

The Science Technology Engineering & Mathematics (STEM)

Our focus on STEM at Golden Grove High School is driven by evidence that the demand for skills in STEM, especially in our growing defence, mining, bioscience, clean tech and food industries is outpacing the supply of skilled men and women. Current trends indicate that the number of jobs requiring STEM skills in SA will increase significantly by 2020. These jobs will be most specifically in the areas of construction, engineering, mining, food production and advanced manufacturing.

All of these STEM fields require students to have rigorous backgrounds in areas such as Mathematics, Physics, Electronics and Chemistry.

At Golden Grove High School we aim to ensure that students graduate with high-level skills and competencies in the STEM disciplines. We are continually developing and/or improving strategies, initiatives, and programs associated with STEM.

STEM at Golden Grove High School is committed to:

- Providing challenging and rewarding extracurricular activities such as National Youth Science Forums, National Competitions, Pedal Prix, Science and Engineering Challenge, Growsmart and Industry Placements, PICSE (Primary Industries Centre for Science Education)
- Providing engaging curriculum opportunities in the middle school for STEM subjects
- Providing teachers with relevant skills and resources to support student learning
- Giving students opportunities to participate in activities, events and other initiatives involving STEM
- Increasing retention in STEM subjects at Senior School
- Foster sustainable partnerships with Business, Industry, Community and Tertiary groups to enhance students learning
- Providing students an awareness, knowledge and skillset that encourages graduates leave school with the intention to gain the qualifications that will support their employment in STEM related occupations