

# Integrating STEM

*Addressing multiple STEM learning goals together in integrated, cross-curriculum projects*



Presented by Dr Adrian Bertolini

**Brisbane QLD**

**Tuesday 22<sup>nd</sup> May, 2018**

**Venue:**

Mount Alvernia College 82  
Cremorne Rd KEDRON 4031

**Time**

8.30am – 4.00pm  
(Reg. from 8.00am)

**Cost:**

Full fee: \$319 inc GST  
**Earlybird: \$297 inc GST**  
*10% Group discount available*

Includes: 6.5hr workshop,  
morning tea and lunch

## Workshop Outline

The goal of this workshop is to show HOW subjects and topics from across the curriculum can be integrated into highly engaging and impactful projects.

There are a lot of misconceptions about STEM (Science Technology Engineering, Maths), its cousins STEAM (which includes Arts) or DSTEAM (which also includes Design). Fundamentally, STEM is about developing authentic learning that uses the disciplines of Science, Technology, Engineering and Maths to create a learning environment that NATURALLY develops deep thinking, collaboration and problem solving.

The workshop will focus on different types of integrated STEM projects. For example, we'll explore ZEP Island™, an educational game based on building a model sustainable community for "ZEPs" - 'Zero Emissions People'. The game is an open-ended design challenge, and offers a flexible 'container' for a wide range of learning experiences. ZEP Island™ covers Biology, Physics, Chemistry, Maths, Digital Technologies, and Design Technologies from upper Primary and Middle School to Senior Secondary.

In the workshop we will also explore "Extreme Measures", a set of practical activities around measurement - from the smallest to the biggest imaginable quantities.

In this workshop, you'll cover the following key activities:

- Using Design Thinking to solve STEM problems
- Building solutions that include electronics, sensors and coding

*This workshop is for secondary and upper primary teachers and senior leaders, especially those who's responsibilities include STEM.*

## About Dr Adrian Bertolini



Adrian is the Founder & Director of Learning of Intuyu Consulting. He is one of Australia's foremost thought leaders on practical and real education that empowers and develops resilient, independent learners. Whilst his journey began as an engineer and Senior Lecturer in Aerospace Engineering at RMIT University, Adrian has worked across Australia, with students and teachers in primary, secondary and tertiary environments, to create authentic learning structures and experiences. Adrian is much sought after by schools for his simple and effective presentations that not only challenges people to think deeply but also provides listeners with the practical "how's" to move forward. He is constantly acknowledged for being an engaging, passionate and knowledgeable speaker and facilitator. **A joint Intuyu-CLWB.org workshop**

## REGISTRATION FORM

# Integrating STEM

I/we will be attending:  Tuesday 22<sup>nd</sup> May, 2018 @ Mount Alvernia College, 82 Cremorne Rd, Kedron QLD 4031

**Time:** 8.30am – 4.00pm

**Cost:**  Full fee - \$319.00 inc GST

**Early Bird Fee- \$297.00 inc GST – before 30<sup>th</sup> April, 2018**

**Discounts:** 10% for groups of 3+, discount will be applied to either earlybird or full fee at time of invoice.

*If participant names cannot be provided at this stage please place TBA in name of attendee, then provide names when confirmed.*

Name of Attendee (CAPITALS please)	Mobile	Email Address

School: \_\_\_\_\_

Address: \_\_\_\_\_

Suburb: \_\_\_\_\_ Postcode: \_\_\_\_\_ Phone: \_\_\_\_\_

PD Co-ordinator: \_\_\_\_\_ Purchase Order No: \_\_\_\_\_

Business Manager/Accounts Email for Invoice: \_\_\_\_\_

**Return completed form via email or mail to Intuyu Consulting Pty Ltd:**

**Post:** 21 Charming St, Hampton East Vic 3188

**Email:** [office@intuyuconsulting.com.au](mailto:office@intuyuconsulting.com.au)

**Online registration available**

**Phone:** 0411 270 277

**Website:** [www.intuyuconsulting.com.au](http://www.intuyuconsulting.com.au)

Upon receipt of the registration form you will be **emailed** a confirmation of registration, and a **Tax Invoice** for payment, please include the email for accounts payable.

### Terms and Conditions

**Payment methods:** Direct Deposit preferred method of payment within 14 days upon issue of invoice.

**Booking Conditions:** By submitting this form you are confirming that you have been given financial approval by the school/organisation to attend the workshop and that you have read and understood the terms and conditions.

**Cancellation fees apply:** If you (the participant) are unable to attend for any reason we ask that you notify us immediately in writing.

If you cancel, withdraw or fail to attend the event within ten (10) business days of the scheduled date, you are liable for the full cost of the fees.

If this has occurred between eleven (11) and thirty (30) business days prior to the event, then a 25% administration charge will apply.

All cancellations must be in writing and emailed to us: [office@intuyuconsulting.com.au](mailto:office@intuyuconsulting.com.au)

**Registration is transferable** to another person from your organisation if the registered person is unable to attend the workshop. Notification via an email to [office@intuyuconsulting.com.au](mailto:office@intuyuconsulting.com.au) is required

**Cancellation of an event** by Intuyu Consulting: In the event of insufficient applications, the program will not proceed and registration monies will be fully refunded. In the event of the program being cancelled, registration monies only will be refunded as Intuyu Consulting will not accept liability for the payment of any other associated costs you may have incurred.

**Payment of registration:** All registration payments must be made prior to workshop commencement. \*Early Bird rate must be paid by the invoice due date otherwise we reserve the right to re-invoice at the standard rate.