	Registration: Horizons in STEM Higher Education Thursday 30th June			
9:00-9:45	Registration: Horizons in STEM Higher Education Thursday 30th June			
9:45-10:00	Welcome and Introduction- Sean Ryan (HEA)/local organising committee - Gilbert Murray Hall			
10:00-11:00	Plenary - Gilbert Murray Hall			
11:00-11:20	Break			
	Biological Sciences - Saxby Room	**Enhancing the student experience: Technology Enhanced Learning - Brooksby Room**	**Students as partners in teaching and research - Mowsley Room**	**Enhancing the student experience: developing employability - Hoby Room**
	Chair - Kath Clark	Chair - Alan Cann	Chair - Nicola Suter-Giorgini	Chair - Derek Raine
11:20-11:40	As Seen on TV: Using broadcast media in teaching (an example from the biosciences). Chris Willmott*	Clicker response timings and their association with grades. James Denholm-Price, Suzan Orwell and Peter Soan	The Educational Values of Student generated Videos Chris Cane	The opportunities and challenges for employability-related support in STEM degrees. Simon O'Leary*
11:40-12:00	Development of new resources for teaching meiosis by identifying common misconceptions. Asriah Mardiyyaningsih* and Chris Cane	Interactive Statistics for a large student cohort. Rachel Hilliam and Carol Calvert	Intrinsic motivation to engage with an extracurricular staff: student nutrition project; the learnings from both perspectives, and their potential application. Hilda Mulrooney and Jake Bell	Understanding student motivations and career aspirations so that we can effectively support our graduates. Nigel Page, Emma Steeds, Louise Carey, Evelyn Siaw, Kelly Gurnett, Lydia Ait Belkacem and Baljit Ghatora
12:00-12:20	Whatever happened to OERs?: The Virtual Genetics Education Centre. Mark Goodwin	Can electronically-marked interactive quizzes enhance student engagement and achievement? Frances Chetwynd and Chris Dobbyn	Undergraduate e-Journals. Cheryl Hurkett, Mervyn Roy and Graham Wynn	Skills electives – embedding employability at the heart of a degree programme. Graham Wynn and Mervyn Roy
12:20-12.40	Flipping the bioscience classroom: online lectures and in-class problem solving. James McEvoy	Case-study teaching on iPads – facilitating student learning and engagement. Cristina De Matteis and Helen Boardman	Is there a correlation between correctness and confidence in conceptual questions? Simon Lancaster and Dennis Cook	Student & Staff Perceptions of Transferable & Workplace Skills Development in Chemistry Degree Programmes. Dylan Williams and Sandeep Handa
12:40-13:30	Lunch			

	Horzons in STEM Higher Education Conference : Thursday Afternoon Sessions			
	Enhancing the student experience: practical work - Saxby Room	**Workshop & Computer Science - Brooksby Room**	**Students as Partners in Teaching and Research - Mowsley Room**	**Enhancing the student experience: curriculum and learning environment development - Hoby Room**
	Chair - Cas Kramer	**Chair - Chris Willmott**	**Chair - Mark Goodwin**	**Chair - Chris Cane**
13:30-14:30	WS :OpenSTEM Labs: From "hands-on" to "hands-online". Nicholas Braithwaite, Tim Drysdale, James Smith and Kevin Gowans	WS:Exploring citizen science and STEM learning through iSpotnature.org. Janice Ansine and Will Woods	WS: Exploring undergraduate student perceptions of health and infection; an interdisciplinary experiential staff-student project. Alison Kelly, Hilda Mulrooney, Jake Bell, Alex Boorman, Abdul Fatah Abdul Yekeen, Ricarda Streich, Christopher John Hancock and Emily Kelly	WS:The 'just-ness' of our teaching practice in HE STEM: issues of normative practice, social justice and inclusion. Annie Hughes and Nona McDuff
14:30-14:50	Do students value online practical science modules? Victoria Nicholas	Exploring Resilience Through Development of a Self-Efficacy Instrument for First Year Computing Students. Jyoti Bhardwaj	Evaluation of a STEM summer undergraduate research internship scheme- variations between disciplines Neil Williams, Asim Thapa, Humma Hussain and Pinali Manojkumar	Flexibility in Computer Science education Neil Gordon
14:50-15:10	Evaluation of online experiments for teaching practical STEM subjects outside a conventional laboratory Marcus Bordeur, Ulrich Kolb, Shailey Minocha and Nicholas Braithwaite	Moving from programming in a visual environment to using Java and Python – an investigation. Frances Chetwynd, Helen Jefferis and Fiona Aiken	Broad Vision: A model of students as partners in Interdisciplinary research and collaborative learning. Mark Clements	The Personalised Curriculum. Derek Raine and Sarah Gretton
15:10-16:00	**Break/poster session**			
	Workshop - Saxby Room	**Computer Science theme - Brooksby Room**	**Enhancing the student experience: group work - Mowsley Room**	**Enhancing the student experience: career preparation - Hoby Room**
	No Chair Required	**Chair - Alan Cann**	**Chair - Cheryl Hurkett**	**Chair - Sarah Gretton**
16:00-16:20	Using GradeMark to Improve Feedback and Engage Students in the Marking Process. Alison Graham and Sara Marsham	Games, Learning and Engagement: What Teachers might learn from Games Designers. Simon Grey	Investigating student perception of online collaborative group work. Victoria Nicholas, Nick Braithwaite, Sarah Chyriwsky, Dave Edwards and Mark Hirst	A Decade of CABS: Reflections on the first 10 years of the Careers After Biological Sciences programme. Chris Willmott*
16:20-16:40		Teaching programming and data analysis with a MOOC. Michel Wermelinger and Tony Hirst	Can group assessments enhance BME attainment? Natasha Hill, James Denholm-Price, Nigel Page, Nigel Atkins, Luis Tojal Dourado, Cass Forty and Owuraku Nimoh	Supporting student transitions to placement and work: developing a new self-identity. Gemma Webster, Sally Smith and Colin Smith
16:40-17:00		Listening to the tutor voice: teaching web technologies. Christopher Douce	Evaluating assessment strategies for online group work Helen Donelan and Karen Kear	Meeting their expectations: engaging with the motivations and intentions of bioscience students. Mark Goodwin
19:00	**Conference Dinner**			

9:00-9:30	**Horizons in STEM Higher Education Registration Friday 1st July**			
	Students as partners in teaching and research - Saxby Room	**Enhancing the student experience: graduate competencies and attributes - Brooksby Room**	**Enhancing the student experience: skills development - Mowsley Room**	**Enhancing the student experience: pedagogy - Hoby Room**
	Chair - Dylan Williams	**Chair - tbc**	**Chair - Luka Wright**	**Chair - tbc**
9:30-9:50	Building capability in self-assessment: exploring the use of online tests with research report exemplars Shane Lindsay*, Ellie Hemingway and Stuart McGugan	Where am I now and where do I want to be? Developing awareness of graduate attributes in pre-honours students. Maxine Swingler, Heather Cleland-Woods, Archie Roy, Sarah Armour, Gordon Curry, Jason Bohan and Louisa Kuehme	Development of digital information literacy skills through student-generated content and online collaboration Eleanor Crabb, Simon Collinson, Nicholas Chatterton, Rob Janes, Jane Loughlin and Mark Hirst	Feedback for Future Learning: Delivering Enhancements and Evidencing Impacts on the Student Learning Experience Kevan Gartland, Melanie Armstrong, Lesley McAleavy, Jamie McDermott and Angela Shapiro
9:50-10:10	Nutrition Tea Club; engaging students in reading scientific papers. Hilda Mulrooney, Rania Hamdi, Aisha Idowu and Ellie Cameron	Concepts of Competence in Forensic Science Mark Fowler, Leisa Nichols-Drew, Emma Johnston, Richard Brawn and Suhaima Yusuf	Encouraging students' personal reflection through online progress files. Ros Porter* and Jeff Waldock	Evaluation of first year genetics content and teaching using a concept-based approach Nicola Suter-Giorgini* and Cas Kramer
10:10=10:30	Connecting Undergraduate Students as Partners in Computer Science Teaching and Research. Mike Brayshaw, Neil Gordon and Nina Dethlefs	The use of 'real world' teaching to promote core graduate attributes. Peter Garside, Annie Hughes, Deborah Anderson and Mark Coombs	Maths Advice and Revision for Chemistry (MARC) Beth Paschke and Shazia Ahmed*	A pedagogy for multiple-audience writing in STEM disciplines: When research and pedagogy meet. Julio Gimenez and Ernesto Roque Gutierrez.
10:30-10:50	Does educational background and gender of pharmacy undergraduate students affect their views of group work? Navkiran Rehan, Helen Boardman, Cristina De Matteis and Stephanie Bridges	A longitudinal study of student perceptions of the development of their skills and attributes; lessons for curriculum design. Peter Lumsden	Understanding the process by which students manage their employability. Aysha Divan* and Stephanie Mcburney*	Toward Criticality in Activity Led Learning; A Phenomenological Study of Student Communities of Inquiry. Hal Igarashi
10:50-11:20	**Break**			
	workshop	**workshop**	**workshop**	
11:20-12:20		WS:Exploring question-feedback models in online assessment resources Sue Milne, Niall Barr, Mary McVey, David Morrison-Love and Jon Trinder	WS: Collective purpose and collective responsibility in developing new STEM learning environments Lucy Jones*	
12:20-13:30	**Lunch**			

	Enhancing the Student Experience: monitoring and evaluation - Shearsby Room	Enhancing the student experience: collaboration - Mowsley and Hoby Room	Enhancing the student experience : supporting students - Saxby Room
13:30-14:30	**Plenary**		
	Chair - Sarah Gretton	**Chair - Dylan Williams**	**Chair - Cheryl Hurkett**
14:30-14:50	The BME attainment gap in STEM subjects at Kingston University Nigel Ling and Kavneet Chaggar	Bring Back Pen Pals: International Group Work for Sustainable Development Katherine Haxton and Richard Darton	Associate lecturer perspectives on supporting students through tuition in groups Ann Walshe, Anne-Marie Gallen, Anne Campbell and Mark Jones
14:50-15:10	A student monitoring and remedial action system for improving retention on computer science programmes Stewart Green and Nick Plant	Collaborative Learning Across the Forensic Science and Paramedic Science Degrees Baljit Ghatora, Layla Renshaw, David Doran and Lisa Burrell	A comparative and action research based approach to developing new resources for teaching Chemistry in the UK and Indonesia Erlina Erlina, Dylan Williams and Chris Cane
15:10-15:40	Visualising Student Progress: identifying patterns in the behaviour of students learning databases. Andrew Cumming	Making the most of university campuses for teaching ecology Karen Bacon	
15:40	**Closing Remarks**		