

Design and Technology:- The Human Element

Thursday

8:00 - 8:45AM Sign in - mingle with trade displays

8:45 - 9:00 Welcome & Formalities

	70 minute session							Double session 140 minutes					
	Session 1.1	Session 1.2	Session 1.3	Session 1.4	Session 1.5	Session 1.6	Session 1.7	Session 1.8	Session 1.9	Session 1.10	Session 1.11	Session 1.12	Session 1.13
9:00 - 10:15 Session 1	QCAA - New Syllabuses Engineering & Aerospace	Design Industry - How it affects teachers/Teaching	QUT STEM High School Engagement	OnGuardAC EPro and your hand held device	Formula High School - Practical build LeMans Prototype	Gilking - 3D Printing	Drones in education	Robot Hack with Questacon	Generate Vector Lines from an Image to use for 3D Printed, CNC and Laser Cut Projects with Adobe Illustrator	DesignAbility - STEM projects on the Power Anchor	Edubotics Scratch Arduino	KitStop - Build your own Boom Box	Hands-on metalworking sessions using the genuine British Metalcraft range of tools.
Presenters	Brad Walmsley	Rashan Senanayake	Matthew Brooks	Deborah Jones	Grieg Frankham	Peter Bate	Mark Cocquio	Edith Aloise King	Phillip Tallents	Merrick Russel	Tony Grudzinski	John Perrin	Greg Cowie

10:15 - 10:45 Morning Tea

10:45 - 11:30 Key note - Andrew Scott - QUT Lecturer in Design

	Session 2.1	Session 2.2	Session 2.3	Session 2.4	Session 2.5	Session 2.6	Continuation of session 1					
	11:30-12:45 Session 2	QCAA New Syllabus Design	Trotec Laser - The benefits of Lasers in Education and how your school can benefit.	STEAM Education "The CUBE" Middle School Projects	Design Graphics	Formula School - Paper work / software and how it relates to VET or SAS	Gilking - 3D Printing 0	Robot Hack with Questacon	Generate Vector Lines from an Image to use for 3D Printed, CNC and Laser Cut Projects with Adobe Illustrator	DesignAbility - STEM projects on the Power Anchor	Edubotics Scratch Arduino	KitStop - Build your own Boom Box
Presenters	Roy Barnes	Michael Williamson	Leighann Ness Wilson	Lorinda Stiles	Grieg Fankham	Peter Bate	Edith Aloise King	Phillip Tallents	Merrick Russel	Tony Grudzinski	John Perrin	Greg Cowie

12:45 - 1:30 Lunch - mingle with trade displays

	Session 3.1	Session 3.2	Session 3.3	Session 3.4	Session 3.5	Session 3.6	Session 3.7	Session 3.8	Session 3.9	Session 3.10	Session 3.11	Session 3.12	Session 3.13
1:30 - 2:45 Session 3	QCAA New Syllabuses E & A	Design Industry - How it affects teachers/Teaching	QUT STEM High School Engagement	OnGuardACE Pro and Your hand held device	Formula High School - Practical build LeMans Prototype	Gilking - 3D Printing	Drones in education	Robot Hack with Questacon	Use Breadboard based electronics to teach Coding with Alpha Code, Assembly, and C	DesignAbility - STEM projects on the Power Anchor	Edubotics 3D Printing	KitStop - Build your own Boom Box	Hands-on metalworking sessions using the genuine British Metalcraft range of tools.
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	Session 4.1	Session 4.2	Session 4.3	Session 4.4	Session 4.5	Session 4.6	Continuation of session 3						
2:45 - 4:00 Session 4	QCAA New Syllabus - Design	Macrosphere - MakerBot in the 3D classroom.	STEAM Education "The CUBE" Middle School Projects	Wombat Warriors 4X4 in schools World Champions	Formula School - Paper work / software and how it relates to VET or SAS	Gilking - 3D Printing	Robot Hack with Questacon	Use Breadboard based electronics to teach Coding with Alpha Code, Assembly, and C	DesignAbility - STEM projects on the Power Anchor	Edubotics 3D Printing	KitStop - Build your own Boom Box	Hands-on metalworking sessions using the genuine British Metalcraft range of tools.	
Presenters	Roy Barnes	Kelly Price	Leighann Ness Wilson	Corey Gieskens	Grieg Fankham	Peter Bate	Edith Aloise King	Philip Tallents	Merrick Russel	Tony Grudzinski	John Perrin	Greg Cowie	

4:00 - 5:00 Mingle with trade displays - Drinks and Raffle draw

**6:30 - 10:30 Dinner - Presentation – Wombat Warriors
Location - The lake room**

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9:30 - 10:45 Session 1	Wombat Warriors 4X4 in schools World Champions	Design Industry - How it affects teachers/Teaching	Macrosphere - MakerBot in the 3D classroom.	OnGuardACE Pro and Your hand held device	Formula High School - Practical build LeMans Prototype	Gilking - 3D Printing	Drones in education	Robot Hack with Questacon	Designing and making a Desk Lamp Project with Electronics, 3D Modelling and a Laser Cutter	DesignAbility - STEM projects on the Power Anchor	Edubotics - Scratch Arduino Robotics and Coding	KitStop - Build your own Boom Box	Hands-on metalworking sessions using the genuine British Metalcraft range of tools.
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10:45 - 11:15 Morning Tea

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11:15-12:30 Session 2	Wombat Warriors 4X4 in schools World Champions	National curriculum made easy.	Trotec Laser - The benefits of Lasers in Education and how your school can benefit.	Design Graphics	Formula School - Paper work / software and how it relates to VET or SAS	Gilking - 3D Printing	Robot Hack with Questacon	Designing and making a Desk Lamp Project with Electronics, 3D Modelling and a Laser Cutter	DesignAbility - STEM projects on the Power Anchor	Edubotics - Scratch Arduino Robotics and Coding	KitStop - Build your own Boom Box	Hands-on metalworking sessions using the genuine British Metalcraft range of tools.	
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	Session 3.1	Session 2.2
1:00 - 2:15 Session 3	Preparing for Design	Gateway Schools to the Manufacturing and Engineering industries.
Presenters	Zac Cunningham	Jules McMurtrie

2:15 - 3:00 Raffle Draw and open session planning/direction / panel question and answer