
LEARNING CHOICES PROGRAM

Model Solar Vehicle Challenge

DURATION OF SUBJECT

Full year

SUBJECT TYPE

Authentic Learning

COURSE DESCRIPTION

This challenge provides students with a hands-on engineering experience that expands their knowledge across a range of Science and Technology (STEM) disciplines. Working in teams and individually, students explore the potential of renewable energy while building model boats and cars powered by solar panels. They are involved in all areas of their vehicle's design, construction and final presentation of their process at State competition level.

ASSESSMENT

In this subject, students choose model vehicles to construct and compete at the Victorian Model Solar Challenge and Melbourne Museum Pursuit event. As part of this process, marks are awarded for vehicle construction and presentation of a poster outlining the design and construction of the vehicle, showcasing knowledge of how solar panels produce sustainable energy.

Why choose this subject?

This subject suits students who are interested in working across a range of engineering (STEM) disciplines and in developing a more sustainable approach to energy use.

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