

OCR BETT 2014 – INTERACTIVE RESOURCES

STAND B129

Time	Wednesday 22 January	Thursday 23 January	Friday 24 January	Saturday 25 January
11.15am – 12.15pm	MOOC Episode: Adding 8-bit binary <i>Laura Dixon</i>	Fun with Raspberry Pi <i>Raspberry Pi Education Team</i>	Coding Music on the Raspberry Pi <i>Carrie Anne Philbin</i>	Coding Music on the Raspberry Pi <i>Carrie Anne Philbin</i>
12.15pm – 1.15pm	Cambridge University Press <i>Resources Q&A</i>	Cambridge University Press <i>Resources Q&A</i>	Cambridge University Press <i>Resources Q&A</i>	OCR's GCSE Computing and the Computer Science Suite <i>Julie Hodgson</i>
1.15pm – 2.30pm	Fun with Raspberry Pi <i>Raspberry Pi Education Team</i>	Fun with Raspberry Pi <i>Raspberry Pi Education Team</i>	MOOC Episode: Converting to Computing <i>Alistair Surrall</i>	Cambridge University Press <i>Resources Q&A</i>
2.30pm – 3.30pm	MOOC Episode: String manipulation <i>Laura Dixon</i>	Primo: A playful physical programming interface that teaches programming logic <i>Filippo Yacob, CEO Solid Labs, Creators of Primo</i>	MOOC Episode: Makey Makey <i>Chris Swan</i>	MOOC Episode: Programming <i>Chris Swan</i>
3.30pm – 4.30pm	Coding Music on the Raspberry Pi <i>Carrie Anne Philbin</i>	Cambridge University Press <i>Resources Q&A</i>	MOOC Episode: Good things come in small packets <i>Alistair Surrall</i>	OCR's GCSE Computing and the Computer Science Suite <i>Julie Hodgson</i>
4.30pm	Fun with Raspberry Pi <i>Raspberry Pi Education Team</i>	Fun with Raspberry Pi <i>Raspberry Pi Education Team</i>	zondle Gaming <i>Ben Barton</i>	
5.00pm			Fun with Raspberry Pi <i>Raspberry Pi Education Team</i>	

See overleaf for the details of the sessions.

Session	Description	Presenter	Synopsis
Fun with Raspberry Pi		<i>Raspberry Pi Education Team</i>	The Raspberry Pi Education team will be running hands on sessions showing how the Raspberry Pi can be used for teaching and learning.
Coding Music on the Raspberry Pi	Text based programming for KS2/3 using music on the Raspberry Pi	<i>Carrie Anne Philbin</i> Education Pioneer, Raspberry Pi Foundation	Teaching computing concepts made easy using Sonic Pi, a text-based programming language that outputs sounds. Suitable for KS2 and 3 on the new Computing Programme of Study. Free scheme of work available.
MOOC Episode: Adding 8-bit binary	Try out adding up 8-bit binary numbers	<i>Laura Dixon</i> Head of Computing and ICT at the Royal High School, Bath	Students need to know how to add up binary numbers and what to do if there is an overflow error. Try it out for yourself and find out why 1 + 1 doesn't always equal 2!
OCR's GCSE Computing and the Computer Science Suite	Overview of our GCSE and progression from Entry Level to A Level Computing	<i>Julie Hodgson</i> OCR GCSE Computing Examiner	OCR's Computing specialists present features and highlights of our GCSE in Computing – and progression in Computer Science from KS3 – 5 with our Entry Level and A Level qualifications.
MOOC Episode: Converting to Computing	Recapping information from MOOC videos on binary and hexadecimal	<i>Alistair Surrall</i> Head of Computer Science & New Technologies, The Cooper School	A hands-on workshop demonstrating a simple method for converting a decimal number to hexadecimal & binary. Recaps information covered in the MOOC videos on binary and hexadecimal.
MOOC Episode: String Manipulation	How can we change string inputs to suit the needs of our program?	<i>Laura Dixon</i> Head of Computing and ICT at the Royal High School, Bath	How long is a string? Find out how you can use built in methods and functions to manipulate strings in your program. Lots of cool word games can be achieved with a bit of basic string manipulation. Come and find out how you can use them in your lesson.
MOOC Episode: Makey Makey		<i>Chris Swan</i> Head of Faculty, Technology and Enterprise Specialist Leader in Education	
MOOC Episode: Programming	Get started with Python programming	<i>Chris Swan</i> Head of Faculty, Technology and Enterprise Specialist Leader in Education	What do Brussels sprouts, jewellery and magic tricks have in common? Come and find out in this introductory programming session.
MOOC Episode: Good things come in small packets	Recapping information from MOOC videos on Packet Switching and Circuit Switching	<i>Alistair Surrall</i> Head of Computer Science & New Technologies, The Cooper School	A short, kinesthetic activity illustrating some of the methods used for transmitting files across a network. Recaps information from the MOOC videos on Packet Switching and Circuit switching.
zondle Gaming	Demo of zondle gaming on the MOOC, including a preview of the app	<i>Ben Barton</i> zondle	Ben Barton from zondle presents the world of educational gaming featuring the games that sit alongside the OCR GCSE Computing curriculum on the MOOC.
Primo: A playful physical programming interface that teaches programming logic	Demo of Primo	<i>Filippo Yacob,</i> CEO Solid Labs, Creators of Primo	Primo is a project designed to revolutionise how programming logic is introduced to children as well as Educators tasked with the challenge of guiding them through the topic, from preliterate introduction through to the command line.

See overleaf for the times for these sessions.