

# Preparing for the new Computing curriculum 26<sup>th</sup> February 2014

**Seminar Supported By:** 



## **CONDITIONS FOR USE OF TRANSCRIPTS:**

This document is intended to provide a timely reference for interested parties who are unable to attend the event to which it refers. Some portions are based on transcripts of proceedings and others consist of text submitted by speakers or authors, and are clearly marked as such. As such, apart from where it is indicated that the text was supplied by the speaker, it has not been possible for the transcript to be checked by speakers and so this portion of the document does not represent a formal record of proceedings. Despite best endeavours by Westminster Forum Projects and its suppliers to ensure accuracy, text based on transcription may contain errors which could alter the intended meaning of any portion of the reported content. Anyone who intends to publicly use or refer to any text based on the transcript should make clear that speakers have not had the opportunity for any corrections, or check first with the speaker in question. If in doubt please contact the forum first.

# **Contents**

About this Publication	3
<u>Agenda</u>	4
Session Chair's opening remarks Ludwig Siegele, Online Business and Finance Editor, The Economist (transcript)	6
Replacing ICT with a new Computing curriculum  John Myers, Standards Division, Department for Education (transcript)	7
Questions and comments from the floor (transcript)	9
The new Computing curriculum - equipping students with the skills to compete in the global economy?  Clive Beale, Director, Educational Development, Raspberry Pi Foundation (transcript)	14
<b>Dr Jo Twist</b> , Chief Executive Officer, The Association for UK Interactive Entertainment (UKIE) <i>(unedited)</i> Questions and comments from the floor <i>(transcript)</i>	16 19
Ofsted's approach to inspecting the new Computing Curriculum  David Brown HMI, National Lead for ICT, Ofsted (text removed at speakers request)	23
Questions and comments from the floor (transcript)	24
The content of the new Computing curriculum  Dr Davide Grossi, Lecturer and Undergraduate Admissions Tutor, Department of Computer Science,	
University of Liverpool (transcript) Simon Humphreys, Coordinator, Computing At School (transcript)	26 28
Steve Daley, Director of Learning, Computer Science, Business and Enterprise, Unity City Academy,	20
Middlesbrough (transcript)	30
Mark Wakefield, Manager, Corporate Citizenship & Corporate Affairs, IBM UK (transcript)  Claire Lotriet, UKS2 Phase Leader and ICT, Enterprise and Maths Coordinator, Henwick Primary School,	32
Eltham (transcript)	34
Questions and comments from the floor (transcript)	36
Session Chair's closing remarks	
Ludwig Siegele, Online Business and Finance Editor, The Economist (transcript)	40
Session Chair's opening remarks	
Sean Cudmore, Deputy Editor, Westminster Education Forum (transcript)	41
Assessment in Computing	40
Stephen Diston, Subject Team Manager - Science & ICT, OCR (transcript)  Christine Swan, Director of ICT & Enterprise, The Stourport High School, Worcestershire (transcript)	42 44
Questions and comments from the floor (transcript)	47
Implementing the new Computing curriculum: training, resources and the role of industry	
Steve Beswick, Director of Education, Microsoft UK (transcript)	51
Sue Nieland, Director of Education, e-skills UK (transcript)	53
James Winchester, Sixth Form Curriculum Leader, Oak Grove College, West Sussex (transcript)	55
Peter Yeomans, Programme Leader, Undergraduate ITE, Plymouth University (transcript)  Questions and comments from the floor <b>Stephen Diston</b> , Subject Team Manager - Science & ICT, OCR (transcript)	57 59
Questions and comments from the noor stephen biston, subject ream Manager - science & ici, ock (transcript)	33
<u>Session Chair's and Westminster Education Forum closing remarks</u> Sean Cudmore, Deputy Editor, Westminster Education Forum (transcript)	65
List of Delegates Registered for Seminar	66
Contributor Biographies	72
About the Seminar Sponsor	76
About the Core Sponsor of the Westminster Education Forum	77

# **About this Publication**

This publication reflects proceedings at the Westminster Education Forum Keynote Seminar: Preparing for the new Computing curriculum held on 26<sup>th</sup> February 2014. The views expressed in the articles are those of the named authors, not those of the Forum or the sponsors, apart from their own articles.

Although Westminster Education Forum is grateful to all sponsors for the funding on which we depend, participation in events and publications is never conditional on being a sponsor. As well as funding ongoing operations, sponsorship enables the Forum to distribute complimentary copies of publications, and offer complimentary tickets for events, to Government ministers, parliamentarians and officials most involved in policy.

This publication is copyright. Its copying, in whole or in part, is not permitted without the prior written consent of the publishers. However, extracts of the text may be reproduced for academic or review purposes, subject to the conditions of use outlined in the previous page, providing they are accurate, are not used in a misleading context and the author, their organisation and the Westminster Education Forum are acknowledged. We would also appreciate being informed.

# **Westminster Education Forum**

UK Headquarters 4 Bracknell Beeches Old Bracknell Lane West Bracknell Berkshire RG12 7BW

T: 01344 864796 F: 01344 420121 publications@westminsterforumprojects.co.uk

### **Directors**

Peter van Gelder Chris Whitehouse