Note: Tuesday 12th November: 7pm Wellington Museum, Queen's Wharf for an informal meeting and look around.

Time and	Rooming	TTR / MC Foyer	MCLT103 (340)	TTRLT1 (232)	AM102 + AM104 (84)	AM101 (42)	AM103 (42)	LB115 (Lab)	AMLT105 (42)
Wednesday 13th	7:45 - 8:25	Registrations							
November	8:30 - 9:00		Mihi Whakatau / Welcome						
Morning	9:00 - 10.00		Keynote Nicola Nelson						
	10:00 - 10:30	Morning Tea							
	10:35 - 11:35		Secondary Keynote: A damaged Earth but not a broken one: The case for urgent optimism with no room for complacency By Dave Lowe	Secondary Keynote: Harnessing the power of the immune system. By Kjesten Wigg <i>Followed by</i> Anne La Flamme with Thrown in the deep end: 100-level immunology.					
	11:40 - 12:55		Workshop 2 From Gondwanan origins to poster children of dispersal: demystifying the new Level One Kiwi Genetics standard (CB1.3) by Nic Rawlence	Workshop 7 Communicating chemistry concepts in senior chemistry By Suzanne Boniface <i>Followed by:</i> A simple, safe and affordable electrochemical synthesis of gold nanoparticles By Anna Garden	Workshop 3 Rongoā Māori - How to engage in Mātauranga Māori By Madeleine Gray.	Workshop 4 SPC Chemistry - An Alternative Year 11 Course by Jane Spenceley <i>Followed by:</i> Making the impossible possible: Bringing the Level 1 Science standards to life by Nikki Conyers, Sabina Reed and Kara Ross.	Workshop 5 Science for Beginning Teachers Workshop by Steve Rhodes	Lab Pacific H ₂ O: A choose-your-own-ad venture lab and lesson module By Matthew Cowan and Chistina Howat.	Workshop 1 Atmospheric Chemistry – why our atmosphere is such an amazing place. By Dave Lowe
Time and	Rooming	TTR / MC Foyer	MCLT103 (340)	TTRLT1 (232)	AM102 + AM104 (84)	AM101 (42)	AM103 (42)	TTR201 (Lab)	AMLT105 (42)
Wednesday 13th	12:55 - 1:55	Lunch							
November Afternoon	2:00 - 3:15		Workshop 1 Fluorescent Rocks and Minerals: A (hopefully) Illuminating Talk by Martyn Coles, <i>Followed by:</i>	Workshop 4 L1 Project Science course / STEM Science course by Richie Maxwell Followed by	Workshop 2 Matauranga Maori Sara Belcher (VUW)	Workshop 7 Bringing climate literacy and the Planetary Boundaries framework into your classroom. By Peter Mahaffy	Workshop 5 The best of both worlds: using LearnWell's Learning Guides to enhance your teaching By Sue Mulrennan.	Lab BioEdBlitz: Engaging and Empowering Biology Educators By Jan Szydlowski.	Workshop 3 Science 1.2: Investigations "What can influence Hauora in teenagers?" Margy Gilpin and

		Magforming Chemistry for A Sustainable Future by Luke Liu	Digital technology in Junior Science (Biology) by Liz Evans				Alice Drummond <i>Followed by:</i> Matauranga Maori Sci 1.2 Bio, NoS. by Gerd Banke and Glenis Paul,
3:15 3:45	Afternoon Tea						
3.45 4.30	BEANZ Forum	BEANZ would like to in short me					
4:30 5:30	BEANZ Exec Meeting						
6:30 7:00	The sciPAD Quiz Night at the Hunter Lounge						

Time and	I Rooming	TTR / MC Foyer	MCLT103 (340)	TTRLT1 (232)	AM102 + AM104 (84)	ам101 / TTR201 (Lab) (42)	AM103 (42)	Lab	AMLT105
Thursday 14th	7:30 - 8:30	BEANZ Breakfast for Region Reps							
November	8:30 - 9:00		Start / NZIC present to Sarah Gaze						
Morning	9:00 - 10.00		Keynote Peter Mahaffy						
	10:00 - 10:30	Morning Tea							
	10:35 - 11:35		Secondary Keynote: Martyn Reynolds 'How do we best support Pacific students in science?"	Secondary Keynote: Podocarp Restoration at Makara Peak by Simon Kennett <i>Followed by:</i> New Technologies to Deliver Chemistry: Tapping into Nature's Tools by Emily Parker					
	11:40 - 12:55		. Workshop 7 Running a Chemistry Scholarship program by Ian Torrie	Workshop 2 Liz Evans 30 mins "Bio" standard - Predator Control Level 1 (Level 1 - 1.2) <i>Followed by</i> A 'Genetics First' approach to support	Workshop 5 NZQA National Assessment Advisor - hosting a Level 1 standards workshop by TBC	TTR201 (Lab) Supporting gifted and talented students with the Biology Olympiad programme By Angela Sharples	Workshop 3 Bridgit Hawkins Presentation on Encouraging young women to be involved in science and amazing science based careers that are available in the	Lab 6 Materials science research @ MacDiarmid Institute for Advanced Materials and Nanotechnology by Anna Garden.	Workshop 1 What are Pacific parents' aspirations? What can we do to meet them? Q+A By Martyn Reynolds.

				the teaching of CB1.3 By Jennie Merchant and co.			Agritech sphere'		
Time and	Rooming	TTR / MC Foyer							
Thursday 14th	12:55 - 1:55	Lunch							
November Afternoon	2:00 - 4:30(ish)	Field (Note:	Trips around Well Some bus' will leave fro	ington m 1:15)	VUW STAR Tour - Science, Technology, Reptile and Art	Brewbar	NIWA	Zealandia	Wellington Choc Factory
						Gillies McIndoe	Ferrier	Wellington Zoo	Callaghan Innovation
						Worser Bay Moanamana			
	3:15 - 3:45	Afternoon Tea							
	3.45 - 4.30								
	6:00 - late		Blac	k and Golds Co	onference Dinner on the waterfront.				

Time and	Rooming	TTR / MC Foyer	MCLT103 (340)	TTRLT1 (232)	AM102 + AM104 (84)	AM101 (42)	AM103 (42)	
Friday 15th	9:00 - 9:15		Start / notices					
November	9:15 - 10:15		Keynote Ian Shaw					
Morning	10:15 - 11:15	Morning Tea	SCENZ forum / AGM Chemists collect morning tea and head back					
	11:15 - 12:30		Workshop 1 What is systems thinking? How can I use it in my classroom to connect core science concepts to Sustainability? By Peter Mahaffy	Workshop 3 Unraveling the Concepts of Transgenesis: Making Complexities Accessible to Students By Wilda Laux, teacher	Workshop 6 Preparing for year 2 of Level 1 NCEA By Linda Haycock	Workshop 4 Using teachers' personal ecologies to support all gifted learners in Biology by Nicholas Bryant	Workshop 5 BIOZONE: beyond workbooks By Sarah Gaze	lr Z tł
	12:30 -		Closing					

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Workshop 2 Exploring & Validating Soil and Plant Interactions in Agricultural Systems by Findal Proebst

Followed by Zincovery's ambition is to decarbonize the zinc recycling industry by Leatham Landon-Lane Zincovery

1:00	
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