Maths in Motion

TEXAS INSTRUMENTS

Date: Monday 27th November, 2023

Venue: Waterman Centre, 44 Lakeview Drive, Scoresby 3179

Cost: FREE *Catering and a PD certificate will be provided.*

Come along and participate in a range of activities that brings Years 7 -12 mathematics to life in fun and engaging ways!

From describing the trajectory of a drone to the path of a robotic vehicle, studying motion in mathematics provides the tools to understand and predict the behaviour of objects in the world around us.

The Maths in Motion program has been designed to add a dynamic dimension to the world of numbers and equations whilst having lots of fun!

Program:

Arrival and Sign in: 8:45am – 9:15 am

Welcome: 9:15 am – 9:30am

Session 1: 9:30am – 10:45am

Introduction to TI-Innovator Rover™

From linear functions to functions and calculus, Rover can do it all. In this session participants will work through a series of activities that help develop conceptual understanding of linear functions, provide a challenging application for calculus and a platform for coding and algorithmic thinking.

Morning Tea: 10:45am – 11:00am

Session 2: 11:00am – 12:15pm

Rover v Turtle!

You've heard of the tortoise and the hare, what about Rover and the Turtle? Which one is better at introducing geometry, probability, algorithmic thinking and pseudo-code? In 1966, Seymour Papert introduced "Logo", now its available on TI-Nspire (Turtle) and brought to life through Rover. When it comes to student learning, Seymour Papert noted: "…some like the movement, and the dramatic action, others like the detail and the precision. We should be able to offer each individual the opportunity to learn in a way that just feels right".

Lunch: 12:15pm – 1:00pm

Session 3: 1:00pm – 2:30pm

Micro:Bit = Macro:Fun

Do you consider yourself a bit of a Maverick? Would you like to learn how to fly a drone, from your calculator? The BBC Micro:bit can be programmed from a computer, mobile phone or your TI-Nspire™ calculator. In this session we will simulate the spread of a virus, wirelessly send data from one calculator to another, see how to collect all sorts of data and fly a drone!

Scan the QR code to register for this event

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