Primary Computing Conference 2022

This is the annual Computing Conference in Hampshire. An opportunity to hear from national speakers on the development of the computing curriculum as well as getting involved in discussions with colleagues to inform thinking and development.

Keynote presentations:

Exploring the Pedagogy of Computing
Sue Sentance - Chief Learning Officer at the Raspberry Pi Foundation, and Director of the Raspberry Pi Computing Education Research Centre at the Department of Computer Science and Technology, University of Cambridge.

Developing IT & Digital Literacy (Pitfalls & Power Ups)
Phil Bagge - Hampshire Computing Inspector/Advisor

There will be a series of workshops throughout the day including:

Preparing for an Ofsted Deep Dive in Computing
Phil Bagge - Hampshire Computing Inspector / advisor and primary school teacher.

'Tinkering with Robots in EYFS to Develop Understanding of our Technologically Diverse World'
Rachael Coultart **-** Computing Subject Leader, Stevenage St Nicholas Primary School.

Utilising Reading Progress to Support Fluency in Reading
Henry Penfold - Cornerstone Primary School.

Enhancing IT across the curriculum
Jonathan Mitchell - Winton Primary School

The Foundations of Computing Pedagogy
Emma Goto - Senior Lecturer in Primary Education, Institute of Education, Winchester University

Information Technology Research
Jon Audain - Senior Lecturer at the University of Winchester's Institute of Education

Crumble Power in KS2
Nicholas Hughes

Cyber Ambassadors
Marcia Tanyanyiwa

Date/time: 27 June 2022 09:00-15:20

Location: Winchester

Keyword Search: ***Computing Conference***

Price: Sub £180 / SLA £60 / Full £216

For booking information go to:

https://tinyurl.com/HTLCLMS

Use the course name or keyword search for this learning item in our catalogue.

Speaker Bios and Workshop information

Sue Sentance

Sue is the Chief Learning Officer at the Raspberry Pi Foundation, and Director of the Raspberry Pi Computing Education Research Centre at the Department of Computer Science and Technology, University of Cambridge.

She has developed the PRIMM model for teaching programming, which provides structure for programming lessons. She was a member of the Royal Society's Computing Education Advisory group 2016-2017. In 2017 Sue was awarded the BERA Public Engagement and Impact Award for her services to computing education.

Keynote presentation - Effective Pedagogy in Computing

Phil Bagge

Phil is a Computing Inspector/Advisor working for Hampshire Inspection & Advisory Service and CAS Computing Master Teacher. Involved at the drafting stage in creating and refining the 2014 Computing Curriculum through the BCS and CAS. He currently teaches computing science in two Hampshire schools.
A contributing author to Compute-IT KS3 Scheme of work and author of How to teach primary programming using Scratch and Crumble Creations, how to teach physical computing in primary classes. Phil is currently working on a research informed block based programming guide for teachers which might be published by the conference.

Keynote presentation

Developing IT & Digital Literacy (Pitfalls & Power Ups)

Many schools want pupils to leave with a high level of IT skills and knowledge so they can make the most of their next stage of learning. Join Phil Bagge, Hampshire

Workshop Information
Preparing for an Ofsted Deep Dive in Computing
Join Phil Bagge, Hampshire Computing Inspector / advisor and primary school teacher as he shares a method to help you plan and prepare for a deep dive in computing. The session includes questions and example answers that will help you think about how to present your learning journey in a favourable light and also help you highlight strengths and identify areas of weakness to help improve computing in your school.

Rachael Coultart

Computing Subject Leader, Apple Teacher, CAS Community Leader, Barefoot Volunteer and NCCE Associate Facilitator, Stevenage St Nicholas Primary School and Nursery.

Rachael has been teaching for over 30 years and still thinks it's the best job in the world. She teaches mainly in Early Years but dabbles in KS1 and 2 teaching Computing. She's a Computing At School Community Leader, #CASchat regular, Barefoot Volunteer, has written material for Cambridge Assessment and delivers Computing courses to teachers for the National Centre for Computing Education.

She believes that the fact there is no longer a 'technology tick box' in Development Matters or our Early Learning Goals is irrelevant to our EYFS curriculum delivery. If we want our young learners to make sense of their technologically diverse world then we need to expose them to some fundamental Computing concepts and guide their exploration of a range of technology.

Workshop - 'Tinkering with Robots in EYFS to Develop Understanding of our Technologically Diverse World'
A chance to get your hands on a selection of toys that are suitable for developing young children's understanding of algorithms and early programming concepts. We'll look at strategies for integrating them into your everyday provision and consider a possible progression of skills through EYFS.

Henry Penfold

Henry is a Year 3 teacher as well as the digital lead at Cornerstone C of E Primary. He is a MIEFellow for the South and loves to engage children using technology. On top of that Henry is a MIEExpert and MCE. He enjoys learning from fellow educators innovative ways that digital tools are used to enhance the teaching and learning in the classroom.

Workshop - Utilising Reading Progress to Support Fluency in Reading
Learn about how reading progress can support the fluency in children's reading. Gain insights through data which pinpoints areas children need to work on. Set personalised assignments which help to support children's fluency.

Jonathan Mitchell
Jonathan joined the teaching profession in 1996, having studied at Exeter University. He was a primary class teacher, ICT coordinator and phase leader for many years and has always had a passion for all things technology related. For the past 8 years, since the beginning of the 'new' computing curriculum, Jonathan has been a specialist computing teacher at Winton Primary School in Bournemouth. He is a CAS Master Teacher and NCCE facilitator and, over the years, has delivered training in schools in Bournemouth, Poole, Christchurch and Dorset. He is affiliated to the Ringwood Junior School CAS community group.

Workshop - Enhancing IT across the curriculum
The session will share some examples, from experience, of how IT can enhance learning in different areas of the curriculum. These include use of iPads and PCs, mini websites and blogs, movie making, animation and multimedia, spreadsheets, databases, coding apps, and a bit of physical computing.

Nicholas Hughes
Transformer fan, Comic Geek and Sci Fi Fan, Avid gamer, Self confessed Tech Geek, Loves a Robot, Primary School Teacher, Head of Computing, CAS Master Teacher.

Workshop - Crumble Power in KS2

Practical session – delegates to bring Chromebook with Crumble installed
Nic will be exploring how to use the Crumble control board to spice up your DT and computing in KS2.

Emma Goto
Emma Goto is a Senior Lecturer in Primary Education at the University of Winchester's Institute of Education. She spent over a decade working as a leading ICT teacher and Advanced Skills Teacher (AST) in primary schools in Hampshire before moving into higher education. Emma believes that education should make children think. We need children to develop the ability to use computational thinking and creativity to enact change. Education should provide problems that children can grapple with, applying key knowledge. It is through these experiences that we will develop problem solvers who will be able to take the lead on tackling some of the big problems of the twenty first century. These philosophies have led to Emma's real interest in computational thinking. Her other passion is around supporting teachers to get children using technology effectively to enhance their learning. As a practising teacher, Emma predominantly taught in the Early Years Foundation Stage and Key Stage One. Emma teaches on the initial teacher education programmes at the university. The modules that Emma works on link to Educational Theory and Practice, Computing, Philosophy for Children, and Early Years Education.

Workshop - The Foundations of Computing Pedagogy
This workshop will consider pedagogy and practice in computing with our youngest learners. The session will focus upon Computing in Key Stage One and the learning in the Early Years Foundation Stage that this builds upon. The session will contain practical ideas and approaches and will be based upon current research and understanding in the field of primary computing.

Jon Audain
Jon Audain is a Senior Lecturer at the Institute of Education, University of Winchester. Jon is the author and collaborator of over 20 books, chapters, peer-reviewed journal articles and papers including 'The Ultimate Guide to Using ICT Across the Curriculum (For Primary Teachers): Web, widgets, whiteboards and beyond!' (Bloomsbury) and 'Jumpstart! Apps: Creative learning, ideas and activities for ages 7-11'(Routledge). Jon is an Apple Distinguished Educator (ADE) and a member of the Promethean Advisory Council/ActivAdvocate.

He is the Chair of the Technology, Pedagogy in Education Association (TPEA), a national subject association for evidence-informed research and education technology as well as an executive board member for the Education Futures Collaboration (www.meshguides.org). He is a Founding Fellow of the Chartered College of Teaching; a Fellow of the College of Teachers and a Fellow of the Royal Society for the Encouragement of Arts, Manufactures and Commerce.

Workshop - Information Technology Research

Marcia Tanyanyiwa

Workshop Information - Cyber Ambassadors

How can schools get involved?

Hampshire
County Council