

# Models of Engaged Learning and Teaching

# MELT

## Workshop

Victorian universities, 1 December 2016



**RSD Research Skill Development Framework**

Facet	Prescribed Researching	Directed Researching	Guided Researching	Open-ended Researching	Unbounded Researching
<b>Facet 1: Problem Solving</b>	Highly structured direction and scaffolding in research problem	Structure set by and limited to research problem	Structure provided in research problem	Structure limited to research problem	Structure determined by student
<b>Facet 2: Critical Thinking</b>	Students respond to questions	Students respond to questions	Students respond to questions	Students respond to questions	Students respond to questions
<b>Facet 3: School Education</b>	Students respond to questions	Students respond to questions	Students respond to questions	Students respond to questions	Students respond to questions
<b>Facet 4: Problem Solving</b>	Students respond to questions	Students respond to questions	Students respond to questions	Students respond to questions	Students respond to questions
<b>Facet 5: Critical Thinking</b>	Students respond to questions	Students respond to questions	Students respond to questions	Students respond to questions	Students respond to questions
<b>Facet 6: School Education</b>	Students respond to questions	Students respond to questions	Students respond to questions	Students respond to questions	Students respond to questions

### Researcher Skills

Table 1: Researcher Skills Development Framework, 2016

Level	Level 1	Level 2	Level 3	Level 4	Level 5
Researcher Skills	...	...	...	...	...

### Work Skills

Table 2: Work Skills Development Framework, 2016

Level	Level 1	Level 2	Level 3	Level 4	Level 5
Work Skills	...	...	...	...	...

### Clinical Reflection

Table 3: Clinical Reflection Development Framework, 2016

Level	Level 1	Level 2	Level 3	Level 4	Level 5
Clinical Reflection	...	...	...	...	...



Problem Solving



Critical Thinking



School Education

Your MELT

Your Context

The different adaptations of the RSD that comprise the MELT

Would you like graduates of your programs to have developed deep understandings of subject matter *and* a research or problem solving mindset?

Do you want to foreground critical thinking and use technology to support its development, not have technology drive the agenda?

How can you help students to connect together the skills associated with problem solving, critical thinking, clinical reasoning and researching in ways that enable these skills to mutually reinforce across multiple semesters of a degree?

This workshop will help you address these questions and produce a draft MELT that suits your context. The idea of MELT comes from academics, tutors and librarians who have collaborated and adapted the six facets of Research Skill Development (RSD) framework to suit a range of contexts and in ways we didn't expect. Multiple uses of the MELT with context-appropriate terminology provides various opportunities for these facets to become student *thinking routines* that develop researching, critical thinking and problem solving mindsets by graduation. This workshop provides you with collaborative time to learn about others' models and adapt these so that you can MELT and mould your course or learning context:

- 🔥 learning sessions in lecture theatres, tutorials, labs, library, field, & online
- 🔥 formative and summative assessment for feedback within & between subjects
- 🔥 individual subjects or across degrees, face to face, fully online & blended
- 🔥 undergraduate, coursework Masters, research degrees & foundations.

Workshop 1st December 2016, 10.00am - 4.00pm, Monash University, Clayton: Matheson Library T1/T2. Registration and coffee from 10.00 am.

**Part A 10.30-12.30:** Learn about or retune your understanding of the six facets of thinking in the MELT and collaboratively adapt these to your teaching context.

Lunch 12.30- 1.30

**Part B 1.30- 4.00:** Use your adapted version of MELT to plan specific learning and assessment activities.

**Facilitator** [Dr John Willison](#), University of Adelaide, National Senior Teaching Fellow.

**Registration** <http://tiny.cc/w5shgy> by COB 28 November.

**More details** [www.rsd.edu.au](http://www.rsd.edu.au) or email [john.willison@adelaide.edu.au](mailto:john.willison@adelaide.edu.au)

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