



RACE - GIPPSLAND

"Raising Aspirations in Careers and Education - Gippsland"



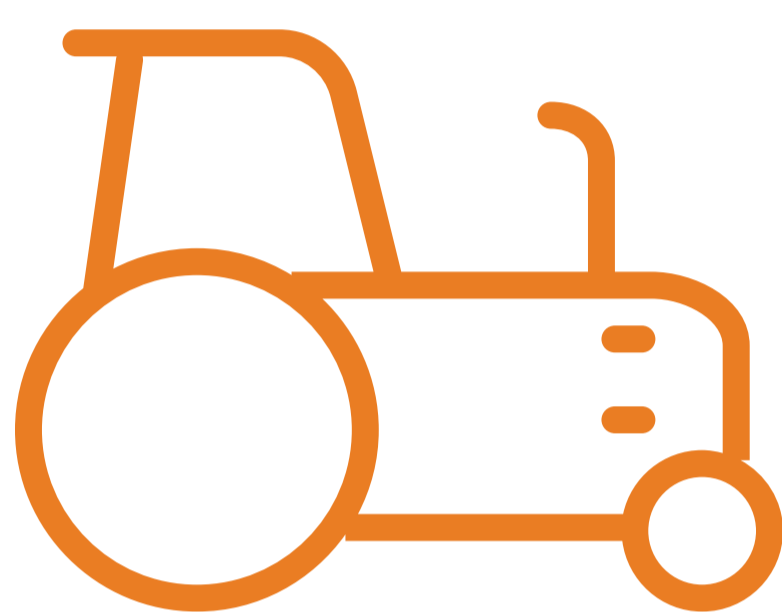
AGRI-TECH ROADSHOW

Bairnsdale Wednesday 17 May 2023

TRACTOR CODING

Precision agriculture technologies are being used to increase yields, reduce waste and labour costs, and minimise environmental impact.

Coding, the process of generating instructions that a computer can understand and execute, is used to automate tasks, solve problems and provide new approaches to the precision methods used in agriculture. Autonomous tractors are an example of this technology that can automatically steer, control speed and perform tasks with precision.



Students will experience how coding is used to provide instructions to an autonomous vehicle when they design, test and iterate a code for an Edison robot to follow using Scratch computer programming language.

DON'T WASTE THE SPUDS!

You might be aware that we can all play a role in preventing food waste, but did you know that food waste can start before your fruit and vegetables have even reached your shopping basket?



On the farm, there are many different types of potatoes. They can grow to be all different shapes, sizes, and quality. Some may not be suitable to be sold in their natural form, but don't despair, we've found a way to save these potatoes from the scrap heap - fried potato chips!

Students will learn more about the different types of potatoes grown in Gippsland, explore their characteristics and test which potatoes make the best fried potato chips.

Agri-tech Roadshow Activities

MILK MYTHS

Did you know that there are over 20 different types of milk that come from animals or plants? Each milk differs in its nutritional content including the amount of protein, calcium, sugar, fat, vitamins and minerals. Consumer preference, taste, and dietary needs also influence how people select the milk they drink.

Using sensor technology, students will examine the nutritional content for a range of milk products sold at their local supermarkets and the health implications of this, busting some myths in the process.



Considering the evidence gathered and their personal circumstances, they will use their findings to select which milk they would drink.

SWEET SCIENCE

How do you test for sweetness in fruit? Smell? Looks? Taste? Traditionally, these senses have all been used to determine if a crop is ready to be harvested and eaten.

However, producers now have access to a more conclusive, and scientific answer.

Students will be able to use all their senses to decipher which fruit they would believe to be the sweetest, based on appearance and flavour, then test their conclusion using an agritech tool.



RACE-Gippsland is funded by:



BOOK NOW to join us at the Youth Agritech Expo in Bairnsdale @ The Hub on Wednesday 17 May 2023



BOOK NOW:
agritech.simplybook.me

*Please note each session booked includes 2 activities. Your preferences can be selected upon booking.

For more information:

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All events and program activities will be conducted in accordance with COVID safe guidelines

Project partners:



Baw Baw Latrobe
South Gippsland Bass Coast
Gippsland East



Local Learning and Employment Networks

