

whywaite
growing your future

WHAT WE OFFER

THE PLANT ACCELERATOR TOUR

Traditionally, if you wanted to compare plant growth, you had to destroy the plant to find out. At the Plant Accelerator, we grow plants on conveyor systems and take their photographs to help us regulate plant maintenance and streamline a high through-put approach to large crop growth and data collation, from seed to seed.

HICKINBOTHAM ROSEWORTHY WINE SCIENCES LABORATORY TOUR

Students at the Waite campus have access to a world class winery- fully equipped for both red and white wine production. we'll show you the facility and labs that our students have access to.

FLAVOUR AND AROMA

How do we define flavour and aroma? What makes some things we eat delicious and others..well, yucky? Get your taste buds and nose warmed up as you learn how to tell the differences in a world of food and drink sensory.

MOUTH FEEL VS ACID CONTENT

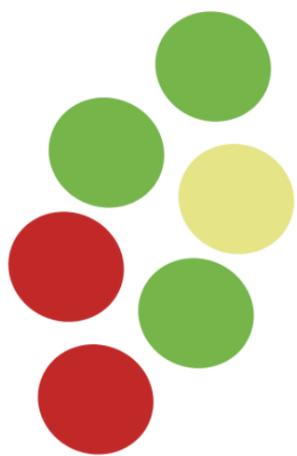
Wines are known for the variety in flavour, aroma and 'mouth feel'. What's the chemistry behind the term and how do we use it to make a commercially successful product?

STICKY FINGERS: B GLUCAN

Plant cell walls are important to plants because they give them structure, strength and act as the first line of defence against nasty microbes in our environment. But why are they important to us? Come and take a closer look and learn about poop too!

WHY WAITE? BOOK NOW!

thewaite.org/participate/schools/why-waite



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SOILOT OF FUN!

I know you all think that soil is that dirty stuff that makes a mess everywhere and is a big nuisance BUT it is also the living skin of the planet and without it we would not be able to produce the food that keeps us all alive! This is a three pronged approach to soil analysis, ending in small competition!

SOILS AS A FILTER

Soils are comprised of multiple elements that affect the final pH, charge, porosity and particle size. This affects how water runs through, what binds to the soil, what passes through and what is left for plants to absorb. This activity can run solo or with the above activity.

DNA CRACKING THE CODE

Let's open the book of life and learn about how and why we scientists have double helix on the brain- actually- so do you! You'll get to use micropipettes, gel electrophoresis and can even extract DNA strands from plant tissue!

PLANTS TO MAKE YOU GO! (PLANTAGO)

Imagine a weed that you just step on because it's so small and insignificant. Now imagine that weed has the power to prevent colon cancer... Bet you don't want to step on it now! We'll show you how it unlocks its secret potential using microscopy and tactile senses.

....AND REMEMBER OUR ACTIVITIES ARE FREE

You just need to get to us! We'll tailor your visit to suit your needs and can add any combination of activity or tour. Most sessions require a minimum of an hour to an hour and half.

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