
LEARNING CHOICES PROGRAM

Racing for the Future

DURATION OF SUBJECT

Full year

SUBJECT TYPE

Authentic Learning

COURSE DESCRIPTION

This subject offers exciting real world challenges for girls and boys in a hands-on engineering experience that will expand their knowledge across a range of science, technology, environmental, health and fitness disciplines with a focus on sustainable transportation. Working in teams, students design, develop and build an environmentally sustainable form of transportation that is used in an endurance race at the end of the year. Each student also develops their personal health and fitness in order to power the vehicle for the endurance race.

ASSESSMENT

The proof of the performance is in the scores that the team obtains over the duration of their endurance race. Marks are awarded for design and construction, display and presentation and knowledge of sustainable production and energy systems and the final distance covered in the endurance race.

Why choose this subject?

Students who are interested in keeping fit, have an interest in environmental and sustainability issues, engineering and designing with a variety of materials including metal, and enjoy working cooperatively as a team member would benefit from this subject. This is a subject that offers students an opportunity to experience a hands-on learning challenge with practical applications of all their subjects.

Note: Please refer to the Cost Schedule for details of costs relevant to this subject.