

STEM

FACULTY
TAS

CHARGE
\$40

Cost covers materials for practical learning

HOURS
200

Board endorsed

This course explores the fields of technology and engineering including engineering fundamentals, aerodynamics, motion and mechatronics. Students will work on a major research project and participate in numerous practical learning activities such as the Electric Vehicle Bike Race, Robo Cup, Radio Control 4x4 Rock Crawler Competition and other science and engineering-based competitions.

Overall, it is a practical based subject where students learn to apply concepts directly to a personal project.

Practical experiences include competing in various engineering challenges, designing and racing electric bikes, launching bottle rockets, creating and coding robots and 3D printing prototypes of products.

STAGE 6 **SUBJECT SELECTION**

Engineering Studies
Maths
Sciences
Certificate II Engineering

HIGHER **EDUCATION**

Bachelor of Engineering and Computing
Bachelor of Mathematics and Statistics
Bachelor of Science

CAREER **OPPORTUNITIES**

Engineering
Design
Aviation
Computer Science
Physics