

Professional Development



in **Technology and STEM (TAS) education**

Armidale Tuesday 22nd September

eTextiles an introduction to STEM education

6 hours of training. All meals and training materials included.

Register for courses and see more details at dontpanic.net.au and selecting from the courses offered.

Don't Panic STEM curriculum support Technology Teacher Professional Development

by Peter and Ruth Thompson

This is a STEM (Integrating Science, Technology, Engineering and Mathematics) course, during which teachers will be introduced to the basic concepts of electronics and how to apply them to textile based design projects. The course will include an introduction to electronics theory, identification of simple components, developing circuits using ICTs and applying that knowledge to simple skill development projects.

Participants will engage in discussion regarding project based learning, its application in the classroom and how to develop appropriate assessment methodologies.

This workshop is a basic introduction to the fun world of e-Textiles.

The workshop will include a kit of components that contains enough parts to enable further

experimentation after the course. This course is designed to help the absolute beginner get going with e-Textiles.

Targeted concepts are Project Based Learning, Design Thinking, Computational and Algorithmic thinking and Integrated Learning.

STEM skills are identified as being crucial to Australia's prosperous future.

Want to take it further? Add on the eTextiles extension and learn to code your smart textiles.

Time: 8:30 to 4:00 pm

Cost: \$400 plus GST inc resources

Contact: Ruth@DontPanic.net.au

Don't Panic is endorsed to provide NESA Registered Professional Development for teachers accredited at Proficient Teacher. Completing the e-Textiles course will contribute 6 hours of QTC Registered PD addressing 3.3.2, 3.4.2, 6.2.2, 6.4.2 from the Australian Professional Standards for Teachers towards maintaining Proficient Teacher Accreditation in NSW.

