SUCCESS **FOR ALL**

Golden Grove High School

SCIENCE

Y7-10 General | Biology | Chemistry | Nutrition | Physics | Psychology | STEM

YEAR 7 AND 8 SCIENCE (STEM)

Year 7 and 8 students at Golden Grove High School complete a full year of Science. Assessment tasks will include end of topic tests, science as a human endeavour tasks and investigations. The year involves studies in general science covering Biological Sciences, Chemical Science, Physical Sciences and Earth and Space Sciences in preparation for Year 9 Science.

STEM PROJECT

Each semester students will complete a STEM Project to integrate their science and mathematics understanding

YEAR 7 TOPICS INCLUDE:

- Classification
- Ecosystems
- Mixtures
- Renewable Resources
- Forces

YEAR 8 TOPICS INCLUDE:

- Cells
- Living Systems
- Properties of matter
- Physical and Chemical change
- Energy
- Rocks

YEAR 9 SCIENCE

The year involves studies in general Science covering Earth and Space Sciences, Biological Sciences, Physical Sciences and Chemical Sciences in preparation for Year 10 Science.

Assessment tasks will include end of topic tests, science as a human endeavour tasks and investigations.

TOPICS WILL INCLUDE:

- Ecosystems
- Matter
- Sound and Light
- Plate Tectonics
- Body Systems
- Reactions
- Heat and Light

YEAR 10 SCIENCE

Year 10 Science exposes students to many concepts and content from the various science disciplines. It is a mixture of theory, group work and practical lessons. Students complete a term of Biology, Physics and Chemistry to prepare them for Year 11.

YEAR 10 TOPICS INCLUDE:

- Genetics
- The Periodic Table
- Motion
- Evolution
- Reactions
- Energy

SENIOR YEARS

At year 11 and 12 students choose combinations of the following sciences:

BIOLOGY

The study of Biology is constructed around inquiry into and application of understanding the diversity of life as it has evolved, the structure and function of living things, and how they interact with their own and other species and their environments

CHEMISTRY

Students participate in a range of activities including practical tasks to deepen their understanding of the make-up, behaviour and reactions of substances.
Students learn about real-world applications such a pharmaceuticals, global warming, cooking and materials behind technological advances.

PHYSICS

In Physics, students learn about the phenomena and technology that are in their life. How does a mobile phone send its signal? What do you need to know to launch a rocket into space? How can you make cars safer? What are black holes? How do planes fly?

PSYCHOLOGY

The most common reasons for studying Psychology are a personal curiosity about human behaviour and a desire to gain knowledge that can translate into personal growth. Topics include Psychological Wellbeing, Personality, The Psychology of Learning and Forensic Psychology

NUTRITION

Students integrate scientific knowledge and skills gained in their study of Nutrition and apply them to designing and carrying out practical investigations The acquired knowledge helps students to reinforce or modify their own diets and lifestyle habits to maximise health outcomes.

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Department for Education
T/A South Australian
Government Schools
CRICOS Provider No: 00018A

Government of South Australia
Department for Education

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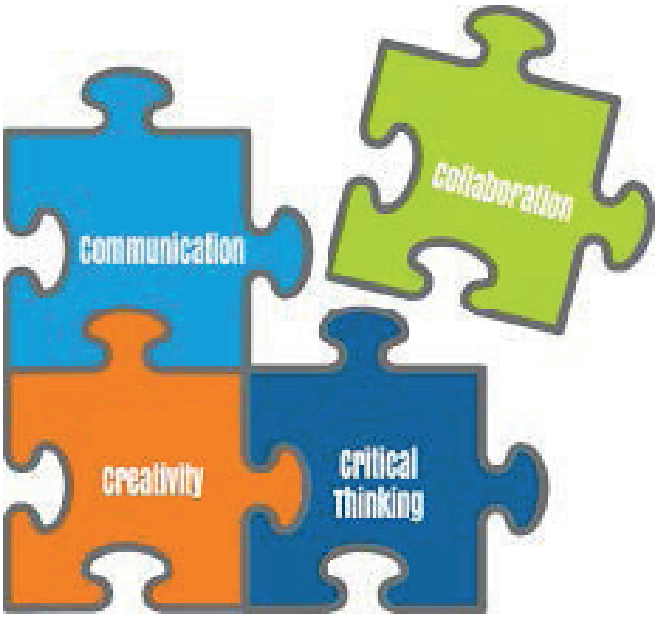
Science at Golden Grove High School has state of the art facilities that bring learning to life and allow students with a range of passions in the STEM field to achieve Success for All through specialized subject learning, a core focus on the learner dispositions and a broad range of curriculum pathways into senior school.



HOW DOES SCIENCE WORK AT GOLDEN GROVE HIGH SCHOOL?

AT YEAR 7 –10 STUDENTS COMPLETE A TERM EACH OF THE FOLLOWING:

- Biology
- Chemistry
- Physics
- Earth Science

Students in year 7 and 8 complete a STEM project each semester.
Students in year 10 have the option to do a STEM elective in both semester 1 and 2

ONCE IN YEAR 11 AND 12, STUDENTS MAY SELECT A COMBINATION OF THE FOLLOWING SUBJECTS:

- Biology
- Chemistry
- Nutrition
- Physics
- Psychology
- Scientific Studies

FOR FURTHER INFORMATION, LEASE CONTACT:

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