

Horizons in STEM Higher Education Conference: Wednesday 1st July				
13:00-13:05	Welcome and Introduction: Katharine Reid (University of Nottingham)			
13:05-13:40	Plenary Lecture: Digital Exams: Transforming Assessment Mariann Rand-Weaver (Brunel University London)			
13:40-13:45	Move to breakout session			
13:45-14:45	<b>Equality Diversity and inclusion (RB)</b>	<b>Laboratory Work (DB)</b>	<b>TEL (TC)</b>	<b>Active Learning (SG)</b>
13:45	Surviving the Viva Voce Experience: the Positive Impact of Learning Support for Physics Project Assessment	The use of video tutorial vs laboratory simulation in preparation for Biosciences practicals – a comparison of student learning and preference.	Employing videos in teaching laboratory skills and the associated student experience	Designing a flipped learning model in a computing course to facilitate students' self-regulation
	Katherine Inskip	Joanne Gough, Abigail Faulkner and Lucy Askins	Gianpiero Calabrese, Amr Elshaer and Julianne Olagunju	Irene Renaud-Assemat and Rebecca Selwyn
14:05	Enabling inclusive group work	Enhancing student's lab-based learning experience through extensive training of demonstrators	Investigating the benefits of cross reality (XR) technology in Inquiry Based Science Education (IBSE) in Scottish Secondary Schools	Evaluating the effectiveness of flipped learning in an introductory mathematics module for chemists
	Anne-Marie Gallen and Elaine McPherson	Raheela Awais and Elliott Stollar	Iona Crossan and Margaret Cunningham	Oscar Siles Brügge and Laura Grant
14:25	Personal Tutor Vs Personal Tutees Expectations: Are We Reading off The Same Page?	OpenSTEM Labs: enhancing collaboration between HE and FE in SE Wales; enriching the FE STEM curriculum	Using remote laboratory experiments to develop learning outcomes in engineering practice.	Explorative Research into Learning Team Health and Performance
	Baljit Thatti and Nicholas Freestone	Stephen Jones	Helen Lockett	Steve Cayzer and Conall Sharkey

14:45-15:00	<b>Break</b>			
15:00-16:00	<b>Transitions and Student Support (NG)</b>	<b>TEL (PB)</b>	<b>Sustainability (NW)</b>	
15:00	Developing communication and presentation skills in a key level 1 introductory mathematics module in the Open University	Assessing Data Analysis using Screencasting Software	Sustainability: chemistry in context	
	Sally Crighton and Andrew Potter	Charlotte Clarke-Bland and Joanne Gough	John Evans	
15:20	Supporting inclusion and encouraging diversity in Chemistry-where do you see yourself?	PeerWise: an online platform for high quality peer-learning in a geographically dispersed cohort	Interdisciplinary Science and Sustainability	
	Baljit Thatti, Nicholas Freestone, Maheesh Maggo and Abigail Miller	Kyle Galloway	Derek Raine and Sarah Gretton	
15:40	Developing teaching approaches to support students in higher education	Evaluating the accessibility of an alternative format of module materials in Maths & Stats	Biology in the Blender, and other ways of democratising computer generated learning materials.	
	Siva Muppala	Chris Hughes, Chetz Colwell, John Clarke, Kaye Williams and Alison Bromley	Keith Spriggs and Vibhu Solanki	
16:00-16:05	<b>Move back to main room</b>			
16:05-16:40	<b>Plenary Lecture: Exploring the attainment gap and black student leadership Myles Smith-Thompson (Open University Students Association) &amp; Afua Acheampong (Nottingham Trent Students' Union)</b>			
	<b>End of day 1</b>			
16:45-17:15	<b>Meeting of Horizons in STEM HE Conference National Committee</b>			

**Horizons in STEM Higher Education Conference: Thursday 2nd July**

**Move to breakout session**

9:30-10:30	Student Support (CH)	TEL (DP)	EDI (JR)
09:30	Personal Tutor Scheme: students' expectations and perception	Technology for Tutorials: Using Digital Learning to Recreate the Conventional Tutorial For Distance Learners	Inspiration Leads to Aspiration: Improving Chemistry Literacy for Learners with a low Socioeconomic status
	Gianpiero Calabrese, Amr Elshaer, Debbie-Rose Dolton, Neusa Do Sacramento Menezes Da Trinidad and Ashveini Jeyabalan	James Bennett, Barbara Villa Marcos, Oscar Siles Brügge, Glenn Lees, Kyle Galloway, Jonathan McMaster and Trevor Farren	Andrea Mallaburn, Linda Seton and Victoria Brennan
09:50	Supporting mathematics and statistics students at a distance from beginning to end	Spaced Testing: using software to enhance long-term recall.	An Investigation into Science Students' Views on Decolonising the Curriculum
	Rachel Hilliam, Gaynor Arrowsmith, Alex Siddons, Derek Goldrei and Cath Brown	Arran Stirton and Alison Voice	Neil Williams and Audrey Benjamin
10:10	How Do Mathematics Students Get Motivated to Learn Computer Programming?	"Blended Tutorials" – Blended Synchronous Learning in Mathematics	'It's our campus': exploring student perceptions of physical space on campus
	Chunhua Yang	Andrew Potter and Colin Blundell	Hilda Mulrooney and Alison Kelly
10:30-10:50		The Role of Web Broadcasts to Develop Online Learning Communities in STEM Modules: a multiple case study	
		Venetia Brown, Trevor Collins and Nicholas Braithwaite	
10:50-11:05	<b>Break</b>		

11:05-12:05	Assessment and TEL (SS)	Student Support (AP)	Active Learning (DR)
11:05	Assignment Extensions: How are they used and what is their impact on student success?	Comparing belonging across institutions	Developing an effective blended learning Interprofessional learning environment for Pharmacy and Dietetic students
	Catherine Halliwell and Cath Brown	Rebecca Barnes, Hilda Mulrooney and Alison Kelly	Nerissa Walker and Stephanie Bridges
11:25	Getting real about learning analytics	The effect of scheduling on optional tutorials	Social complexities and student agency in engineering design: towards real world problems?
	Steve Walker, Tom Olney and Anactoria Clarke	Susan Pawley	Mark Haw, Abdul Sharif and Ashleigh Fletcher
11:45	Can an asynchronous student conference in OpenStudio develop students' critical evaluation skills?	Developing Peer advice to Associate Lecturers to aid the effective use of indicators to help support students	Student-led curriculum innovation: Developing graduate attributes whilst supporting student learning
	Catherine Halliwell and Jenny Duckworth	Carol Calvert	Beth Paschke and Frances Docherty
12:05-12:10	<b>Move back to main room</b>		
12:10-12:25	<b>Getting Published in STEM Education: Derek Raine (University of Leicester)</b>		
12:25-13:00	<b>Plenary Lecture: Transitioning into HE: Remote, Inclusive &amp; Accessible? Rachel Bolton-King (Staffordshire University)</b>		
13:00-13:10	<b>Concluding remarks</b>		

## Session Chairs

JR	Julie Robson
SG	Sarah Gretton
NW	Neil Williams
NG	Neil Gordon
DR	Derek Raine
DP	Duncan Parker
DB	Diane Butler
SS	Sally Smith
RB	Rebecca Barnes
TR	Trevor Collins
AP	Andrew Potter
CH	Catherine Halliwell
PB	Pedro Barra