



BRAINways
EDUCATION
excellence through education



THE UNIVERSITY OF
WESTERN
AUSTRALIA

BRAINways EDUCATION, in conjunction with University of Western Australia invites gifted and talented students of Perth to participate in:

ACADEMICUS:

Chemistry in Medicine:

The Secret Science of Pain

This workshop is an introduction to the topic. An in-depth exploration is possible via e-Learning

Ouch! Everyone experiences pain - but why do some people react to the same painful stimulus in different ways? And what exactly is pain, anyway? To find out, join us as we investigate the anatomy, physiology and the biochemistry of pain - how it works, why we have it, and how painkillers make the pain go away.

A program for students year levels 4-6.

Program developed and presented by BRAINways EDUCATION.

Program Dates: Tuesday, April 14th

Program Times: 9.30am - 12.00pm (please arrive 15 minutes early for registration)

Place: University of Western Australia - Crawley Campus

Cost: \$47 per student

For enrolment and payment, please access the registration website at <https://registration.brainways.com.au/perth-academicus/>

Please ensure you bring with you, at the programs, the Nomination Letter you received from your school, as it will be required for registration. Please note that schools are not able to reserve their students' places in the program, and places will fill on the first come, first served basis

What to bring: Drink (water only please), morning tea (and lunch, if also attending a afternoon program), notebook and pencil, smile

BRAINways EDUCATION, in conjunction with University of Western Australia invites gifted and talented students of Perth to participate in:

ACADEMICUS:

The Mathematics of Fake News

This workshop is an introduction to the topic. An in-depth exploration is possible via e-Learning

What does Fibonacci's sequence have to do with cheating? And can mathematics help you spot the fake news? This workshop will answer these questions and explore the mathematical laws of data fraud. We'll attempt to explore mathematically the difference between serious misconduct and 'bending the rules', the balance between risk and reward, and the probability of getting caught.

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BRAINways EDUCATION, in conjunction with University of Western Australia invites gifted and talented students of Perth to participate in:

ACADEMICUS:

The Greatest Revolution Yet:

The Age of Technology

This workshop is an introduction to the topic. An in-depth exploration is possible via e-Learning

With the rise of the Internet in recent decades, its impact on society has been transformative for individuals and the society as a whole. Its influences are profound at multiple levels - including in communication, access to knowledge and social interaction. Join us to explore the technology available, the way it permeates, enriches as well as overwhelms our lives.

A program for students year levels 4-6.

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Program Dates: Wednesday, April 15th

Program Times: 9.30am - 12.00pm (please arrive 15 minutes early for registration)

Place: University of Western Australia - Crawley Campus

Cost: \$47 per student

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BRAINways EDUCATION, in conjunction with University of Western Australia invites gifted and talented students of Perth to participate in:

ACADEMICUS:

Where Is Your Mind?

A Philosophical Dilemma in Creative Writing

This workshop is an introduction to the topic. An in-depth exploration is possible via e-Learning.

How can an entirely material, essentially meaningless world contain meanings? Many Philosophers, from Plato to Descartes have struggled with the mind-body problem. The brain is physical, but what about the mind? Are they two different things, or one and the same? How do they interact with one another?

And what is consciousness? These and other fundamental philosophical questions will be explored through well-known works, as the students will identify strategies to incorporate meaningful messages in their creative endeavours.

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