Welcome to the Computing/ICT newsletter for the autumn term 2014.

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Well it is finally here… the new curriculum that is! Amid the raft of Ofsted changes and education reforms starting on the 1st September the computing curriculum has slipped into place. It is not known how much this new curriculum has been planned for in many schools. Do look at how Babcock 4S courses can support your school in delivering the Computing curriculum.

Ofsted now has a renewed focus to ensure “that the curriculum is broad and balanced” which might encourage greater consideration of the use of technology across the curriculum.

The highlight of our summer was our first Code Camp which was a tremendous success. So much so that we have already started to plan Code Camp 2015 which will be on July 23rd and 24th 2015. (See the article below)

In this newsletter you will find the usual mix of computing updates, CPD and useful information. We have added more courses and events to help in preparations for teaching Computing, you will also find information about our plans for e-safety, assessment, updates to the Personalised Learning Space project and new initiatives being undertaken by the Computing/ICT Team to support IT in your schools.

### E-Safety and Ofsted - update for September 14

There are now just three Ofsted guidance documents:

- The framework for school inspection;
- School inspection handbook and
- Inspecting safeguarding in maintained schools and academies.

The section five briefing “Inspecting e-safety” was removed from the Ofsted website in May, but elements of good e-safety practice have now been included in the school inspection handbook and the separate safeguarding briefing. Ofsted inspectors will receive regular and up-to-date e-safety training to enable them to identify good and inadequate e-safety practice as part of inspections.

Schools, and Ofsted Inspectors, should be familiar with the DfE’s statutory guidance for schools and colleges, ‘Keeping Children Safe in Education’, 2014 (KCSIE) and its implications for schools. KCSIE specifically highlights that governing bodies and proprietors should consider how children may be taught about safeguarding, including online, through teaching and learning opportunities, as part of providing a broad and balanced curriculum.


Updates will be given at the next Subject Leader’s meetings 12 &13th November (Pri) and 20th November (Sec SLICM 11). The new guidelines will be highlighted at the e-safety workshops on 28th and 29th January 2015.
How the Computing/ICT team can support Surrey schools in e-safety

The Computing/ICT team are able to provide schools with funded and non-funded support. The SDA Surrey funded ‘umbrella’ support for all maintained schools consists of the following areas:

- Phone and email support on any immediate or urgent e-safety, policy or online issue
- Annual e-safety workshop for all primary, secondary and special schools
- E-safety toolkit for schools updated in collaboration with Surrey County Council
- Revised scheme of work for e-safety across all year groups
- Maintenance of the Surrey e-safety website www.surreyesafety.co.uk

The Computing/ICT team have developed an e-safety package of support (or SLA) for bespoke work in individual schools which is on a school funded basis. This can be taken as a Silver, Gold or Platinum package. This allows us to effectively support specific issues in schools that need greater focus. Please contact ingrid.lucas@babcockinternational.com for further information.

Surrey e-safety website

We make regular changes to our website www.surreyesafety.co.uk reflecting the research, development and preparation for the workshops on 28th and 29th January 2015.

E-safety Scheme of Work

This popular resource has been revised to reflect the Computing Programme of Study. It can be downloaded for the Surrey e-safety website. http://www.surreyesafety.co.uk

Babcock 4S Assessment Grids for Computing available at Subject Leaders

The Babcock 4S Computing/ICT Team are developing assessment materials for the new Computing curriculum. The assessment grids will be available at the Primary and Secondary Subject Leader Meetings in November. New “Understanding Assessment and Progression in Computing” courses are scheduled for 9th December and again in the spring term, at which further materials and guidance will be presented along with the experience of some trial schools. At these courses attendees will receive versions of the grids and guidance materials that they can edit and adapt to fit the assessment methods in use in their own school.

We know that some teachers are finding the assessment materials currently available difficult to incorporate into their school planning. Our assessment grids relate to the National Curriculum key stage statements. They encourage a ‘depth of learning’ approach to Computing, recognising progress in learning, rather than an accumulation of skills. It will focus on how well a young person has understood and can use a particular concept or idea. Our aim is that they should contain sufficient information to ensure a breadth of study but be straightforward to use and be easily understood by teachers and pupils.

We are looking to work with two each of primary, secondary and special schools to trial the grids. If you are interested in working with us and help develop the support materials during the next six weeks please contact Pat Risley (pat.risley@babcockinternational.com) or Steve Clarke (steven.clarke@babcockinternational.com) by 25 Sept.

Secondary Subject Leaders Meeting

The next secondary subject leaders meeting (course code: 14T/08753) is on November 20th. This is open to all line managers, heads of department and teachers of computing.

We will share materials we are developing for assessing computing (see article above for more details and an opportunity to participate in trials). Other sessions will include a look at how links can be made between the Maths and Computing curriculum and a practical workshop on teaching coding and binary through multimedia. We also want to celebrate successes you have had delivering Computing and invite you to present activities, lessons or schemes of work which have gone well. We will contact you after half term to request volunteers.

Please note that the dates have also changed for ‘An Easy Introduction to Computing with Small Basic’ and ‘Programming Minecraft Raspberry Pi Edition’ courses we are running.
**GCSE Consultation**

We encourage you to have your say on the new Computer Science GCSEs which are planned for 2016: https://www.gov.uk/government/consultations/gcse-and-a-level-reform.

The consultation closes on September 19th

**Code Camp 2014**

Code Camp was an action-packed two days of hands-on coding and activities. There were workshops for programmable robots, Small Basic, Python, Kodu and Scratch, including a fantastic workshop by Tim Eaglestone showing how to use Scratch to model real world problems, which ticked many of the boxes for the KS2 and KS3 Computing curriculum.

“I have attended a few courses to help me with the transition from ICT to Computing teacher and this was by far the best.” Code Camp delegate

FUZE sponsored the event and ran exciting workshops which highlighted how electronics and computing can combine very effectively to teach computer science. They also donated a FUZE for the prize draw which was won by Krishny from Ash Manor School. For more details about FUZE see the article below

**Code Camp Feedback**

“I came to the Camp with a real concern about my ability to teach in September but I have learnt a lot and my fears have been put to rest.”

“A big thank you to the course leaders for being so approachable and friendly - they have made the transition from ICT to computing seem much more doable!! This course has saved me so much planning time and has given me infinite ideas on how to best deliver the new computing curriculum - just what a teacher needs!”

“It was the wisest use of two days of my holiday, it has saved me days if not weeks of planning time, it has saved me weeks of sleepless nights thinking about the new term and how on earth am I going to deliver a curriculum I don’t understand and for the sheer volume of resources, knowledge and understanding I came away armed with it was utterly invaluable.”

“This was far and away the best CPD event I’ve ever been on, it was brilliantly put together by a very experienced team with great knowledge and a wonderful sense of humour.”

**Buy FUZE at a discount for use with Key Stage 3 and to extend Years 5 & 6**

As announced in the last newsletter, we have agreed a discount with Fuze for devices which are ordered through Babcock. The price list and order form is attached to this newsletter. We are also developing training courses to support schools who buy the device. Schools that buy the Fuze from us will receive a 10% discount on one of these training courses.

FUZE is a programmable computer and electronics workstation. It is an ideal platform for learning logic and computer programming and provides a safe environment to experiment with simple electronics. It allows pupils / students to write programs to control physical things such as traffic lights or a robot arm. It comes with FUZE BASIC project cards and lesson plans.

To find out more about Fuze visit their website: http://www.fuze.co.uk/

Please contact steven.clarke@babcockinternational.com if you have any questions about FUZE.
No Strings Attached! Mobile Learning Conference
Thursday 6th November 2014, Epsom Downs Racecourse, Surrey 14T/08756

Key Reasons to Attend:
- Strengthen your strategic vision for learning through the use of mobile digital technologies
- Explore how to raise attainment whilst inspiring learners
- Learn how mobile technology can improve digital literacy and e-safety skills
- Gain an awareness of the infrastructure requirements associated with mobile learning

Conference price is £199+VAT

‘No Strings Attached!’ is a platform agnostic, realistic look at mobile learning in our schools. It is a must for any school that has started or intends to start the journey towards mobile learning. Focusing on pupil learning and raising attainment we will explore the relevant issues with internationally renowned speakers, a wide range of seminars and all the usual fun, games and prizes! Delegates will have a choice from a range of relevant and inspiring seminars including teaching and learning with tablets, teaching and learning with tablets, mobile learning and e-safety, Bring Your Own Device (BYOD) and many more!

Follow this link for the website http://bit.ly/1ydBOxP and follow the hashtag #NASmobile

Keynote Speakers:
- Miles Berry, Principal Lecturer, Computing Education, Roehampton University
- Tim Rylands & Sarah Nield, (award winning) Learning Adventurers, So Into IT
- Jeff Smith, Director IET Associates and Consultant to Brent Schools Partnership

Get up to 20% reduction on your first year of Fronter. Start your training before the end of November 2014 with at least one other school and receive up to 20% off your first year subscription. Email ingrid.lucas@babcockinternational.com for details and prices.

Surrey Fronter Conference Wednesday 25th June 2014 at Reigate Manor Hotel.

Fronter’s Parent Portal is being offered to all Fronter schools in Surrey. It is free for the first year and after this it is a small annual charge to cover the third party secure integration of data. Email dave.robinson@babcockinternational.com to find out more or information can be found at http://uk.fronter.info/product/the-parent-portal-implementation-process/

Schools are able to use the PLS up to 31st March 2015 but will need to make other arrangements for their data from this point. Schools are encouraged to reintegrate as per below to keep their PLS users up to date.

The Computing/ICT team are planning to offer schools an updated PLS system to allow school to continue to use the benefits after March 15 at a small cost as it is realised how useful it can be for schools.
Please note that these changes do not affect Fronter schools.

**PLS reintegration with SIMS**

Schools that have previously integrated the PLS with SIMS will need to carry out a full export of data from their admin server. This will ensure that staff and pupil data on the PLS is up-to-date with SIMS. The Babcock 4S Service Desk can carry this out on behalf of schools. In order to do this, please contact the Service Desk on 0800 073 4444 (option 1) and quote ‘PLS start of year procedure’. Please ensure that whoever calls has access to the school’s admin server as the Service Desk will need to remote in to carry out the integration.

If you have any queries regarding the PLS start of year process, please contact Ingrid Lucas via ingrid.lucas@babcockinternational.com.

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**Technopop**

You may find this free event interesting for your school...........


Taking place at TIQ Stratford City next to Queen Elizabeth Olympic Park, Technopop will pop-up with a fully immersive exhibition alongside an interactive programme of educational activities and events. Of particular interest to schools will be the second week which has a focus on Computing.

Look at the website to find out more: [http://technopop.co.uk/](http://technopop.co.uk/)

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**LearnPads Update**

The Babcock 4S Computing/ICT team is often asked about the latest technologies and the recent huge rise in tablet technology is a case in point. Like many initiatives, it is not so much about what technology a school has, but about how it is used to impact the learning in a school. Although the transformative effect of technology is clear, it must still be seen as a tool for learning – adding significantly to the set of tools that a skilled practitioner will use to develop the understanding and skills of the learner.

The LearnPad is an android device that uses the Google android operating system used in many smart phones. LearnPad have three devices to choose from, to suit different needs and budgets, the Octavo 8", Quarto 9.7" and the Folio 13.3". These devices can be enabled and controlled through the LearnPad Connect Management Portal. Added functionality is provided by LearnPad Classview software which is a single ‘one off’ cost. The Classview software is very useful for displaying and collaborating with the pupil devices.

The Computing/ICT Curriculum team has secured an excellent relationship with LearnPad (Avantis) adding value to schools buying a class set of devices by including a setting up and training service for about the same as a school would buy direct from LearnPad. Please email ingrid.lucas@babcockinternational.com for information on prices and where you might be able to see them in action.

We are eager for interested schools to have a hands-on experience of using LearnPads so are pleased to invite you to the following showcase event:

- **Waverley Abbey C of E Junior School**
  - 4.15 – 5.30pm
  - Wed 24th September 2014
  - The Street, Tilford
  - Farnham
  - GU10 2AE

Schools are invited to send 2 members of their staff to one of the events. If you wish to attend one of the sessions, please email Ingrid.lucas@babcockinternational.com to reserve a place.
3D Printing Project

We are delighted that the 3D printing case studies are now underway at Sandcross and Glebelands schools. The purpose of the research is to identify how the 3D printers can be implemented in schemes of work across the curriculum at Primary and Secondary level. The cost of the printers and training has been subsidised by It Is 3D. We will be publishing the results of the case study during the course of this academic year.

Courses to support you to move to the new Computing curriculum

The Babcock 4S Computing team are experienced in supporting schools in the new computing curriculum. Whether your school has embraced the curriculum with open arms or tentatively trying out some new aspect of computing we are there to help. Our courses are aimed at providing support for teachers, subject leaders and department heads responsible for planning and teaching Computing (see below).

We regularly put on new courses as a result of your feedback and are always open to ideas and suggestion eg the new Small Basic, Minecraft and Scratch courses. If you would prefer, we can also help you on a 1:1 basis in your school or adapt training courses for delivery to the staff in your school, confederation or academy chain. Contact Dave.Robinson@babcockinternational.com to discuss your school or academy’s individual needs.

To find out more or to book onto any of these courses, follow the link from the course code. If you are teaching in a special school and are unsure whether a course would help you and your students, please phone us to discuss it.

New to Computing Subject Leadership (Primary)
Thursday 9 October 2014
14T/09015

Have you been given the Computing/ICT subject leader role? Not sure where to start or would like an update to all the recent aspects of the role? This course is for you and will provide opportunities to explore the different elements of computing/ICT subject leader responsibilities. The course will cover planning for personal development, auditing and planning computing/ICT development, contributing to school development planning and clarifying expectations, identifying deadlines and prioritising tasks.

An Easy Introduction to Computing with Small Basic
(Primary, Secondary and Special)
Monday 13 October 2014
14T/09126

This course will introduce you to the basics of programming through Microsoft’s Small Basic (a free programming language). The simplicity of Small Basic makes it an ideal introduction to text based programming languages for KS2 and KS3 students and an effective bridge between visual programming environments such as Scratch and advanced text based languages such as Python or Visual Basic. In the afternoon we will look at more advanced features and how Small Basic can be used in GCSE projects.

“Great introduction as to how to get small basic into the classroom”

An Introduction to the New Computing Curriculum for Computing/ICT Subject Leaders (Primary)
Thursday 16 October 2014
14T/09016

The Computing Curriculum has transformed the previously known ICT curriculum, providing a strong focus on the area of computer science. This one-day course supports ICT / Computing Subject Leaders in ensuring that their school can meet the needs of the computing curriculum and they can support their colleagues in delivering it.

“Brilliant – a motivating course” “One of the most practically useful courses I have been on”

Computing for EYFS & KS1 Teachers
Tuesday 21 October 2014
14T/09012

Computing for Year 3 & Year 4 Teachers
Wednesday 22 October 2014
14T/09013

Computing for Year 5 & 6 Teachers
Thursday 23 October 2014
14T/09014

Bit worried about teaching the Computing curriculum to your primary class? Would you like to feel more confident in teaching computing software relevant to your year group?

Designed for staff who want to ‘have a go’ but need more confidence these one day courses support class teachers in R, Yr1 & Yr2, Yr3 & 4 and Yr5 & 6 in delivering the new computing curriculum to their pupils. They will identify the essential areas to cover, looking at progression, continuity, assessment, activities, and software and hardware requirements.

“This has been very useful. It was great to have a chance to play with all the resources”
Secondary Leaders of Computing/ICT Meeting (SLICM 11)
Thursday 20 November 2014 (2nd of 3) 14T/08753
Thursday 19 March 2015 (3rd of 3)

The day is an opportunity to share developments, discuss national initiatives and their impact on schools, and review a variety of Computing/ICT resources. The day will be a mixture of presentations, discussion, demonstration and practical experiences in hands-on sessions, as well as being an opportunity to network with colleagues.

Getting up to Scratch (KS2 and KS3)
Thursday 4 December 2014 14T/09635

This hands-on course will guide you through programming with Scratch (a free visual programming language). Starting with simple Scratch projects and the course will progress to the creation of interactive games and the control of Lego Wedo models. Through this range of increasingly complex Scratch projects, forming the basis of a scheme of work, participants will gain an understanding of progression in computing.

Programming Minecraft Raspberry Pi Edition with Python (Secondary & some Primary)
Monday 8 December 2014 14T/09229

Minecraft is free to use on the Raspberry Pi and offers a powerful incentive to encourage children to learn to code. Minecraft Pi edition allows the user to write commands and scripts using Python code to build their environment automatically, which saves time when creating a Minecraft world. This course is aimed at beginners and is suitable for KS3 but will also be of interest to teachers looking to extend KS2 pupils. It does not assume any prior knowledge of Minecraft, Python or the Raspberry Pi.

Understanding Assessment and Progression in Computing
Tuesday 9 December 2014
AM – Primary 14T/09639
PM – Secondary 14T/09640

These half day courses will look at using the B4S Computing assessment grids and supporting material to monitor and record pupil / student progress through the Computing curriculum. There will be presentations about learning taxonomies, recognising progression in computing and the experience of schools that have trialled the grids.

E-safety workshops
Wednesday 28 January 2014
Primary 14T/09630
Primary with CEOP training 14T/09631
Thursday 29 January 2014
Secondary with CEOP training 14T/09633
Primary with CEOP training 14T/09632

This e-safety update and development workshop will help schools move forward in this important area, especially in light of the latest Ofsted September 2014 changes.

CEOP training will take place at the end of the e-safety workshop for those who wish to participate (and this will extend the session by up to 45 minutes). *Teachers who would like to take up this CEOP training opportunity will need to bring along their current DBS certificate and a passport type recognition document and register beforehand on the CEOP website www.thinkyouknow.co.uk. The training is certified and participants will receive a certificate.

This course is free of charge for up to 2 members of staff from a Surrey maintained school to attend.

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<table>
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<tr>
<th>COURSE TITLE</th>
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<th>VENUE</th>
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<tr>
<td>New to ICT/Computing Subject Leader (Primary)</td>
<td>9.10.2014</td>
<td>Guildford Schools’ Training Centre</td>
<td>14T/09015</td>
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<td>An Easy Introduction to Computing with Small Basic (KS 2,3 &amp;4)</td>
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<td>An Introduction to the New Computing Curriculum for ICT and Computing Subject Leaders</td>
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<td>No Strings Attached! Mobile Learning Conference</td>
<td>6.11.2014</td>
<td>Epsom Racecourse</td>
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<td>4.12.2014</td>
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<td>Understanding Assessment and Progression in Computing (KS1&amp; 2)</td>
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<td>Primary &amp; Special School E-safety workshop</td>
<td>28.1.2015</td>
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Bookings via CPD online at: [www.babcock-education.co.uk/4Scpd](http://www.babcock-education.co.uk/4Scpd)
For further information on all Computing/ICT courses please phone 01372 834476