**Senior category curriculum alignment**

| **Years 7 & 8 AC v9 Curriculum alignment** |
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| **Science Understanding - Year 7** |
| *There are no specific year 7 Science Understanding points addressed in this competition.* |
| **Science Understanding - Year 8** |
| classify different types of energy as kinetic or potential and investigate energy transfer and transformations in simple systems ([AC9S8U05](https://www.australiancurriculum.edu.au/f-10-curriculum.html/learning-areas/science/year-8/content-description?subject-identifier=SCISCIY8&content-description-code=AC9S8U05&detailed-content-descriptions=0&hide-ccp=0&hide-gc=0&side-by-side=1&strands-start-index=0&view=quick))  Elaborations:   * classifying types of energy as either kinetic energy such as movement, heat and electricity or potential energy such as chemical, elastic and gravitational * identifying where heat energy is produced as a by-product of energy transfer, such as filament light globes, exercise, and battery charging and use * using electrical circuits and components to demonstrate electrical energy transfer and its transformation into heat, light and sound |
| **Science as a human endeavour - Years 7 & 8** |
| **Nature and development of science**  investigate how cultural perspectives and world views influence the development of scientific knowledge ([AC9S7H02](https://www.australiancurriculum.edu.au/f-10-curriculum/learning-areas/science/year-7_year-8/content-description?subject-identifier=SCISCIY7&content-description-code=AC9S7H02&detailed-content-descriptions=0&hide-ccp=0&hide-gc=0&side-by-side=1&strands-start-index=0&view=quick)/[AC9S8H02](https://www.australiancurriculum.edu.au/f-10-curriculum.html/learning-areas/science/year-8/content-description?subject-identifier=SCISCIY8&content-description-code=AC9S8H02&detailed-content-descriptions=0&hide-ccp=0&hide-gc=0&side-by-side=1&strands-start-index=0&view=quick))  **Use and influence of science**  examine how proposed scientific responses to contemporary issues may impact on society and explore ethical, environmental, social and economic considerations ([AC9S7H03](https://www.australiancurriculum.edu.au/f-10-curriculum/learning-areas/science/year-8_year-7/content-description?subject-identifier=SCISCIY7&content-description-code=AC9S7H03&detailed-content-descriptions=0&hide-ccp=0&hide-gc=0&side-by-side=1&strands-start-index=0&view=quick)/[AC9S8H03](https://www.australiancurriculum.edu.au/f-10-curriculum.html/learning-areas/science/year-8/content-description?subject-identifier=SCISCIY8&content-description-code=AC9S8H03&detailed-content-descriptions=0&hide-ccp=0&hide-gc=0&side-by-side=1&strands-start-index=0&view=quick))  explore the role of science communication in informing individual viewpoints and community policies and regulations ([AC9S7H04](https://www.australiancurriculum.edu.au/f-10-curriculum/learning-areas/science/year-8_year-7/content-description?subject-identifier=SCISCIY7&content-description-code=AC9S7H04&detailed-content-descriptions=0&hide-ccp=0&hide-gc=0&side-by-side=1&strands-start-index=0&view=quick)/[AC9S8H04](https://www.australiancurriculum.edu.au/f-10-curriculum.html/learning-areas/science/year-8/content-description?subject-identifier=SCISCIY8&content-description-code=AC9S8H04&detailed-content-descriptions=0&hide-ccp=0&hide-gc=0&side-by-side=1&strands-start-index=0&view=quick)) |
| **Science inquiry - Years 7 & 8** |
| **Communicating**  write and create texts to communicate ideas, findings and arguments for specific purposes and audiences, including selection of appropriate language and text features, using digital tools as appropriate ([AC9S7I08](https://www.australiancurriculum.edu.au/f-10-curriculum/learning-areas/science/year-7_year-9/content-description?subject-identifier=SCISCIY7&content-description-code=AC9S7I08&detailed-content-descriptions=0&hide-ccp=0&hide-gc=0&side-by-side=1&strands-start-index=0&view=quick)/[AC9S8I08](https://www.australiancurriculum.edu.au/f-10-curriculum/learning-areas/science/year-7_year-8/content-description?subject-identifier=SCISCIY8&content-description-code=AC9S8I08&detailed-content-descriptions=0&hide-ccp=0&hide-gc=0&side-by-side=1&strands-start-index=0&view=quick)) |
| **General Capabilities and their related Year 7 AC curriculum points** |
| [**Critical and Creative Thinking**](https://www.australiancurriculum.edu.au/f-10-curriculum/general-capabilities/critical-and-creative-thinking?element=0&sub-element=CCTINQA)  Inquiring  Identify, process and evaluate information ([AC9S7H03](https://www.australiancurriculum.edu.au/f-10-curriculum/learning-areas/science/year-8_year-7/content-description?subject-identifier=SCISCIY7&content-description-code=AC9S7H03&detailed-content-descriptions=0&hide-ccp=0&hide-gc=0&side-by-side=1&strands-start-index=0&view=quick), [AC9S7H04](https://www.australiancurriculum.edu.au/f-10-curriculum/learning-areas/science/year-8_year-7/content-description?subject-identifier=SCISCIY7&content-description-code=AC9S7H04&detailed-content-descriptions=0&hide-ccp=0&hide-gc=0&side-by-side=1&strands-start-index=0&view=quick))  [**Ethical Understanding**](https://www.australiancurriculum.edu.au/f-10-curriculum/general-capabilities/ethical-understanding?element=0&sub-element=EUUNDA)  Responding to ethical issues  Explore ethical issues ([AC9S7H03](https://www.australiancurriculum.edu.au/f-10-curriculum/learning-areas/science/year-8_year-7/content-description?subject-identifier=SCISCIY7&content-description-code=AC9S7H03&detailed-content-descriptions=0&hide-ccp=0&hide-gc=0&side-by-side=1&strands-start-index=0&view=quick))  Making and reflecting on ethical decisions ([AC9S7H03](https://www.australiancurriculum.edu.au/f-10-curriculum/learning-areas/science/year-8_year-7/content-description?subject-identifier=SCISCIY7&content-description-code=AC9S7H03&detailed-content-descriptions=0&hide-ccp=0&hide-gc=0&side-by-side=1&strands-start-index=0&view=quick))  [**Personal and Social capability**](https://www.australiancurriculum.edu.au/f-10-curriculum/general-capabilities/personal-and-social-capability?element=0&sub-element=PSCSEAA)  Social awareness  Community awareness ([AC9S7H04](https://www.australiancurriculum.edu.au/f-10-curriculum/learning-areas/science/year-8_year-7/content-description?subject-identifier=SCISCIY7&content-description-code=AC9S7H04&detailed-content-descriptions=0&hide-ccp=0&hide-gc=0&side-by-side=1&strands-start-index=0&view=quick))  Social management  Communication ([AC9S7H04](https://www.australiancurriculum.edu.au/f-10-curriculum/learning-areas/science/year-8_year-7/content-description?subject-identifier=SCISCIY7&content-description-code=AC9S7H04&detailed-content-descriptions=0&hide-ccp=0&hide-gc=0&side-by-side=1&strands-start-index=0&view=quick))  [**Digital Literacy**](https://www.australiancurriculum.edu.au/f-10-curriculum/general-capabilities/digital-literacy?element=0&sub-element=DLDSWA)  Creating and exchanging  Create, communicate and collaborate ([AC9S7I08](https://www.australiancurriculum.edu.au/f-10-curriculum/learning-areas/science/year-7_year-9/content-description?subject-identifier=SCISCIY7&content-description-code=AC9S7I08&detailed-content-descriptions=0&hide-ccp=0&hide-gc=0&side-by-side=1&strands-start-index=0&view=quick))  [**Literacy**](https://www.australiancurriculum.edu.au/f-10-curriculum/general-capabilities/literacy?element=0&sub-element=LSLiS)  Writing  Creating texts ([AC9S7I08](https://www.australiancurriculum.edu.au/f-10-curriculum/learning-areas/science/year-7_year-9/content-description?subject-identifier=SCISCIY7&content-description-code=AC9S7I08&detailed-content-descriptions=0&hide-ccp=0&hide-gc=0&side-by-side=1&strands-start-index=0&view=quick))  [**Intercultural Understanding**](https://www.australiancurriculum.edu.au/f-10-curriculum/general-capabilities/intercultural-understanding?element=0&sub-element=IURCDA)  Reflecting on culture and cultural diversity  Examine cultural perspectives and world views ([AC9S8H02](https://www.australiancurriculum.edu.au/f-10-curriculum.html/learning-areas/science/year-8/content-description?subject-identifier=SCISCIY8&content-description-code=AC9S8H02&detailed-content-descriptions=0&hide-ccp=0&hide-gc=0&side-by-side=1&strands-start-index=0&view=quick)) |
| **General Capabilities and their related Year 8 AC curriculum points** |
| [**Critical and Creative Thinking**](https://www.australiancurriculum.edu.au/f-10-curriculum/general-capabilities/critical-and-creative-thinking?element=0&sub-element=CCTINQA)  Inquiring  Identify, process and evaluate information ([AC9S8U05](https://www.australiancurriculum.edu.au/f-10-curriculum.html/learning-areas/science/year-8/content-description?subject-identifier=SCISCIY8&content-description-code=AC9S8U05&detailed-content-descriptions=0&hide-ccp=0&hide-gc=0&side-by-side=1&strands-start-index=0&view=quick), [AC9S8H03](https://www.australiancurriculum.edu.au/f-10-curriculum.html/learning-areas/science/year-8/content-description?subject-identifier=SCISCIY8&content-description-code=AC9S8H03&detailed-content-descriptions=0&hide-ccp=0&hide-gc=0&side-by-side=1&strands-start-index=0&view=quick), [AC9S8H04](https://www.australiancurriculum.edu.au/f-10-curriculum.html/learning-areas/science/year-8/content-description?subject-identifier=SCISCIY8&content-description-code=AC9S8H04&detailed-content-descriptions=0&hide-ccp=0&hide-gc=0&side-by-side=1&strands-start-index=0&view=quick))  Generating  Create possibilities ([AC9S8U05](https://www.australiancurriculum.edu.au/f-10-curriculum.html/learning-areas/science/year-8/content-description?subject-identifier=SCISCIY8&content-description-code=AC9S8U05&detailed-content-descriptions=0&hide-ccp=0&hide-gc=0&side-by-side=1&strands-start-index=0&view=quick))  [**Ethical Understanding**](https://www.australiancurriculum.edu.au/f-10-curriculum/general-capabilities/ethical-understanding?element=0&sub-element=EUUNDA)  Responding to ethical issues  Explore ethical issues ([AC9S8H03](https://www.australiancurriculum.edu.au/f-10-curriculum.html/learning-areas/science/year-8/content-description?subject-identifier=SCISCIY8&content-description-code=AC9S8H03&detailed-content-descriptions=0&hide-ccp=0&hide-gc=0&side-by-side=1&strands-start-index=0&view=quick))  Making and reflecting on ethical decisions ([AC9S8H03](https://www.australiancurriculum.edu.au/f-10-curriculum.html/learning-areas/science/year-8/content-description?subject-identifier=SCISCIY8&content-description-code=AC9S8H03&detailed-content-descriptions=0&hide-ccp=0&hide-gc=0&side-by-side=1&strands-start-index=0&view=quick))  [**Personal and Social capability**](https://www.australiancurriculum.edu.au/f-10-curriculum/general-capabilities/personal-and-social-capability?element=0&sub-element=PSCSEAA)  Social awareness  Community awareness ([AC9S8H04](https://www.australiancurriculum.edu.au/f-10-curriculum.html/learning-areas/science/year-8/content-description?subject-identifier=SCISCIY8&content-description-code=AC9S8H04&detailed-content-descriptions=0&hide-ccp=0&hide-gc=0&side-by-side=1&strands-start-index=0&view=quick))  Social management  Communication ([AC9S8H04](https://www.australiancurriculum.edu.au/f-10-curriculum.html/learning-areas/science/year-8/content-description?subject-identifier=SCISCIY8&content-description-code=AC9S8H04&detailed-content-descriptions=0&hide-ccp=0&hide-gc=0&side-by-side=1&strands-start-index=0&view=quick))  [**Digital Literacy**](https://www.australiancurriculum.edu.au/f-10-curriculum/general-capabilities/digital-literacy?element=0&sub-element=DLDSWA)  Creating and exchanging  Create, communicate and collaborate ([AC9S8I08](https://www.australiancurriculum.edu.au/f-10-curriculum.html/learning-areas/science/year-8/content-description?subject-identifier=SCISCIY8&content-description-code=AC9S8H04&detailed-content-descriptions=0&hide-ccp=0&hide-gc=0&side-by-side=1&strands-start-index=0&view=quick))  [**Literacy**](http://literacy)  Writing  Creating texts ([AC9S8I08](https://www.australiancurriculum.edu.au/f-10-curriculum.html/learning-areas/science/year-8/content-description?subject-identifier=SCISCIY8&content-description-code=AC9S8H04&detailed-content-descriptions=0&hide-ccp=0&hide-gc=0&side-by-side=1&strands-start-index=0&view=quick)) |
| **Cross Curriculum Priorities** |
| [**Sustainability**](https://www.australiancurriculum.edu.au/f-10-curriculum/cross-curriculum-priorities/sustainability?organising-idea=SS%2CSW%2CSD)  Systems  All life forms, including human life, are connected through Earth’s systems (geosphere, biosphere, hydrosphere and atmosphere) on which they depend for their wellbeing and survival. (SS1)  Sustainable patterns of living require the responsible use of resources, maintenance of clean air, water and soils, and preservation or restoration of healthy environments. (SS2)  World views  World views are formed by experiences at personal, local, national and global levels, and are linked to individual, community, business and political actions for sustainability. (SW2)  Design  Sustainably designed products, environments and services aim to minimise the impact on or restore the quality and diversity of environmental, social and economic systems. (SD1)  Creative and innovative design is integral to the identification of new ways of sustainable living. (SD2)  Sustainable design requires an awareness of place, past practices, research and technological developments, and balanced judgements based on projected environmental, social and economic impacts. (SD3)  Futures  Sustainable futures are achieved through informed individual, community, business and political action that values local, national and global equity and fairness across generations into the future. (SF1)  Sustainable futures require individuals to seek information, identify solutions, reflect on and evaluate past actions, and collaborate with and influence others as they work towards a desired change. (SF2) |

| **Years 9 & 10 AC v9 Curriculum alignment** |
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| **Science Understanding - Year 9** |
| use wave and particle models to describe energy transfer through different mediums and examine the usefulness of each model for explaining phenomena ([AC9S9U04](https://www.australiancurriculum.edu.au/f-10-curriculum/learning-areas/science/year-7_year-8_year-9_year-10/content-description?subject-identifier=SCISCIY9&content-description-code=AC9S9U04&detailed-content-descriptions=0&hide-ccp=0&hide-gc=0&side-by-side=1&strands-start-index=0&subjects-start-index=SCISCIY7%2CSCISCIY8%2CSCISCIY9&view=quick))  apply the law of conservation of energy to analyse system efficiency in terms of energy inputs, outputs, transfers and transformations ([AC9S9U05](https://www.australiancurriculum.edu.au/f-10-curriculum/learning-areas/science/year-9_year-10/content-description?subject-identifier=SCISCIY9&content-description-code=AC9S9U05&detailed-content-descriptions=0&hide-ccp=0&hide-gc=0&side-by-side=1&strands-start-index=0&view=quick))  Elaborations:   * explaining that the law of conservation of energy explains that total energy is maintained in energy transfer and transformation in a system * explaining efficiency and recognising that in energy transfer and transformation a variety of processes can occur, so that the amount of usable energy is reduced and the system is not 100% efficient * comparing the efficiency of electricity generation from coal and other sources such as nuclear, hydroelectricity, gas, solar and wind * examining the meaning of energy star ratings given to appliances such as refrigerators and washing machines and criteria used to determine these ratings |
| **Science Understanding - Year 10** |
| use models of energy flow between the geosphere, biosphere, hydrosphere and atmosphere to explain patterns of global climate change ([AC9S10U04](https://www.australiancurriculum.edu.au/f-10-curriculum.html/learning-areas/science/year-10/content-description?subject-identifier=SCISCIY10&content-description-code=AC9S10U04&detailed-content-descriptions=0&hide-ccp=0&hide-gc=0&side-by-side=1&strands-start-index=0&view=quick)) |
| **Science as a human endeavour - Years 9 & 10** |
| **Nature and development of science**  investigate how advances in technologies enable advances in science, and how science has contributed to developments in technologies and engineering ([AC9S9H02](https://www.australiancurriculum.edu.au/f-10-curriculum/learning-areas/science/year-9_year-10/content-description?subject-identifier=SCISCIY9&content-description-code=AC9S9H02&detailed-content-descriptions=0&hide-ccp=0&hide-gc=0&side-by-side=1&strands-start-index=0&view=quick)/[AC9S10H02](https://www.australiancurriculum.edu.au/f-10-curriculum/learning-areas/science/year-9_year-10/content-description?subject-identifier=SCISCIY10&content-description-code=AC9S10H02&detailed-content-descriptions=0&hide-ccp=0&hide-gc=0&side-by-side=1&strands-start-index=0&subjects-start-index=SCISCIY9%2CSCISCIY10&view=quick))  **Use and influence of science**  analyse the key factors that contribute to science knowledge and practices being adopted more broadly by society ([AC9S9H03](https://www.australiancurriculum.edu.au/f-10-curriculum/learning-areas/science/year-9_year-10/content-description?subject-identifier=SCISCIY9&content-description-code=AC9S9H03&detailed-content-descriptions=0&hide-ccp=0&hide-gc=0&side-by-side=1&strands-start-index=0&view=quick)/[AC9S10H03](https://www.australiancurriculum.edu.au/f-10-curriculum.html/learning-areas/science/year-10/content-description?subject-identifier=SCISCIY10&content-description-code=AC9S10H03&detailed-content-descriptions=0&hide-ccp=0&hide-gc=0&side-by-side=1&strands-start-index=0&view=quick))  examine how the values and needs of society influence the focus of scientific research ([AC9S9H04](https://www.australiancurriculum.edu.au/f-10-curriculum/learning-areas/geography-7-10_science/year-9/content-description?subject-identifier=SCISCIY9&content-description-code=AC9S9H04&load-extra-subject=SCISCIY9&detailed-content-descriptions=0&hide-ccp=0&hide-gc=0&achievement-standard=b848271b-c608-41be-9fbe-ba2b49b98313&side-by-side=0&strands-start-index=0&subjects-start-index=HASGEOY9%2CSCISCIY9&view=quick)/[AC9S10H04](https://www.australiancurriculum.edu.au/f-10-curriculum/learning-areas/science/year-9_year-10_year-8/content-description?subject-identifier=SCISCIY10&content-description-code=AC9S10H04&detailed-content-descriptions=0&hide-ccp=0&hide-gc=0&side-by-side=1&strands-start-index=0&view=quick)) |
| **Science inquiry - Years 9 & 10** |
| **Evaluating**  construct arguments based on analysis of a variety of evidence to support conclusions or evaluate claims, and consider any ethical issues and cultural protocols associated with accessing, using or citing secondary data or information ([AC9S9I07](https://www.australiancurriculum.edu.au/f-10-curriculum.html/learning-areas/science/year-9/content-description?subject-identifier=SCISCIY9&content-description-code=AC9S9I07&detailed-content-descriptions=0&hide-ccp=0&hide-gc=0&side-by-side=1&strands-start-index=0&view=quick)/[AC9S10I07](https://www.australiancurriculum.edu.au/f-10-curriculum/learning-areas/mathematics/year-7_year-8_year-9/content-description?subject-identifier=SCISCIY10&content-description-code=AC9S10I07&detailed-content-descriptions=0&hide-ccp=0&hide-gc=0&side-by-side=1&strands-start-index=0&view=quick))  **Communicating**  write and create texts to communicate ideas, findings and arguments effectively for identified purposes and audiences, including selection of appropriate content, language and text features, using digital tools as appropriate ([AC9S9I08](https://www.australiancurriculum.edu.au/f-10-curriculum.html/learning-areas/science/year-9/content-description?subject-identifier=SCISCIY9&content-description-code=AC9S9I08&detailed-content-descriptions=0&hide-ccp=0&hide-gc=0&side-by-side=1&strands-start-index=0&view=quick)/[AC9S10I08](https://www.australiancurriculum.edu.au/f-10-curriculum/learning-areas/science/foundation-year_year-1_year-2_year-3_year-4_year-5_year-6_year-7_year-8_year-9_year-10/content-description?subject-identifier=SCISCIY10&content-description-code=AC9S10I08&detailed-content-descriptions=0&hide-ccp=0&hide-gc=0&side-by-side=1&strands-start-index=0&view=quick)) |
| **General Capabilities and their related Year 9 AC curriculum points** |
| [**Critical and Creative Thinking**](https://www.australiancurriculum.edu.au/f-10-curriculum/general-capabilities/critical-and-creative-thinking?element=0&sub-element=CCTINQA)  Analysing  Interpret concepts and problems ([AC9S9U04](https://www.australiancurriculum.edu.au/f-10-curriculum/learning-areas/science/year-7_year-8_year-9_year-10/content-description?subject-identifier=SCISCIY9&content-description-code=AC9S9U04&detailed-content-descriptions=0&hide-ccp=0&hide-gc=0&side-by-side=1&strands-start-index=0&subjects-start-index=SCISCIY7%2CSCISCIY8%2CSCISCIY9&view=quick), [AC9S9U05](https://www.australiancurriculum.edu.au/f-10-curriculum/learning-areas/science/year-9_year-10/content-description?subject-identifier=SCISCIY9&content-description-code=AC9S9U05&detailed-content-descriptions=0&hide-ccp=0&hide-gc=0&side-by-side=1&strands-start-index=0&view=quick), [AC9S9H02](https://www.australiancurriculum.edu.au/f-10-curriculum/learning-areas/science/year-9_year-10/content-description?subject-identifier=SCISCIY9&content-description-code=AC9S9H02&detailed-content-descriptions=0&hide-ccp=0&hide-gc=0&side-by-side=1&strands-start-index=0&view=quick))  Draw conclusions and provide reasons ([AC9S9I07](https://www.australiancurriculum.edu.au/f-10-curriculum.html/learning-areas/science/year-9/content-description?subject-identifier=SCISCIY9&content-description-code=AC9S9I07&detailed-content-descriptions=0&hide-ccp=0&hide-gc=0&side-by-side=1&strands-start-index=0&view=quick))  Evaluate actions and outcomes ([AC9S9I07](https://www.australiancurriculum.edu.au/f-10-curriculum.html/learning-areas/science/year-9/content-description?subject-identifier=SCISCIY9&content-description-code=AC9S9I07&detailed-content-descriptions=0&hide-ccp=0&hide-gc=0&side-by-side=1&strands-start-index=0&view=quick))  Inquiring  Identify, process and evaluate information ([AC9S9U04](https://www.australiancurriculum.edu.au/f-10-curriculum/learning-areas/science/year-7_year-8_year-9_year-10/content-description?subject-identifier=SCISCIY9&content-description-code=AC9S9U04&detailed-content-descriptions=0&hide-ccp=0&hide-gc=0&side-by-side=1&strands-start-index=0&subjects-start-index=SCISCIY7%2CSCISCIY8%2CSCISCIY9&view=quick), [AC9S9U05](https://www.australiancurriculum.edu.au/f-10-curriculum/learning-areas/science/year-9_year-10/content-description?subject-identifier=SCISCIY9&content-description-code=AC9S9U05&detailed-content-descriptions=0&hide-ccp=0&hide-gc=0&side-by-side=1&strands-start-index=0&view=quick), [AC9S9H02](https://www.australiancurriculum.edu.au/f-10-curriculum/learning-areas/science/year-9_year-10/content-description?subject-identifier=SCISCIY9&content-description-code=AC9S9H02&detailed-content-descriptions=0&hide-ccp=0&hide-gc=0&side-by-side=1&strands-start-index=0&view=quick))  [**Ethical Understanding**](https://www.australiancurriculum.edu.au/f-10-curriculum/general-capabilities/ethical-understanding?element=0&sub-element=EUUNDA)  Responding to ethical issues  Making and reflecting on ethical decisions ([AC9S9H03](https://www.australiancurriculum.edu.au/f-10-curriculum/learning-areas/science/year-9_year-10/content-description?subject-identifier=SCISCIY9&content-description-code=AC9S9H03&detailed-content-descriptions=0&hide-ccp=0&hide-gc=0&side-by-side=1&strands-start-index=0&view=quick), [AC9S9H04](https://www.australiancurriculum.edu.au/f-10-curriculum/learning-areas/geography-7-10_science/year-9/content-description?subject-identifier=SCISCIY9&content-description-code=AC9S9H04&load-extra-subject=SCISCIY9&detailed-content-descriptions=0&hide-ccp=0&hide-gc=0&achievement-standard=b848271b-c608-41be-9fbe-ba2b49b98313&side-by-side=0&strands-start-index=0&subjects-start-index=HASGEOY9%2CSCISCIY9&view=quick))  Understanding ethical concepts and perspectives  Explore ethical concepts ([AC9S9H03](https://www.australiancurriculum.edu.au/f-10-curriculum/learning-areas/science/year-9_year-10/content-description?subject-identifier=SCISCIY9&content-description-code=AC9S9H03&detailed-content-descriptions=0&hide-ccp=0&hide-gc=0&side-by-side=1&strands-start-index=0&view=quick), [AC9S9H04](https://www.australiancurriculum.edu.au/f-10-curriculum/learning-areas/geography-7-10_science/year-9/content-description?subject-identifier=SCISCIY9&content-description-code=AC9S9H04&load-extra-subject=SCISCIY9&detailed-content-descriptions=0&hide-ccp=0&hide-gc=0&achievement-standard=b848271b-c608-41be-9fbe-ba2b49b98313&side-by-side=0&strands-start-index=0&subjects-start-index=HASGEOY9%2CSCISCIY9&view=quick))  [**Personal and Social capability**](https://www.australiancurriculum.edu.au/f-10-curriculum/general-capabilities/personal-and-social-capability?element=0&sub-element=PSCSEAA)  Social management  Leadership ([AC9S9H03](https://www.australiancurriculum.edu.au/f-10-curriculum/learning-areas/science/year-9_year-10/content-description?subject-identifier=SCISCIY9&content-description-code=AC9S9H03&detailed-content-descriptions=0&hide-ccp=0&hide-gc=0&side-by-side=1&strands-start-index=0&view=quick), [AC9S9H04](https://www.australiancurriculum.edu.au/f-10-curriculum/learning-areas/geography-7-10_science/year-9/content-description?subject-identifier=SCISCIY9&content-description-code=AC9S9H04&load-extra-subject=SCISCIY9&detailed-content-descriptions=0&hide-ccp=0&hide-gc=0&achievement-standard=b848271b-c608-41be-9fbe-ba2b49b98313&side-by-side=0&strands-start-index=0&subjects-start-index=HASGEOY9%2CSCISCIY9&view=quick))  Communication ([AC9S9I08](https://www.australiancurriculum.edu.au/f-10-curriculum.html/learning-areas/science/year-9/content-description?subject-identifier=SCISCIY9&content-description-code=AC9S9I08&detailed-content-descriptions=0&hide-ccp=0&hide-gc=0&side-by-side=1&strands-start-index=0&view=quick))  [**Digital Literacy**](https://www.australiancurriculum.edu.au/f-10-curriculum/general-capabilities/digital-literacy?element=0&sub-element=DLDSWA)  Creating and exchanging  Create, communicate and collaborate ([AC9S9I08](https://www.australiancurriculum.edu.au/f-10-curriculum.html/learning-areas/science/year-9/content-description?subject-identifier=SCISCIY9&content-description-code=AC9S9I08&detailed-content-descriptions=0&hide-ccp=0&hide-gc=0&side-by-side=1&strands-start-index=0&view=quick)) |
| **General Capabilities and their related Year 10 AC curriculum points** |
| [**Critical and Creative Thinking**](https://www.australiancurriculum.edu.au/f-10-curriculum/general-capabilities/critical-and-creative-thinking?element=0&sub-element=CCTINQA)  Analysing  Interpret concepts and problems ([AC9S10U04](https://www.australiancurriculum.edu.au/f-10-curriculum.html/learning-areas/science/year-10/content-description?subject-identifier=SCISCIY10&content-description-code=AC9S10U04&detailed-content-descriptions=0&hide-ccp=0&hide-gc=0&side-by-side=1&strands-start-index=0&view=quick), [AC9S10H02](https://www.australiancurriculum.edu.au/f-10-curriculum/learning-areas/science/year-9_year-10/content-description?subject-identifier=SCISCIY10&content-description-code=AC9S10H02&detailed-content-descriptions=0&hide-ccp=0&hide-gc=0&side-by-side=1&strands-start-index=0&subjects-start-index=SCISCIY9%2CSCISCIY10&view=quick))  Draw conclusions and provide reasons ([AC9S10I07](https://www.australiancurriculum.edu.au/f-10-curriculum/learning-areas/mathematics/year-7_year-8_year-9/content-description?subject-identifier=SCISCIY10&content-description-code=AC9S10I07&detailed-content-descriptions=0&hide-ccp=0&hide-gc=0&side-by-side=1&strands-start-index=0&view=quick))  Evaluate actions and outcomes ([AC9S10I07](https://www.australiancurriculum.edu.au/f-10-curriculum/learning-areas/mathematics/year-7_year-8_year-9/content-description?subject-identifier=SCISCIY10&content-description-code=AC9S10I07&detailed-content-descriptions=0&hide-ccp=0&hide-gc=0&side-by-side=1&strands-start-index=0&view=quick))  Inquiring  Identify, process and evaluate information ([AC9S10U04](https://www.australiancurriculum.edu.au/f-10-curriculum.html/learning-areas/science/year-10/content-description?subject-identifier=SCISCIY10&content-description-code=AC9S10U04&detailed-content-descriptions=0&hide-ccp=0&hide-gc=0&side-by-side=1&strands-start-index=0&view=quick), [AC9S10H02](https://www.australiancurriculum.edu.au/f-10-curriculum/learning-areas/science/year-9_year-10/content-description?subject-identifier=SCISCIY10&content-description-code=AC9S10H02&detailed-content-descriptions=0&hide-ccp=0&hide-gc=0&side-by-side=1&strands-start-index=0&subjects-start-index=SCISCIY9%2CSCISCIY10&view=quick))  Generating  Create possibilities ([AC9S10U04](https://www.australiancurriculum.edu.au/f-10-curriculum.html/learning-areas/science/year-10/content-description?subject-identifier=SCISCIY10&content-description-code=AC9S10U04&detailed-content-descriptions=0&hide-ccp=0&hide-gc=0&side-by-side=1&strands-start-index=0&view=quick))  [**Ethical Understanding**](https://www.australiancurriculum.edu.au/f-10-curriculum/general-capabilities/ethical-understanding?element=0&sub-element=EUUNDA)  Responding to ethical issues  Making and reflecting on ethical decisions ([AC9S10H03](https://www.australiancurriculum.edu.au/f-10-curriculum.html/learning-areas/science/year-10/content-description?subject-identifier=SCISCIY10&content-description-code=AC9S10H03&detailed-content-descriptions=0&hide-ccp=0&hide-gc=0&side-by-side=1&strands-start-index=0&view=quick), [AC9S10H04](https://www.australiancurriculum.edu.au/f-10-curriculum/learning-areas/science/year-9_year-10_year-8/content-description?subject-identifier=SCISCIY10&content-description-code=AC9S10H04&detailed-content-descriptions=0&hide-ccp=0&hide-gc=0&side-by-side=1&strands-start-index=0&view=quick))  Understanding ethical concepts and perspectives  Explore ethical concepts ([AC9S10H03](https://www.australiancurriculum.edu.au/f-10-curriculum.html/learning-areas/science/year-10/content-description?subject-identifier=SCISCIY10&content-description-code=AC9S10H03&detailed-content-descriptions=0&hide-ccp=0&hide-gc=0&side-by-side=1&strands-start-index=0&view=quick), [AC9S10H04](https://www.australiancurriculum.edu.au/f-10-curriculum/learning-areas/science/year-9_year-10_year-8/content-description?subject-identifier=SCISCIY10&content-description-code=AC9S10H04&detailed-content-descriptions=0&hide-ccp=0&hide-gc=0&side-by-side=1&strands-start-index=0&view=quick))  [**Personal and Social capability**](https://www.australiancurriculum.edu.au/f-10-curriculum/general-capabilities/personal-and-social-capability?element=0&sub-element=PSCSEAA)  Social management  Leadership ([AC9S10H03](https://www.australiancurriculum.edu.au/f-10-curriculum.html/learning-areas/science/year-10/content-description?subject-identifier=SCISCIY10&content-description-code=AC9S10H03&detailed-content-descriptions=0&hide-ccp=0&hide-gc=0&side-by-side=1&strands-start-index=0&view=quick), [AC9S10H04](https://www.australiancurriculum.edu.au/f-10-curriculum/learning-areas/science/year-9_year-10_year-8/content-description?subject-identifier=SCISCIY10&content-description-code=AC9S10H04&detailed-content-descriptions=0&hide-ccp=0&hide-gc=0&side-by-side=1&strands-start-index=0&view=quick))  Communication ([AC9S10I08](https://www.australiancurriculum.edu.au/f-10-curriculum/learning-areas/science/foundation-year_year-1_year-2_year-3_year-4_year-5_year-6_year-7_year-8_year-9_year-10/content-description?subject-identifier=SCISCIY10&content-description-code=AC9S10I08&detailed-content-descriptions=0&hide-ccp=0&hide-gc=0&side-by-side=1&strands-start-index=0&view=quick))  [**Digital Literacy**](https://www.australiancurriculum.edu.au/f-10-curriculum/general-capabilities/digital-literacy?element=0&sub-element=DLDSWA)  Creating and exchanging  Create, communicate and collaborate ([AC9S10I08](https://www.australiancurriculum.edu.au/f-10-curriculum/learning-areas/science/foundation-year_year-1_year-2_year-3_year-4_year-5_year-6_year-7_year-8_year-9_year-10/content-description?subject-identifier=SCISCIY10&content-description-code=AC9S10I08&detailed-content-descriptions=0&hide-ccp=0&hide-gc=0&side-by-side=1&strands-start-index=0&view=quick)) |
| **Cross Curriculum Priorities** |
| [**Sustainability**](https://www.australiancurriculum.edu.au/f-10-curriculum/cross-curriculum-priorities/sustainability?organising-idea=SS%2CSW%2CSD)  Systems  All life forms, including human life, are connected through Earth’s systems (geosphere, biosphere, hydrosphere and atmosphere) on which they depend for their wellbeing and survival. (SS1)  Sustainable patterns of living require the responsible use of resources, maintenance of clean air, water and soils, and preservation or restoration of healthy environments. (SS2)  World views  World views are formed by experiences at personal, local, national and global levels, and are linked to individual, community, business and political actions for sustainability. (SW2)  Design  Sustainably designed products, environments and services aim to minimise the impact on or restore the quality and diversity of environmental, social and economic systems. (SD1)  Creative and innovative design is integral to the identification of new ways of sustainable living. (SD2)  Sustainable design requires an awareness of place, past practices, research and technological developments, and balanced judgements based on projected environmental, social and economic impacts. (SD3)  Futures  Sustainable futures are achieved through informed individual, community, business and political action that values local, national and global equity and fairness across generations into the future. (SF1)  Sustainable futures require individuals to seek information, identify solutions, reflect on and evaluate past actions, and collaborate with and influence others as they work towards a desired change. (SF2) |