoples' understanding of the world and is refined as new evidence becomes available ([AC SHE119/ 134](#))

Science knowledge can develop through collaboration across the disciplines of science and the contributions of people from a range of cultures ([AC SHE223/ 226](#))

(Year 9 & 10)

Scientific understanding, including models and theories, is contestable and is refined over time through a process of review by the scientific community ([AC SHE157/ 191](#))

Advances in scientific understanding often rely on technological advances and are often linked to scientific discoveries ([AC SHE158/ 192](#))

### *Science as a Human Endeavour: Use and influence of science*

(Year 7 & 8)

People use science understanding and skills in their occupations and these have influenced the development of practices in areas of human activity ([AC SHE121/ 136](#))

(Year 9 & 10)

People use scientific knowledge to evaluate whether they accept claims, explanations or predictions, and advances in science can affect people's lives, including generating new career opportunities ([AC SHE160/ 194](#))

Values and needs of contemporary society can influence the focus of scientific research ([AC SHE228/ 230](#))