<table>
<thead>
<tr>
<th>Workshop Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>WEDNESDAY ALL DAY WORKSHOPS</strong></td>
<td></td>
</tr>
</tbody>
</table>
This 6 - hour workshop is an easy entry into control technology. The course will introduce concepts of coding with real world devices, an introduction to microprocessors via a locally developed board with built in I/O, motor driver, multiple LEDs, LDR, buzzer output. Easily learn to code a microprocessor. This is a low-cost entry appropriate to schools using free software for simulation and experimentation. This workshop will address Materials, Engineering and Digital outcomes of the 2019 Technology Mandatory syllabus. Course includes one ‘Techstarter’ board. Additional sets are available for purchase. Course includes one ‘Techstarter’ board. Additional sets are available for purchase. Participants will engage in discussion regarding problem / project-based learning, its application in the classroom and how to develop appropriate assessment methodologies. This workshop is suitable for all levels of expertise. Targeted concepts are Project Based Learning, Design Thinking, Computational and Algorithmic thinking and Integrated Learning. Maximum Number: 20

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?

This workshop will give you all the Tips & Tricks and correct products to do River Pours and more. By doing your own projects you will be loaded up with heaps of techniques for working with recycled and new timber for making unique woodwork projects. You will gain Tips & Tricks on how to take any ordinary pieces of timber from fence panels to slab timber and turn them into one off masterpieces. The plan is for you to bring your own slab to pour a river no longer than 250mm x 300mm wide. You will do the pour on Wednesday and take it home with you on Friday.

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 on arrival and you have selected our knowledgeable workshop.

Practical Areas covered include:

- River Pours in slab timber for Table Tops and wall features.
- Learning how to re-purpose recycled timber including how to clean up fill cracks and finishing options.
- If time permits - High gloss pour On finish equivalent to 40 Plus coats of varnish.
- Cover off on Clear finishing timber with Clear System.

Theory areas covered as you work;

- A safer way to Work using Bote Cote and other modern technology Epoxies & polyurethanes we will be playing with.
- Properties of different types of Epoxies & Polyurethanes and why some are safer to use than others.
- Heaps of Tips & Tricks for achieve good results filling holes, pouring Rivers and high gloss finishes.
- Why coatings fail.

Additional Cost: $150.00 per teacher including GST. Includes a 1.5 Ltr LuciClear casting Kit, 500ml Pour On Gloss Kit, Bote Cote Boat Building Book.

Skill Level: A positive attitude. Do not need previous Wood Working Skills.

Minimum - 4 Teachers Maximum 10

Workshop duration: 6 hours. Ideal for Wednesday Session.

Conducted by: Dave Giddings of DRIVE Marine Services.

ON Guard Safety Training

Bruce Lewis

Max number – x10

BTOC Machine Inspections and Maintenance

Requirements – Own Mobile Device with QR Reader App installed.

Session Brief –

Regular Machine Inspections

A. Machine Inspections - Practical Experience

Participants will:

1. Login in to OnGuard Safety
2. Setup the Machine Inspection Register by adding machines
3. Edit the Serviceability Criteria for each machine added
4. Conduct a sample inspection
5. Develop Machine Inspection Reports

B. Maintenance Register - Practical Experience

Participants will:

1. Login in to OnGuard Safety
2. Record a sample Maintenance Procedure

Knowledge Consolidation

Upon returning to school the participant will be able to:

1. add machines to the Machine Inspection Register
2. edit Serviceability Criteria for each machine
3. Conduct Machine Inspections for all the machines at their school


Improve efficiency, reduce paperwork and retrieve data with interactive, customisable machine inspection checklists that can be completed on the spot.... Just-In-Time.... using your tablet, iPad or smartphone. The inspection results are instantly recorded in the Machine Inspection Register. Failed inspection notices are emailed directly to your facilities manager.

Integrated Learning. Participants need to bring a laptop with Scratch 3.0 installed. Here is the link: https://scratch.mit.edu/download Maximum Number: 20

Introduction to coding using Scratch 3.0 Stage 3 - 4

Description: With the increasing popularity of laser cutters in schools, teachers are regularly asking for advice on optimising or maximising their usage. Are jobs taking too long, are there too many jobs or maybe your laser is underutilised? Rob will provide practical, best practice processes that will reduce bottlenecks and encourage more efficient use of the laser in the your classroom. As previously stated, this course will mostly benefit educators and ancillary staff who are actively using laser cutters in the classroom. No devices or software are required, though attendees may wish to take notes. Application tip sheets will be provided.

Topics covered will include:

- Own your laser (Take best advantage of your laser by understanding how it works)
- Redefining the time (Design and set out conventions to improve throughput)
- Cut it better (Proven methods for achieving improved results on commonly lasered materials)
- Can I laser it? (How to approach new or untried materials)
- Grill the presenter (The questions you always wanted to ask)

Hands On 6 hour workshop

Maximum numbers - 20. Minimum numbers - 6

Introduction to digital control

Peter Thompson - LST Group

Description: With the increasing popularity of laser cutters in schools, teachers are regularly asking for advice on optimising or maximising their usage. Are jobs taking too long, are there too many jobs or maybe your laser is underutilised? Rob will provide practical, best practice processes that will reduce bottlenecks and encourage more efficient use of the laser in the your classroom. As previously stated, this course will mostly benefit educators and ancillary staff who are actively using laser cutters in the classroom. No devices or software are required, though attendees may wish to take notes. Application tip sheets will be provided.

Topics covered will include:

- Own your laser (Take best advantage of your laser by understanding how it works)
- Redefining the time (Design and set out conventions to improve throughput)
- Cut it better (Proven methods for achieving improved results on commonly lasered materials)
- Can I laser it? (How to approach new or untried materials)
- Grill the presenter (The questions you always wanted to ask)

Hands On 6 hour workshop

Maximum numbers - 20. Minimum numbers - 6

Teach code into schools

Ruth Thompson - LST Group

Description: With the increasing popularity of laser cutters in schools, teachers are regularly asking for advice on optimising or maximising their usage. Are jobs taking too long, are there too many jobs or maybe your laser is underutilised? Rob will provide practical, best practice processes that will reduce bottlenecks and encourage more efficient use of the laser in the your classroom. As previously stated, this course will mostly benefit educators and ancillary staff who are actively using laser cutters in the classroom. No devices or software are required, though attendees may wish to take notes. Application tip sheets will be provided.

Topics covered will include:

- Own your laser (Take best advantage of your laser by understanding how it works)
- Redefining the time (Design and set out conventions to improve throughput)
- Cut it better (Proven methods for achieving improved results on commonly lasered materials)
- Can I laser it? (How to approach new or untried materials)
- Grill the presenter (The questions you always wanted to ask)

Hands On 6 hour workshop

Maximum numbers - 20. Minimum numbers - 6

River Pours - with Recycled timber

Drive Marine Services - Dave Giddings

Description: Heaps of Tips & Tricks for achieve good results filling holes, pouring Rivers and high gloss finishes.

Properties of different types of Epoxies & Polyurethanes and why some are safer to use than others.

A safer way to Work using Bote Cote and other modern technology Epoxies & polyurethanes we will be playing with.

A positive attitude. Do not need previous Wood Working Skills.

Additional Cost: $150.00 per teacher including GST. Includes a 1.5 Ltr LuciClear casting Kit, 500ml Pour On Gloss Kit, Bote Cote Boat Building Book.

Skill Level: A positive attitude. Do not need previous Wood Working Skills.

Minimum - 4 Teachers Maximum 10

Workshop duration: 6 hours. Ideal for Wednesday Session.

Conducted by: Dave Giddings of DRIVE Marine Services.

Pour On Gloss Kit, Bote Cote Boat Building Book.