

Hands On Technology 2017 Course Descriptions:

GAIN VALUABLE "HANDS ON" PROFESSIONAL DEVELOPMENT

TALK TO TEACHERS FROM ALL AROUND THE STATE

UP-SKILL YOURSELF

Industrial Technology Multimedia – Stage 5 course outline –

In this course, Owen Telfer (Killara High) will demonstrate how he runs Stage 5 Industrial Technology Multimedia courses. You will be provided with assessment tasks, student examples, and course structures from both of these schools. Demonstration and tutorials of the software (Premiere, After Effects and Blender) and processes involved in each project will also be covered to further allow you to incorporate content into your own stage 5 classes. There will also be a 1hr presentation on how Killara High School run Stage 6 Multimedia, and folio setup for the major work.

<https://www.youtube.com/user/otelfer>

[Member Cost: \\$350](#)

[Non Member: \\$400](#)

STUDENT TEACHER (IIATE MEMBER) COST: \$150

Maximum Number - 15

Art Metal Work - Stage 4 and 5

This course is intended for those who have never done silver jewellery before and are looking to introduce it as a stage 4 option in Technology (mandatory). You will learn how to make a plain silver ring, a twisted ring and a pendant in sterling silver. This is taught from metalworking principles and can be taught in a metalwork room with quite basic tools.

[Member Cost: \\$400](#)

[Non Member: \\$450](#)

STUDENT TEACHER (IIATE MEMBER) COST: \$200

Maximum Number - 15

Basic Woodworking

Learn to construct basic wood projects suitable for students in stage 4 and stage 5. Learn how to construct joints properly as you make the projects. Become aware of where students may experience problems and how to save their jobs, without starting again.

[Member Cost: \\$400](#)

[Non Member: \\$450](#)

STUDENT TEACHER (IIATE MEMBER) COST: \$200

Maximum Number - 20

Designing and Building Jigs for Quality Projects.

In this workshop you will learn the skills required to design effective and quality jigs for the use of one off unique pieces, or the production of multiple identical components. During the course you will make a number of useful jigs and have the opportunity to have me help you design and develop a jig for a current project you are working on if you choose. This workshop will also teach you how to master your router and router table.

You will also make a small project that will use some of the jigs you construct over the weekend.

[Member Cost: \\$400](#)

[Non Member: \\$450](#)

STUDENT TEACHER (IATE MEMBER) COST: \$200

Maximum Number - 15

Illustrator + Laser Cutter

This course will incorporate using Adobe Illustrator specifically for the laser cutter, and how to incorporate this technology into your existing Stage 4 and Stage 5 projects. Participants will design and create their own versions of projects, as well as being able to experiment with their own project ideas.

- Illustrator basics and designing for the laser cutter
- incorporating student sketching into Illustrator, as well as sourced images and creating designs in Illustrator
- Acrylic Key tags
- Veneer inlays
- Plywood cupholder

[Member Cost: \\$400](#)

[Non Member: \\$450](#)

STUDENT TEACHER (IATE MEMBER) COST: \$150

Maximum Number - 15

Metal Technology - Skilling for Success

The aim of this course is to develop skills and produce high quality projects that are extremely successful with metal students. Participants will also complete the jigs necessary to complete these projects in their schools. Advice will be given to participants in managing multiple projects within the one class.

Project 1:- Centre/Nail Punch

Skills:-

- { Metal Lathe operation
- { Facing
- { Parallel turning
- { Taper turning
- { Knurling
- { Heat treatment
- { Finishing

Project 2 - Hacksaw (full size) & Jigs to construct it

Skills

- { Lathe - drilling, facing
- { Milling
- { Drilling
- { Threading
- { Drifting a square hole
- { Bending with heat and jig
- { Welding
- { Brazing
- { Jig making

Participants will be exposed tooling and techniques that will allow their students to effectively produce these projects to the highest standard.

Participants will need to bring:-

- { PPE:- Safety glasses, ear muffs, electric welding mask & gloves
- { Solid leather shoes/boots
- { Appropriate clothing

If you have any questions you can contact Gerald Harding on:- 0427532852 or
Email:- gerald.harding@hardtech.net.au

[Member Cost: \\$400](#)

[Non Member: \\$450](#)

STUDENT TEACHER (IIATE MEMBER) COST: \$200

Maximum Number - 12

