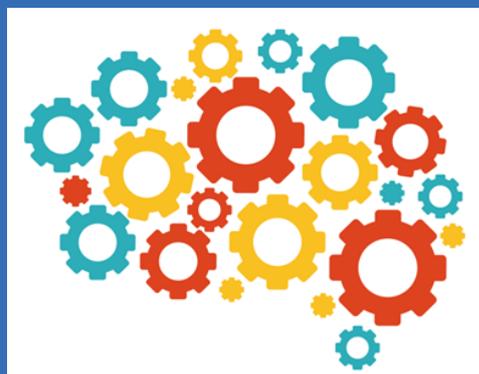


# Integrating STEM

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

Presented by David Shigrov – CLWB.org



**Fremantle WA**  
Thursday March 22, 2018

Hosted  
by



**Time**

8.00am – 3.30pm  
(Reg. from 7.30am)

**Cost:**

Government School: no charge  
Non-government fee: \$370 inc GST  
**Earlybird: \$349 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
- Fun measuring activities – e.g., how can you 'quantify your school'?

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

## About David Shigrov



David is currently a STEM Teacher at Seymour College in South Australia where he delivers integrated units of enquiry. He is the President of the Mathematical Association of South Australia; and is a councilor for the Australian Association of Mathematics Teachers. David has Bachelor degrees in Science and Education as well as a Masters of Educational Leadership and Management. He has delivered and facilitated workshops on Coding, Mathematics, and Algorithmic Thinking across Australia and has partnered Pearson Australia in developing resources for the Technologies Curriculum. David is trained by Mike Lloyd – CLWB.org to deliver their workshops.

A joint Intuyu-CLWB workshop

{ CLWB.org;  
Invent. Learn;  
}



# REGISTRATION FORM

## Integrating STEM

I/we will be attending:

Thursday 22<sup>nd</sup> March, 2018 @John Curtin College of the Arts, 90 Ellen St, Fremantle WA

**Time:** 8.00am – 3.30pm

**Cost:** Government School – no charge

Non-government fee - \$370.00 inc GST

**Early Bird Fee- \$349.00 inc GST – before 27<sup>th</sup> Feb, 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.