Northumberland
County Council

ICT & eLearning
Training and Courses 2019 - 20

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Northumberland Grid for Learning

SCHOOL 360°

Northumberland ICT & eLearning Courses

This booklet gives an overview of the courses available over the next academic year. Please note that although some initial dates have been scheduled, we will schedule further dates and locations should schools request sessions run in their area. In many cases these sessions can run for your full staff team at your school.

Booking options:

1. You can book a place on the courses in this booklet for the dates advertised. (Contact julie.keenlyside@northumberland.gov.uk)

2. You can register an interest in having a course run in your area via our website and we will contact you. (min number of attendees will apply).

3. You can request a course be run for your staff as a twilight or as part of a training or partnership day with neighbouring schools.

Our courses are free to schools who are members of ICT SLA 1, for curriculum support.

Schools not part of ICT SLA 1 are welcome to attend courses but will be charged on an individual basis and are not able to access loan equipment.

Courses and SLA's are open to all schools both within Northumberland Education Authority, academy trusts and neighbouring authorities. Information on our SLA's and on booking courses can be found on the ICT Team website at ngfl.northumberland.gov.uk

Courses are just one element of the support we provide to schools and if you or your staff would like training or support in other aspects of Computing and ICT, please contact either myself or a member of the ICT team.

Richard Taylor
ICT & e-learning Adviser

Computing

Lego League and Lego League Jr
Ashington Town Hall, Wednesday 12th June 2019,
Wednesday 25th September 2019

(North and West Northumberland locations to be arranged with interested schools - please register your interest via the website.)

All courses 1.00pm - 3.30pm

Lego League - Come along to find out about how you can get involved and run either a Lego League or Lego League Jr Team in your school.
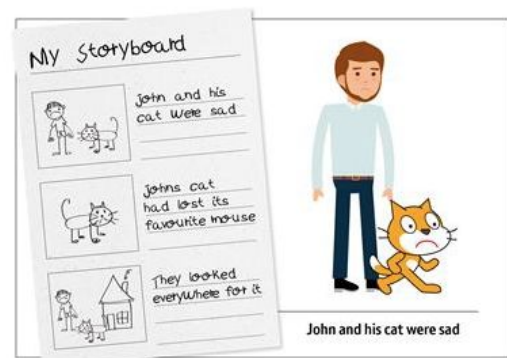
FIRST® LEGO® League is a global science and technology challenge for teams of students, to encourage an interest in real world issues and develop key skills that are crucial for their future careers. The students work together to explore a given topic and to design, build and program an autonomous LEGO® robot to solve a series of missions.
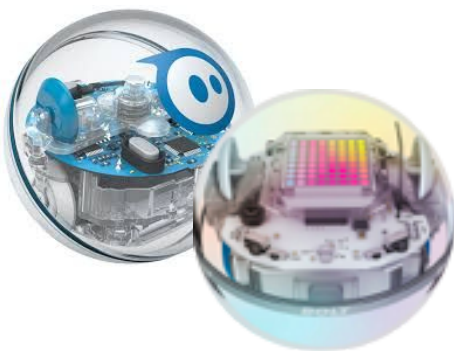
Barefoot Computing
On request, school based session only.

Barefoot Computing is a fantastic free bank of lesson plans, activities and resources put together by CAS and BT for Primary teachers. In this session we will look at key concepts and approaches for delivering the computing curriculum. Colleagues will be shown key resources and how these can be implemented across the school. This is a great place to start if you're taking at fresh look at your computing provision or would like to improve staff confidence in delivering computing activities.

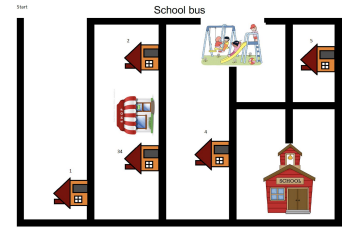**Sphero**
On request, school based session only.

Sphero Edu uses app-enabled robots. Through creative activities, students can learn to program their robots while nurturing their cognitive skills and independent exploration. In this very hands on session we will show you a range of cross curricular activities and how to access lesson plans and further guidance.

Our Sphero SPRK+ Power Packs have been extremely popular so far. If you are an **SLA1** school get in touch to organise a staff session in your school and dates for loan of the kit.

Ozobots - new resources!
Ashington Town Hall, Thursday 23rd May 2019, 1.00pm - 4.00pm
(North and West Northumberland locations to be arranged with interested schools - please register your interest via the website.)

Ozobots have proved extremely popular with staff and pupils in our schools. They can be used from Nursery and reception through to High schools.   At their simplest level, pupils draw lines for the Ozobot to follow. This then progresses through colour codes to a full Scratch type programming. SLA 1 course members will receive a free Ozobot (value £35). On the course we will look at some new resources to code the Ozobots using stickers. We have some maze challenges for the pupils and also will look at designing our own mazes.

Crumble - All the fun of the Fair!
Ashington Town Hall,
Wednesday 5th February 2020, 9.00am - 3.00pm
Thursday 4th June 2020, 9.00am - 3.00pm

Making computer controlled models in the classroom. Crumbles are easy to use (and program) control boxes that pupils can plug motors, bulbs and switches into. Great for topics like Fairgrounds, where pupils can build their own devices and write programs to control it. Free crumble, motors and other kit with the course.

Computing in EY and KS1
Ashington Town Hall, Wednesday 2nd October 2019, 1.00pm - 3.30pm

A range of resources will be explored including programmable devices, paper based activities, online packages and apps for the iPad. This session will include an introduction to Bluebots along with some new accessories to broaden learning opportunities. We will also take a look at the new Rugged Robot which is also available as part of this loan set. *Please note kit is only available to **SLA1** schools and dates for loan will be arranged following booking.*

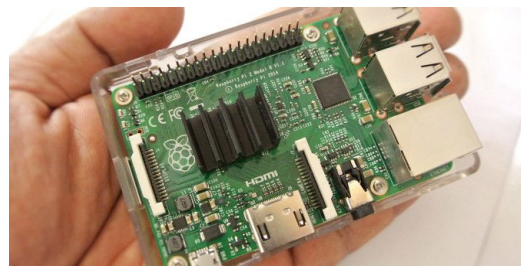**Computing in KS2 with a focus on the new Scratch 3.0**
Ashington Town Hall, Thursday 21st November 2019, 1.00pm - 3.30pm

An in depth look at the new features in Scratch 3.0 and the benefits this can have in your classroom. At the end of the course you will leave with ready made plans tailored for each year group in KS2 ready to use in your own classroom. (To include a look at the new curriculum guide and lesson plans)

Raspberry Pi - A Beginners Guide
(Location to be arranged with interested schools - please register your interest via the website)

A beginners guide to getting started with using Raspberry Pi's with KS2 students. Discover how to setup and use Raspberry Pi's in your classroom.
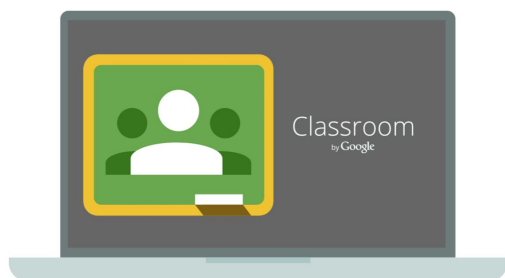

Raspberry Pi - Projects
(Location to be arranged with interested schools - please register your interest via the website)

Explore a range of projects that can be completed using Raspberry Pi's From hacking Minecraft to controlling LED's and motors.

School360

Google Classroom
Ashington Town Hall, Thursday 10th October 2019,
1.00pm - 3.30pm

Explore how Google classroom can be used to manage student workload across all devices, to create, collaborate, assess effectively and provide feedback without the need to print / print screen students work.

Google Edu Suite for staff and governors
On request, school based session only.

The G Suite offers a great wealth of tools to store, create and collaborate. In this session we will focus on the basics of Google Drive and Google Docs with a quick look at other elements of the Google package as well as showing you where to find further guidance on how to make the most of Google in your school.

The School360 EYFS observation app
Ashington Town Hall, Monday 10th June 2019,
4.00pm - 5.00pm
(North and West locations to be arranged with interested schools - please register your interest via the website.)

The School360 EYFS observation tool has been developed with the kind support of several Northumberland schools and is now available and FREE to School360 users.

Teachers can easily add the EYFS Goals, Monthly bands and Characteristics of learning. They can generate login details for parents so that they can engage with their child's experiences at school and even add their own images and comments. This bespoke tool is worth very much worth considering as an alternative to Tapestry and 2Build a Profile.

Preparing for winter!
Ashington Town Hall, Thursday 7th November 2019,
4.00pm - 5.00pm

How to create, prepare and share activities for pupils if the school closes. This twilight session will look at really easy ways to share activities using School360 with individuals, groups, classes, years and entire schools should you have to close the school for any reason. It's also a great way to update parents.

ICT Across the Curriculum

Class VR Headsets
Ashington Town Hall,
Thursday 12th September 2019, 4.00pm - 5.00pm
Monday 13th January 2020, 4.00pm - 5.00pm
Thursday 23rd April 2020, 4.00pm - 5.00pm

ClassVR is designed to help raise engagement and increase knowledge retention for students of all ages. The headsets allow you to provide your pupils with immersive experiences. Visit the pyramids of Giza, dive with sharks in Cuba or explore the human heart!

We have a set of 16 VR headsets available for short term loan of around 2 weeks to allow you to run a VR workshop or two with each class in your school. Schools must send a member of staff to one of the training sessions prior to their loan. Spaces are limited and loans only available to SLA1 schools.

Music Hands - Creating Digital Music
Ashington Town Hall, Monday 1st July 2019, 3.30pm - 5.00pm

You may have attended a beginner session on recording using the iPad at the conference in March with David Olatunji from Music Hands. This follow on session will use your new found recording ability and take your iPad music making to the next level.

In this session, David will show you how to utilise a wide range of software instruments to create original digital music with GarageBand for iPad. Limited places available - booking essential.

News Desk
Ashington Town Hall, Thursday 5th December 2019,
1.00pm - 3.30pm

In this session, we will use a combination of apps and tools on iPad that can be used for a cross curricular project culminating in the creation of a News broadcast complete with video making, special FX, Green screen, and script writing. A great way to engage reluctant writers.

Story telling
Ashington Town Hall, Wednesday 8th January 2020, 1.00pm - 3.30pm

In this session we will explore how to engage reluctant writers with exciting digital stimulus. We will look at ways in which technology can support children who might struggle to record their ideas in traditional ways using assistive tools that enable children to narrate rather than write and also explore apps to create picture based story books, slideshows and movies.

Developing Skills in Animation
Ashington Town Hall, Wednesday 9th October 2019, 1.00pm - 3.30pm

This course will look at a range of simple animation techniques on the iPad and also using laptop and Chrome computers. The session will start with basic 'flipper book' techniques and build on through onion skinning and green screen technology. Get ready to make some spooky creations ready for Halloween!

Digital Leaders
On request, school based session only.

The Digital Leader initiative is a fantastic way to embed the use of technology in your school while giving your pupils an opportunity to share their passion for technology with others. Wherever possible we organise the session so that a number of different schools attend together. Pupils take part in a range of activities, collecting ideas and learning new skills to use back at school. They will also have the chance to collaborate with pupils from other schools and establish links to continue learning from each other throughout the year.

3D printing Course and Printer loan
Ashington Town Hall, Thursday 25th April 2019, Thursday 12th September 2019, Tuesday 21st January 2020. All sessions will run from 1.00pm - 4.00pm

The 3D printers have been incredibly popular with Primary schools around the County. Come along to the course, learn how to use them and design your own items and then borrow a printer for half a term to use back in school with your pupils.

The printers and design software are very easy to use - get designing those baubles and key rings for the school fair!

Northumberland LitFilmFest

2019/20

On request, school based session.

This session will cover everything you need to know about the Northumberland LitFilmFest. We will show you how to access lesson plans and resources as well as a hands on session exploring apps such as Adobe Spark Video and Do Ink Green Screen. We will make sure you are familiar with the Northumberland LitFilmFest blog and understand how to upload your content before the big day!

About the Northumberland LitFilmFest:

Northumberland LitFilmFest

2019/20

Taking part? Please register on the LitFilmFest page of the http:// ngfl.northumberland.gov.uk website so we can keep you up to date, provide support and access to the blog.

2. Looking for some support? Come along to our LitFilmFest workshop to learn about using film making and green screening apps. See our course guide for further details.

1. Choose a LitFilmFest classroom project matched to the national curriculum at https://litfilmfest.com/

Download a pack which includes lesson plans, presentations and resources!

3. When your project is complete, hold your very own LitFilmFest assembly or event at your school. **Sharing your pupils' completed work is a huge part of what gives learning purpose.**

Find out how to make your event go with a bang and download your event starter pack here: https://litfilmfest.com/share/host-your-own-litfilmfest/

5. The online LitFilmFest will take place on **Thursday 25th June 2020**. Pupils will share their completed films with a huge online audience including pupils and teachers from across Northumberland! They will receive feedback and have the opportunity to respond to questions and talk about their project. Pupils will also view films produced by other schools, give feedback and share their new expertise! Finally each school will vote for their favourite film and prizes will be awarded!

4. In June you will be given access to the Northumberland LitFilmFest blog. A page will be allocated to each school. Upload your film along with anything else you would like to share - this is a chance for your pupils to show their hard work and incredible writing! We'd also love to see behind the scenes photographs and hear about your in-school LitFilmFest event.

jennifer.harris@ northumberland.gov.uk

Northumberland Apple Regional Training Centre

Apple Teacher

(Location to be arranged with interested schools - please register your interest via the website)

This course consists of four fun and informal sessions. Each session will be hands on and activity based. Attendees will be able to work at their own pace both during and in between each session to earn their badges and achieve Apple Teacher status.

This is a fantastic opportunity to really get to grips with iPad, learn how to make an impact with technology in your classroom and become an official Apple Teacher! Please see our website for further details.

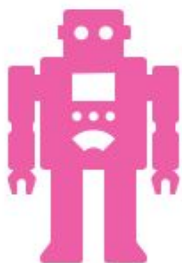**Improving Literacy Outcomes with Technology**
Hexham First School, Monday 20th January 2020, 3.45pm - 5.00pm

Every teacher, whatever their specialism, is a teacher of literacy. iPad can support pupils to consolidate their literacy skills, build their vocabulary, and develop their fluency as speakers, writers and readers of language. During this course, your attendees will learn practical ways to use Apple technology to improve literacy outcomes.

Coding with iPad
(Location to be arranged with interested schools - please register your interest via the website)

Explore how you can use iPads to teach comprehensive programming to students using a range of apps starting with block based programming and how to move students into a text based language. Investigate the different apps and devices that can be combined using iPads to create an engaging curriculum for KS1 and KS2.

Apple Classroom
Ashington Town Hall, Wednesday September 18th 2019, 4.00pm - 5.00pm

Classroom turns your iPad or Mac into a powerful assistive tool, helping teachers guide students with iPads through a lesson, see their progress, and keep them on track. With Classroom, you can easily launch the same app on every student device at the same time, or launch a different app for each group of students. Classroom helps teachers focus on teaching so students can focus on learning.

Online Safety and Security

Build Student Digital Skills for Life
*with Google's **Applied Digital Skills** course for Teachers*

Ashington Town Hall, Wednesday 23rd October 2019, 1.00 - 4.00pm

This is a great opportunity to come and work with **Lawrence Tijjani** from App Events who will be delivering this session on behalf of Google. **Applied Digital Skills** is free project-based video curriculum from Google. Suitable for use from Year 5 all the way up into KS3. These ready-to-use video lessons teach digital skills that have immediate, real-life applications. The resources teach the skills needed for the jobs of today and tomorrow.

You will experience the Applied Digital Skills course as a learner, getting hands-on with the engaging digital curriculum. After time to explore the content and understand how the online course is facilitated you will switch to teacher mode and create your own course. You'll leave the session with an action plan and everything set up ready to use the materials at your own school!

Online safety updates, including current and new resources

School-based sessions, by arrangement for schools in SLA 3

In addition to the CEOP Thinkuknow online safety training on offer through the **NSCB Training Unit**, the following sessions are available for delivery in school.

NB Sessions available for delivery in school for organisations in SLA 3, Online Safety only.

Parent & Carer Online Safety

A session that can be delivered in a 15, 30 or 45 minute time period (depending on time availability) with an emphasis on practical tasks that parents, grandparents and carers can undertake to make children safer when using technology in the home.

The 45-minute parent session will cover:

1. The technologies children, young people and their families are using

2. Some of the challenges and issues they bring

3. Some practical ideas and tools to help parents to stay in control, and help children remain safe in the home.

Staff & Governor Online Safety Update

A session that can help keep staff up to date with emerging trends and risks in the area of online safety, and make them aware of new resources available from the Safer Internet Centre, the NSPCC and other organisations who actively promote online safety.

This session will look at the latest resources from the Safer Internet Centre, Childnet International, CEOP and other organisations promoting Online child safety for schools and parents, including resources dealing with the issue of 'sexting', and for children with additional needs.