

Science

Science is a Board Developed Course

Course details are included on RoSA

Course details are included on School Report

Science develops students' skills, knowledge and understanding in explaining and making sense of the biological, physical and technological world. Through applying the processes of Working Scientifically students develop understanding of the importance of scientific evidence in enabling them as individuals and as part of the community to make informed, responsible decisions about the use and influence of science and technology on their lives.

Students develop knowledge of scientific concepts and ideas about the living and non-living world. They gain increased understanding about the unique nature and development of scientific knowledge, the use of science and its influence on society, and the relationship between science and technology.

Students actively engage individually and in teams in scientific inquiry. They use the processes of Working Scientifically to plan and conduct investigations. By identifying questions and making predictions based on scientific knowledge and drawing evidence-based conclusions from their investigations, students develop their understanding of scientific ideas and concepts, and their skills in critical thinking and problem-solving. They gain experience in making evidence-based decisions and in communicating their understanding and viewpoints.

Subject Assessment: Students are assessed within the course on a range of content and skill outcomes covering the key syllabus components of Knowing and Understanding, Questioning and Predicting, Planning and Conducting Investigations, Processing and Analysing data and Information, Problem-solving and Communicating.

Year 9

Assessment will be based on the student's performance in both classroom and common assessment tasks. Common assessment tasks include essays, projects and exams. Working scientifically skills are also assessed throughout the course. A progressive picture of a student's ability will also be developed through a range of class-based assessment tasks.

Year 10

Assessment will be based on the student's performance in both classroom and common assessment tasks. Common RoSA assessment tasks include an individual Student Research Project (SRP) in Term 2 and Genetics Essay. Students will also take part in VALID, a state-wide online assessment of Stage 5 Science outcomes, as a part of their RoSA assessment tasks. A progressive picture of a student's ability will also be developed through a range of class-based assessment tasks and working scientifically skills.

Assessment strategies will include:

- Classroom observations
- Unit tests
- Written work
- Projects
- Assignments
- Practical activities

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