



Students wishing to express an interest in this Academy for Years 7 and 8 are encouraged to submit an application for review by the school. The outline of our STEM Academy Year 7 to 10 curriculum can be found on our website.



STEM ACADEMY

WHAT WILL I DO AND LEARN?

In the STEM Academy, students will be involved in a broad range of learning that includes:

- drone futures and digital technologies
- advanced manufacturing – recreational vehicles
- designing and building a retro arcade machine
- coding – designing and making video games
- social and sustainable housing
- projectile motion
- cryptology
- genetic investigation
- celestial modelling and
- much more

APPLY NOW



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YERONGA SHS STEM ACADEMY

At our STEM Academy, we cultivate curiosity and resilience, preparing students to not only navigate but also shape the future. In the fields of Science, Technology, Engineering and Maths, we integrate project-based, hands-on learning with real-world applications and inquiry learning to ensure our students are equipped with the knowledge and skills necessary to thrive in a dynamic and interconnected world.

Year 7 & 8

1 class for 2 years:

STEM Maths
STEM Science
STEM Technologies

Year 7 STEM Technologies Project

- Drones and Campervans

Year 8 Technologies Project

- Arcade Machine

Year 9 & 10

A choice of the following subjects:

Year 9 STEM Maths
Year 9 STEM Science

Electives:

- Year 9 STEM Technologies
 - Drones & Digital Technology

Year 10 STEM Technologies

- Social & Sustainable Housing



STEM ACADEMY PARTNERS

- University of Queensland
- Queensland University of Technology
- Australian Business and Community Network (ABCN)
- Gateways to Industry – Advance Manufacturing
- Gateways to Industry – Minerals and Energy
- StyroMax and PARTEC – RV industry
- Artists and Industry in classrooms
- CSIRO

WHY STUDY STEM?

As technology advances and global challenges become more complex, the skills developed through STEM empower students to think critically, adapt swiftly, and create solutions that drive progress. STEM education allows students to turn their passions into impactful careers through developing the 21st century skills that are highly sought after in the job market.

In an age where technological advancements are reshaping every aspect of our lives, having a strong foundation in STEM subjects provides young people with a competitive edge so they are not just participants in the future, but the leaders shaping it.

QUALITY PATHWAYS TO SUCCESS