Wolfram Professional Learning Sessions

The Department of Education and Training has entered into a three-year agreement for the provision of a proprietary suite of [Wolfram products across all Victorian secondary schools](). The licence covers school devices, teacher devices and student Bring Your Own Devices (BYOD).

The Wolfram suite of products is internationally recognised as powerful learning tools across STEM. It has applications in the areas of computation, problem modelling, coding and more. It also enables the creation of resources and assessment.

Victorian teachers are invited to exclusive professional development seminars delivered by Wolfram educators to support the use of these tools in the classroom. Numbers for each session are limited so get in early.

Victorian Teacher - Wolfram Hands-On Start Mentor Training

This hands-on course will provide teachers who are new to the Wolfram Language the basics for using the Wolfram tool suite within their classrooms. At the completion of this seminar attendees will be recognized as skilled Wolfram technology users. This training is suitable for teachers in all STEM areas.

With this training, teachers will learn different ways to engage students to interact with *Mathematica* and other available Wolfram tools, enter queries through natural language input, create lesson plan notebooks, perform numeric and symbolic calculations, generate 2D and 3D visualizations, and create interactive models.

This is an exciting opportunity to learn directly from Wolfram staff and ask questions about using Wolfram tools with students to support computation and coding instruction in the classroom. Designed to be "hands-on" and interactive, this course will also help enhance digital technology teaching techniques.

After this course, teachers will have the option to complete a certification process with Wolfram to become recognised as a Wolfram Hands-On Start Mentor, supporting the use of Wolfram products with other Victorian teachers.

To find out more and register go to Wolfram Training. Space is limited, and there may be a wait list. Acceptance will be granted to ensure a broad coverage of schools and subject matter experts.

Participants will need to bring their own laptops equipped with *Mathematica* to utilise the hands-on aspects of this training. [Download here]()

Regional Sessions:
22 November – Geelong Grammar, 10am-4pm
24 November – Nagle College Bairnsdale, 10am-4pm

Further sessions: Three session (Metro and Regional) will be offered in March 2017 – details TBA

[Register here]()

Introduction to creating classroom materials using Wolfram SystemModeler

Jan Brugard from Wolfram Research, will be hosting this [Wolfram SystemModeler]() training session.

This session is suitable for teachers in STEM areas, especially Engineering, Physics, Chemistry and Biology.

The purpose of this training is to engage teacher exploration, to create a pool of Victorian SystemModeler mentors and the creation of a number of example [classroom materials]() for sharing with other teachers. The course will cover:

Modelling and Simulation recipe
- o   Overview of how to use modelling and simulation in teaching in order to illustrate or even give hands-on experience of theoretical concepts, allowing students to reach a new level of insight.

Drag-and-Drop Modeling
- o   Instruction about working with libraries, connecting components, adding and setting parameters, simulating models, plotting variables, creating new components, modeling multibody systems, and adding CAD shapes.

Mathematica and SystemModeler
- o   Using Wolfram SystemModeler Link, running simulations from Mathematica, parallel simulation, sensitivity analysis, and model calibration.

Attendee requirements
- Bring your own laptop with Wolfram SystemModeler and *Mathematica* [installed]().
- Attendees will work with others to create course materials. It is expected that these will be shared in follow up session to be held in June 2017.

Details
28 November 10am – 4pm
Kensington Town Hall
Follow up session: June 2017 (details TBA)

[Register here]()