



Master Class

5–10 January 2020

Program

Sunday 5 January	Monday 6 January	Tuesday 7 January	Wednesday 8 January	Thursday 9 January	Friday 10 January
	6.30-8.00 Breakfast	6.30-8.00 Breakfast	6.30-8.00 Breakfast	6.30-8.00 Breakfast	6.30-8.00 Breakfast
	8.30 Why Quantum? An introduction to why quantum science is so important	8.30 Introduce task briefs Including prior examples and a short outline of the expectations	8.30 Research check in	8.30 Research presentation 4	8.30 Research check-in
	9.30 Quantum Fundamentals What do we mean by quantum science?	8.40 Research Presentation 1	9.00 Lab session ANU College of Engineering and Computer Science	9.00 Research Presentation 5	9.00 Research to resource presentations (wave 3) Small groups present the resources they have developed
		9.10 Research Presentation 2		9.30 Research Presentation 6	Feedback and modification
		9.40 Research Presentation 3			
	10.30 Morning Tea	10.30 Morning Tea	11.00 Morning Tea	10.30 Morning Tea	10.30 Morning Tea
	11.00 Quantum Fundamentals What do we mean by quantum science?	11.00 Breakouts with researchers Work in small groups to dive deeper into an aspect of the research and explore possible links to the curriculum	11.20 Research to resource presentations (wave 1) Small groups present the resources they have developed. Feedback and modification	11.00 Breakouts with Researchers Work in small groups to dive deeper into an aspect of the research and explore possible links to the curriculum	11.00 Research to resource presentations (wave 4) Small groups present the resources they have developed
	12.30 Lunch	12.30 Lunch	12.30 Lunch	12.30 Lunch	Feedback and modification
	13.30 Developing quantum through inquiry Reframing diffraction and the double slit experiment, the photoelectric effect and more	13.30 Quantum Research Laboratory tour at ANU	13.30 The simplest Quanta Reducing complex information to something easy to understand	13.00 Quantum in Junior High School Hands-on activities	12.00 Reflection and wrap up
14.00 Registration and check in Bruce Hall		14.00 Turning Research into resources Work in small groups to turn research into materials for the classroom	14.30 Research to resource presentations (wave 2) Small groups present the resources they have developed	14.00 Turning Research into Resources Work in small groups to turn research into materials for the classroom	13.00 Bus to Celebratory Lunch - Ostani, The Realm Hotel
17.30 Icebreaker activities	17.00 Walk to Bruce Hall	17.00 Finish and walk back to Bruce Hall	Feedback and modification	16.30 Finish and walk to Bruce Hall	13.30 Celebratory Lunch - Ostani, The Realm Hotel
18.00 Welcome to Canberra	17.45 Bus to Questacon	17.15 Free time	16.30 Bus to Mt Stromlo	18.00 Bus to official dinner at The Realm Hotel	
18.30 Informal Pizza Dinner Bruce Hall	18.10 Dinner at Questacon and Q by night experience	19.00 Trivia Night and dinner Bruce Hall	17.00 Presentation by Ben Greene - Space Environment Management	18.30 Official Dinner - The Realm Hotel	
			18.30 BBQ Dinner		
Free Time			20.00 Lecture by Dr Brad Tucker - Astronomy		
	21.30 Bus to ANU		21.30 Bus to ANU	22.00 Bus to ANU/CBD	16.00 Buses to airport and ANU