

BENDIGO
TECH
SCHOOL

TECH TASTER

Introduction to Programming

Design a robot and tell it what to do with block-code!



LA TROBE
UNIVERSITY



Education
and Training

Introduction to Programming

Design a robot and tell it what to do with block-code!

Duration

1 Day

9:30 am – 2:30 pm

Dates

From 4th Sept. 2018

Supports these Tech School programs:

Agriculture – Tech tilling our futures

Healthcare – Communication is key

Housing – A vision for growth

Tourism – A digital living showcase

Learning Program Overview

Working in teams, just like during the Tech School's longer program formats, students will be introduced to communicating with robots through block-code programming.

The process of exploration and learning of programming will be project-based and student-directed. Each team will design and program a robot to fulfil certain criteria, involving robot sensor inputs, computation/decision making and outputs/movements.

By the end of this fast-paced introduction to programming students will have experienced what it's like working collaboratively under time pressures, the benefits of using the Design Thinking process in rapid prototyping to "fail fast" and achieve the team's goals more efficiently.

Success Criteria

- Program a robot in a team using block-code software.
- Understanding of Design Thinking model evident in student teams' solutions.

Outcomes - School Links

Year 7 - 10

- Design and Technologies
- Mathematics
- Science
- Digital Technologies

Make a Booking

Website: bendigotechschool.vic.edu.au/programs

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