



Cyber=STEM

Steve Morrill: International Cyber Teacher Mentor in Australia

'Professional development for teachers related to cyber security is of critical importance. All students need a basic foundation in cyber to participate in today's digital society.'

Steve Morrill, Cyber Teacher Mentor

Masterclass for teachers in Cyber Education

The STEM Consortium (ECAWA, MAWA, SciTech and STAWA) and LifeJourney presents Steve Morrill, internationally renowned Technology and Cyber Science educator.

Steve Morrill is currently the Director of Technology & Cyber Science at Loyola Blakefield in Towson Maryland. Prior to joining Loyola Blakefield, Steve spent 13 years managing and teaching technology in higher education.

Steve is transforming school curriculum through cyber education that inspires students to be internet savvy and creative with technology. Our GenCyber are the next wave leaders: empowered, innovative, problem solvers and

Walk away with your Cyber Teacher Showbag, a framework to start your professional learning journey in Cyber:

- Learn why Cyber Science is cool.
- Learn about Steve's journey.
- Learn how to include Cyber as integrated curriculum.
- Learn how to become a Cyber Teacher.
- Learn how you can touch the future and change the world.

Don't Miss Steve's
**FREE Masterclass at
Edith Cowan University**
Mount Lawley campus
Building 10, Lecture Theatre 131
2 Bradford St, Mount Lawley, WA 6050
Monday July 31, 2017
4:00pm to 7:00pm

Register today at <http://mawainc.org.au/secondary-professional-learning/>



Department of
Education





For secondary and tertiary teachers of all academic disciplines and skills levels to be inspired and want to learn more about Cyber Science and introduce it to students.

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Welcome and Intro

Rachael Whitney-Smith, STEM Consortium Partner

Did you know? Cyber Science is an interdisciplinary field of study developed at the intersection of cyber technology and human behaviour, which impacts the world's leading industries, like defence, mobile, energy, healthcare, and finance.

In today's world the majority of our students are great consumers of technology. Today's students are called digital natives. While students may know how to use digital tools, most do not know how technology works. As a long time technologist I want to know how something works so I can tell you what it is good for. All academic disciplines have a tremendous opportunity and a responsibility, to teach the next generation how technology works. Students hear about careers in cyber security, but what does that mean? This session is designed to introduce you to what cyber science is so you know how to introduce your students to this critically important topic.

This workshop will inspire teachers to learn more about Cyber Science and know how to introduce Cyber to their students. Teachers walk away with a framework to start your own professional development journey in Cyber Science able to build confidence and capacity in students to succeed in future STEM careers.

"If our schools are to perform as they should, they will live in a continual tension between the old and the new, the comfortable past and the uneasy present."

- Fr. Pedro Arrupe

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**FREE Masterclass
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3:30pm tea and coffee on arrival
4:00pm start to 7:00pm
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Program

Steve will present an interactive, hands on and practical session providing new knowledge and skills in Cyber education that can be taught from Year 7 to Year 12.

The following frames this professional learning:

The Journey

- Why do I teach?
- How I find myself in secondary education teaching Cyber Science?
- Why won't some faculty members eat lunch with me?
- What does the word cyber mean to you?
- What is Cyber Science as defined by my students
- How does Cyber Science inspire students?
- How did I achieve the brief journey of 6 students to 125
- Have I come to the wrong session? I am not a computer science teacher...Don't leave yet!

Implementation

- How can Cyber be taught in a cross curricular approach?
- Where do I even start on something like this? This sounds like a daunting task.
- Don't panic. How can I start from my expertise and build out from there?
- What are some awesome professional development tools to help?
- CompTIA Cyber Teacher – build your tech skills.
- Optus cyber security experience – educate and inspire your students about career opportunities.
- How can my school be involved in the Cyber Victoria Schools Challenge?
- Is it ok to learn together?
- How do we pull this all together ?

Support

- Cyber Teacher Community Resources
- FAQ
- Q & A

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