

Killara High School Hands on Technology 2022

Course Descriptions:

GAIN VALUABLE “HANDS ON” PROFESSIONAL DEVELOPMENT

TALK TO TEACHERS FROM ALL AROUND THE STATE

UP-SKILL YOURSELF

Multimedia Crash Course

In this course you will complete a range of projects that can be used in stage 5 and/or 6. Resources that link to the projects will be provided so that you are able to take them back to your school. Projects include: Graphic Design in Illustrator, Animation in After Effects, Websites in Visual Studio Code / Dreamweaver, Video Editing in Premiere Pro and Portfolio/Magazine production in Indesign. Discussions /examples around best practice and how to build up skills for band 6 results will be shown and discussed. Participants need to bring a USB to save work. BYOD devices will need to have Adobe Illustrator, Indesign, Premiere Pro, After Effects, Media Encoder and Visual Studio Code/Dreamweaver installed as well as internet access (only needed to connect apps and simple research). Access to school computers will also be provided.

MEMBER COST: \$400

Maximum 22 Participants

Coding & Game Design in Stage 4 Digital Technologies with WoofJS

In this course you will learn how to code and design a game using WoofJS for Stage 4 Digital Technologies. WoofJS is a free web-based platform for making games with JavaScript code. WoofJS is inspired by Scratch and makes for a great transition from coding in Scratch to coding with text-based programming language. At the end of the course, you will have designed a game using your own graphics, animations and code. You will also be provided with resources to implement this program in the classroom.

MEMBER COST: \$400

Maximum 22 Participants

Art Metal Work (Silver Jewellery)- Stage 4 - Introduction

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: \$460

Maximum 10 Participants

River pour: Playing with Recycled Timber and More

Have you always wanted to know the Tips & Tricks of doing River Pours? How to get rid of those pesky air bubbles in pour on finishes? Or how to achieve great finishes using recycled timber? What products and requirements can be used for internal and external conditions?

This workshop will give you all the tips and tricks and correct products to do River Pours and more. By doing your own projects you will be loaded up with techniques for working with recycled and new timber for making unique woodwork projects. You will gain tips & tricks on how to take very ordinary pieces of timber from fence palings to slab timber and turn them into one off masterpieces. The plan is for you to bring manageable pieces of 2nd hand timber with you to play with over the two days. We will do the pouring / Epoxy coating on Saturday and finishing on Sunday.

We will provide you with a list of goodies (Do not sweat if you do not have timber – we can supply) and tools you will need to bring once advised you have selected our knowledgeable workshop.

MEMBER COST: \$650

Maximum 14 Participants

Introduction to Sketchup

Do you think that SketchUp is a 'Toy' CAD program that no professional would ever touch? Did you know that NASA use SketchUp? So do many architectural and engineering firms. This is freeware. Don't know how to start using SketchUp? Have you played around with SketchUp but feel that you have missed some basic tips, shortcuts, page set ups?

MEMBER COST: \$400

Maximum 22 Participants

Stage 4 Materials. Textiles

In the new technology mandatory syllabus there is an option for a materials textile unit. This course will focus on meeting the outcomes for this unit and give a practical hands on experience of how to creatively engage students. The project is called the Everywear Bag which allows for design variation for students, entails basic dyeing or printing principles and manufacturing skills. All materials for drafting and producing the bag will be supplied in class.

MEMBER COST: \$460

Maximum 15 Participants

Art Metal Work (Silver Jewellery) – Advanced

For those of you who have done the introduction stage 4 jewellery course, this advanced course will allow to learn how to make some more complicated pieces for jewellery suitable for stage 5 students, such as the built-up ring, belt ring, heart ring, 'V' ring, crucifix pendant.

MEMBER COST: \$480

Maximum 10 Participants

Timber Upskilling

Are you looking for a way to bring your projects from basic to STANDOUT? Have you wondered about using jigs? How to make them? Where to buy them? How do you introduce new materials, skills and tools to your students? How do you 'sell' your existing projects under the STEM banner? Wondering how to get the most from your router and NEW DoE contract router table? Curious about finishing and dressing projects up? Then this is the course for you. In this course I will teach you the fine art of high-end quality box making. I will show and teach you how to make jigs to improve the quality and efficiency of student work, and the hand tool skills required. Course participants will produce a fine jewellery box suitable for stage 5 or 6. The project will look at a range of production methods, tips and tricks to ensure the greatest success for students.

MEMBER COST: \$500

Maximum 15 Participants

Introduction to Onshape

This is a course introducing educators to Onshape. "Onshape is a professional-grade, cloud-native CAD platform that students and educators can access for FREE on any device, anywhere, anytime."

It is cloud-based platform that works on both Mac and PC. Design complex solid and surface models using top-down or bottom-up methodologies. Create highly structured and detailed assemblies with built-in standard hardware and parts linked from other Documents. Create fully detailed drawings of parts and assemblies with dimensions, and import and export of DWG, DWT and DXF file formats.

Participants will leave the course able to model and draw products suitable for high school technology and engineering subjects. They will be able to manage Onshape in a school environment and access and develop resources for use in the classroom.

MEMBER COST: \$400

Maximum 22 Participants

Learn the basics of programming arduino

Learn the basics of programming arduino and make an LED sign (laser etched,) that changes colour each flash. An engaging yr8 project with scope for differentiation in product design and colour choice/sequence being virtually unlimited. (directly meets the Tech Mand syllabus outcomes)

MEMBER COST: \$500

Maximum 22 Participants

Introduction to AutoCAD

This training course will demonstrate the basics of using AutoCAD to create and print 2D Architecture drawings. During the course you will work through a task suitable for Stage 5/Preliminary Design and Technology focusing on architectural design and drafting.

MEMBER COST: \$400

Maximum 22 Participants