

PRIMARY

LEARNING RESOURCES

+ DIGITAL COLLECTIONS

LONDON
GRID FOR LEARNING

2017 EDITION

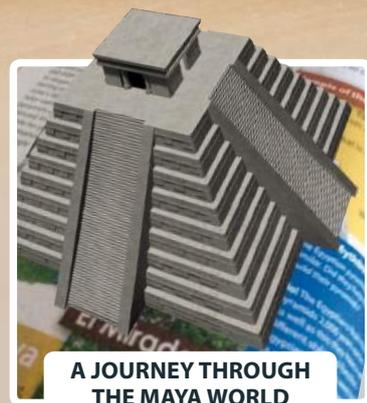


ANCIENT EGYPT

INNOVATIVE VIRTUAL AND
AUGMENTED-REALITY APPS
BRING HISTORY TO LIFE



PREHISTORIC BRITAIN



A JOURNEY THROUGH
THE MAYA WORLD

+ FEATURES INCLUDE ■ ONLINE SAFETY ■ SEND ■ TRAINING HUB ■ MATHS

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WELCOME

There are some exciting developments on the way from LGfL TRUSTnet in 2017, but one thing will never change – teaching & learning comes first. We put the ‘ed’ into edtech, and not the other way around!

Blink and you’ll miss it! My first year as CEO is nearly over, and it only feels like yesterday that I took over at the helm. But it is well worth stepping back for a moment to reflect upon 2016 as we enter what will hopefully be another year to remember in 2017.

In the first few weeks of the year, we won a Bett Award for our augmented-reality resource ‘Maya – a Journey through the Maya World’. It was our fourth AR project with the experts at Computeam (and came a full six months before Pokémon Go! brought AR crashing, flying and spinning into the mainstream).

The Maya resource embodies the spirit within which we work – we don’t just dump the latest technology in the classroom, wait for a quick ‘wow!’ and then return to business as usual. We want to make tech work for teachers, meet a clear need (Maya was new to the curriculum), and lay the groundwork for curriculum excellence. The Bett Award was recognition of that aim.

Also in 2016, we launched the LGfL Training Hub, further developing our curriculum centre of excellence; we boosted bandwidth for all our schools, with an upgrade that truly futureproofs our network; and for the first time, the community grew to more than 3,000 schools.

We now service schools outside of London in Sandwell, Liverpool, Glasgow and Northern Ireland. And we are delighted to provide schoolsafe broadband, cloud services and online learning resources to some of the UK’s largest and most



- Saving schools money
- Supercharging connectivity
- Keeping children safe
- Tackling educational inequality
- Helping children reach their potential
- Energising teaching & learning
- Cloud acceleration and digital transformation

successful academy chains.

Looking forward to 2017 then, we are ramping up our efforts to bring cloud transformation into education.

There is much more to the cloud than meets the eye, and we are engaged in various projects that will benefit schools looking for help in

this area (read more on page 6).

As part of this, we have built new partnerships with the Education Teams at Google and Microsoft (p8) which we think will be truly transformational for schools which take part.

At the same time, we will be expanding our CPD offering, increasing safeguarding activities, rolling out the Free-School Meals Checker to every UK school, and much, much more.

It has been an exciting journey for me so far, and I look forward to the next exciting chapter with you in 2017.

John Jackson
LGfL CEO



Find out more about LGfL at www.lgfl.net
Stay up to date at news.lgfl.net and on social media



Facebook
/LondonGridforLearning



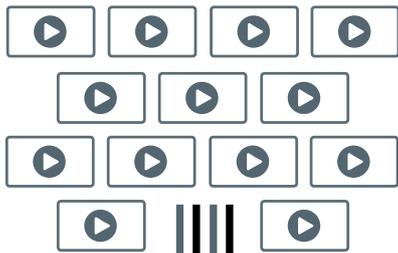
Twitter
@LGfL

LEARN MORE WITH LGfL

WATCH MORE

4,769

VIDEOS UPLOADED BY
LGfL SCHOOLS



1,189,741

PUBLIC VIDEOS PLAYED

77,698

PREMIUM VIDEOS PLAYED

INTERACT MORE

9,120

DOWNLOADS OF THE MAYA
AUGMENTED-REALITY APP
IN 2016 ALONE



LISTEN MORE

57,500

PROFESSIONALLY
RECORDED AUDIO
FILES



READ MORE

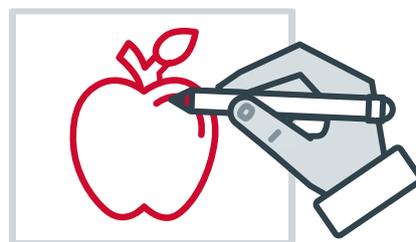
30 AUTHORS

550+ INTERVIEW CLIPS
ON READINGZONE LIVE

CREATE MORE

324,705

FILES CREATED BY LGfL
LEARNERS WITHIN THE J2E
TOOL SUITE IN 2016



ENGAGE MORE

15 MILLION

BUSYTHINGS PAGES VIEWED
IN 2016

“ LGfL’s VideoCentralHD gives us a secure place to store and share video content from teachers and pupils. The ability to share these videos helps us engage parents more in their children’s daily lives. ”

Bina Bond

Class teacher, PE leader & Maths development team, Anson Primary

“ Lots of LGfL resources are very useful, such as Virtual Experiments, Switched On Science and Busy Things. They save time in planning, and our children love the interactive activities. ”

Tina Wray

Vicar’s Green Primary School

“ I teach in a SEND school, and my class loves the LGfL content we use. Audio Network, for example, is a great resource when creating sensory stories. ”

Kate Bradley

The Bridge School

“ LGfL is so much more than a broadband provider. It has content that allows us to keep children safe online and enrich their curriculum experience, and provide crucial links to help parents support children at home. ”

Simon Pile

Assistant Headteacher, Anson Primary



CLOUD TRANSFORMATION starts here!

CEO John Jackson has long advocated the power of the cloud to transform local government. Now he is bringing his experience to bear in the education sector. But what's it all about and how can the cloud help busy teachers and cash-strapped schools?

My history in local government can be summed up in one word: transformation. And for me, that is the essence of the cloud.

For many people, 'cloud' is a nebulous term (no pun intended), but I can assure you that this is not just a trendy buzzword.

For me, it is about a different mindset; about getting things done in the most effective way whilst saving real money; about cutting out waste and adding exciting new functionality that allows teachers and students to focus on their core tasks – teaching & learning.

At LGfL TRUSTnet, we are committed to enabling and accelerating cloud adoption. We already offer supercharged, schoolsafe, value for money connectivity.

But we want to leverage that to enable digital transformation of schools on a large scale. That requires common platforms, services and infrastructure; it means one-and-done connectivity; it means pay as you use, not pay when you don't; it means

open-source friendly; and in order to be truly responsive to schools' needs, it also means open and interoperable, whether with Google and Microsoft (see pages 8-9) or with newcomers to the education arena.

Is this a question of out with the old and in with the new? It may be to an extent, but we aren't about to throw out any babies with the bathwater.

Technologists often talk about wanting to cause disruption – that is, to shake up the market and bring about a revolution.

In schools, disruption (albeit with a slightly different meaning) is generally undesirable, so it is important to state that we are not looking to force our users into anything, but we do want to enable them to do a lot more if they so choose!

That is the driving force behind our new partnerships with Google and Microsoft. Both offer amazing opportunities for the classrooms of the future, and we are committed to making it easier for any school wanting to go Google or make more of Microsoft.

Don't worry though – we aren't forcing this on anyone, but hope that our new curriculum training hub and centres of excellence will help to make it a worthwhile value proposition.

2017 will be a big year for the cloud, so be sure to stay up to speed with the latest.

news.lgfl.net



“ 2017 will be a big year for the cloud, so be sure to stay up to speed with the latest at news.lgfl.net ”

John Jackson LGfL CEO



G SUITE FOR EDUCATION

Google Classroom and the other G Suite for Education tools are already exciting schools around the world. At LGfL, we are all about digital transformation, so that’s why we have started a partnership with Google to help our schools ‘go Google’.



Google’s strength is the development of technology solutions that ‘simply work’ and have, at their core, a commitment to innovation.

G Suite for Education provides a platform for learning that enables real-time collaboration and helps teachers save time.

Around the world, there are more than 60 million active users of the platform (and it is growing rapidly).

In many US states, G Suite has become the dominant technology choice due to features like the ability to automatically copy a Google document for each student and send parents or

carers weekly summaries of completed and missed homework.

Teachers and students say that the platform truly drives collaboration in schools and helps promote a learning culture based on peer-to-peer interaction and project-based activity.

Google Classroom represents Google’s biggest investment yet in the education space. At its core, Classroom provides a set of tools to help teachers create and collect assignments paperlessly, including time-saving features like the ability to automatically make a copy of a Google document for each student.

We are working with Google to find the best way to roll out G Suite at scale (remember we have 3,000 schools!) and to help schools make the change.

At the time of writing, the plans aren’t quite finalised, but by the time you read this they may well be, and in any case, we are looking for pilot schools now.

For the latest, or to go Google today, head to gsuiteinfo.lgfl.net

Introducing Classroom

Create, share, and grade assignments with ease. Classroom was designed to help you save time and keep classes organised.

Take Gmail to school

Gmail’s spam protection, powerful search, and integrated calendars help you get more done. For education, there are absolutely no ads.



Streamline your class

Create, share, and grade assignments with ease. Classroom helps you keep classes organised, and improve communication with students.



Collaborate on documents

Create and edit docs, spreadsheets, and presentations right in your browser. Multiple people can work at the same time, and every change is saved automatically.



Share in the cloud

Save work files in Drive, access them from any device and share them instantly. No more sending attachments or merging different versions.



Share calendars

Spend less time planning and more time doing with shareable calendars that integrate



seamlessly with Gmail, Drive, Contacts, Sites, and Hangouts.

Create websites

Launch a website for your class, your team, or a project with our easy site builder. All without writing a single line of code.



Meet face to face

Connect any time via video, voice, or text. Use text chat for quick questions and Hangouts for group video calls, virtual office hours, and field trips.

Archive your emails and chats

Manage, retain and search for your organisation’s email and on-the-record chats. Export files to Google Drive and preserve your data.

OFFICE 365 FOR EDUCATION



We are committed to giving schools choice, so we are also ramping up our partnership with Microsoft to help schools transform teaching & learning for the digital age.

NEVER LOSE HOMEWORK AGAIN

Each staff and student account comes with 1TB of free storage for emails, documents, presentations and associated photos and media.

That's more than enough to last any student throughout their life at school. What's more, this space is a repository for all their vital files, always available, always online.

WORRY-FREE IT

Office 365 is incredibly flexible, and how your school uses it is up to you. If you want all your data in the cloud, then Office 365 is safe, secure and reliable.

COLLABORATION WITHIN AND WITHOUT THE SCHOOL

Collaboration is part and parcel of Office 365. Using just the Office Web Apps, teams of students can work on a single version of an online Word, Excel or PowerPoint document, viewing and making edits simultaneously with all changes synchronised.

Teachers and students can also work on the same document at the same time, enabling new styles of teaching and learning.

SharePoint Online, meanwhile, provides an ideal platform for group activities and larger projects.

Yet Office 365 for Education takes collaboration even further. With Skype for Business, it's easy to set up real-time video chats, instant messaging and screen-sharing with students across classrooms, schools and even around the world.

Teachers can use it to foster relationships between different schools and communities, or call in experts without needing to physically bring them into school.

Office 365 for Education helps staff and students work together – and bring in the wider world.

OFFICE 365 WORKS ON ANYTHING

Office 365 for Education is the perfect fit for Windows, and whether you're using

PCs, laptops or tablets. Yet it's not in any way limited to Microsoft technology. Office 365 for Education's email will work perfectly well with Macs, iPads, iPhones and Android smartphones and tablets.

INSPIRE NEW WAYS OF LEARNING

With the power of the cloud behind you, you can investigate new approaches to teaching and learning:

Create team sites for staff and students; manage cross-class projects with SharePoint and get everyone involved.; use video chat and instant messaging to let ideas develop and thoughts run wild; or harness Office Web Apps for collaborative activities that might involve teachers and teams of students.

THE POWER OF MICROSOFT OFFICE

Some cloud-based services make you work with unfamiliar apps and tools. Not Office 365 for Education.

The Office Web Apps, covering Word, PowerPoint, Outlook, OneNote and Excel, have the familiar look and feel of their desktop versions and many of the same features.

Yet if you need more power, Office 365 for Education works hand-in-hand with the desktop Office applications. Staff and students can start projects using Office Web Apps then polish them in Word, PowerPoint and Excel.

Teachers can set up documents in the desktop Office applications before handing them off to students to continue the work in the Web Apps.

OneNote has become an invaluable tool for gathering ideas and information, and with Office 365 for Education it works across PCs, tablets and smartphones.

LGfL-FLAVOUR OFFICE 365

Our staff and pupils have had access to Office 365 apps via LondonMail accounts for several years, but we are working intensively with Microsoft on improving the experience and allowing schools to customise their apps. Want to find out where we're at? Visit 365info.lgfl.net

OneNote

Organise class materials into a single digital notebook; access and prepare lessons and assignments from any device; combine handwritten text, web content, audio and video for more compelling content and personalized learning. And that's just the start of Office 365 collaboration for students and colleagues.



Office 365

Create dynamic learning experiences in and beyond the classroom with the well-known core productivity applications.



Skype in the Classroom

A fast and fun way for teachers to open up the classroom and create exciting, memorable lessons – talk to experts, share ideas and create amazing learning experiences with classrooms from around the world.



Sway

With this digital storytelling app, students and teachers can create and share interactive reports, presentations, personal stories and more.



OneDrive

File storage and collaboration in the cloud, enabling students, teachers and parents to access files anywhere, anytime, on any device.



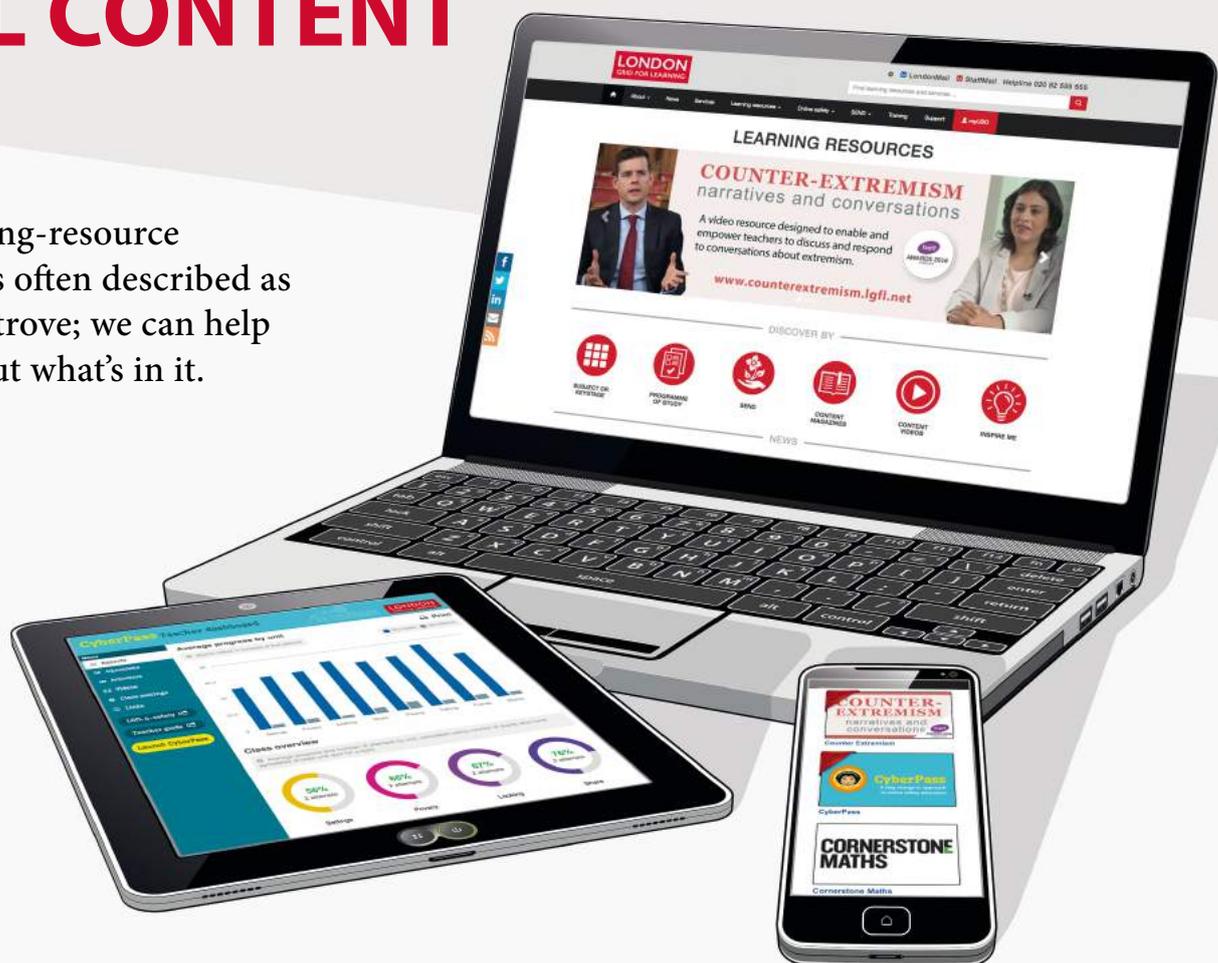
Office Mix

Blended learning at a click. Turn PowerPoints into interactive online lessons, annotate lectures, write on slides, and much more.



NAVIGATING THE WORLD OF LGfL CONTENT

Our learning-resource portfolio is often described as a treasure trove; we can help you find out what's in it.



The LGfL content strategy is not about forcing teachers to abandon tried-and-trusted lessons and teaching methods; it isn't about a one-size-fits-all approach; and it isn't about replacing the teacher with technology.

So what is it all about? Using technology to enhance learning; making effective teachers even more effective; opening up new possibilities; providing resources that are flexible enough to slot into existing schemes of work or to become new standalone units; and supporting teachers old and new with materials that marry top-class engagement with curriculum relevance and solid pedagogy.

As well as sourcing, licensing, developing and creating this high-quality content, it is just as important to make it accessible to the busy teacher who barely has time to buy food for dinner, let alone spend hours

browsing resources and contemplating lesson-plan changes.

In 2016, we rebuilt lgfl.net to make it easier for teachers to find what they want, when they want.

When you visit content.lgfl.net (or click the 'content' dropdown menu from any page on the site), you will see these six red icons, which all give you a slightly different way into the materials.



Want to browse everything that could be relevant for the classes and subjects you teach?

Then this is the button for you.
grid.lgfl.net



Click here to see as few resources as possible to help you meet a very specific curriculum need.
pos.lgfl.net



Our portfolio of inclusive resources to help teachers in mainstream and SEND schools is extensive and growing!
send.lgfl.net



This one should be obvious – you're reading it now! We have print and online versions of our magazines.
contentmagazines.lgfl.net



Ideal for staff / department meeting, a Primary and Secondary video can remind you what is available.
contentvideos.lgfl.net

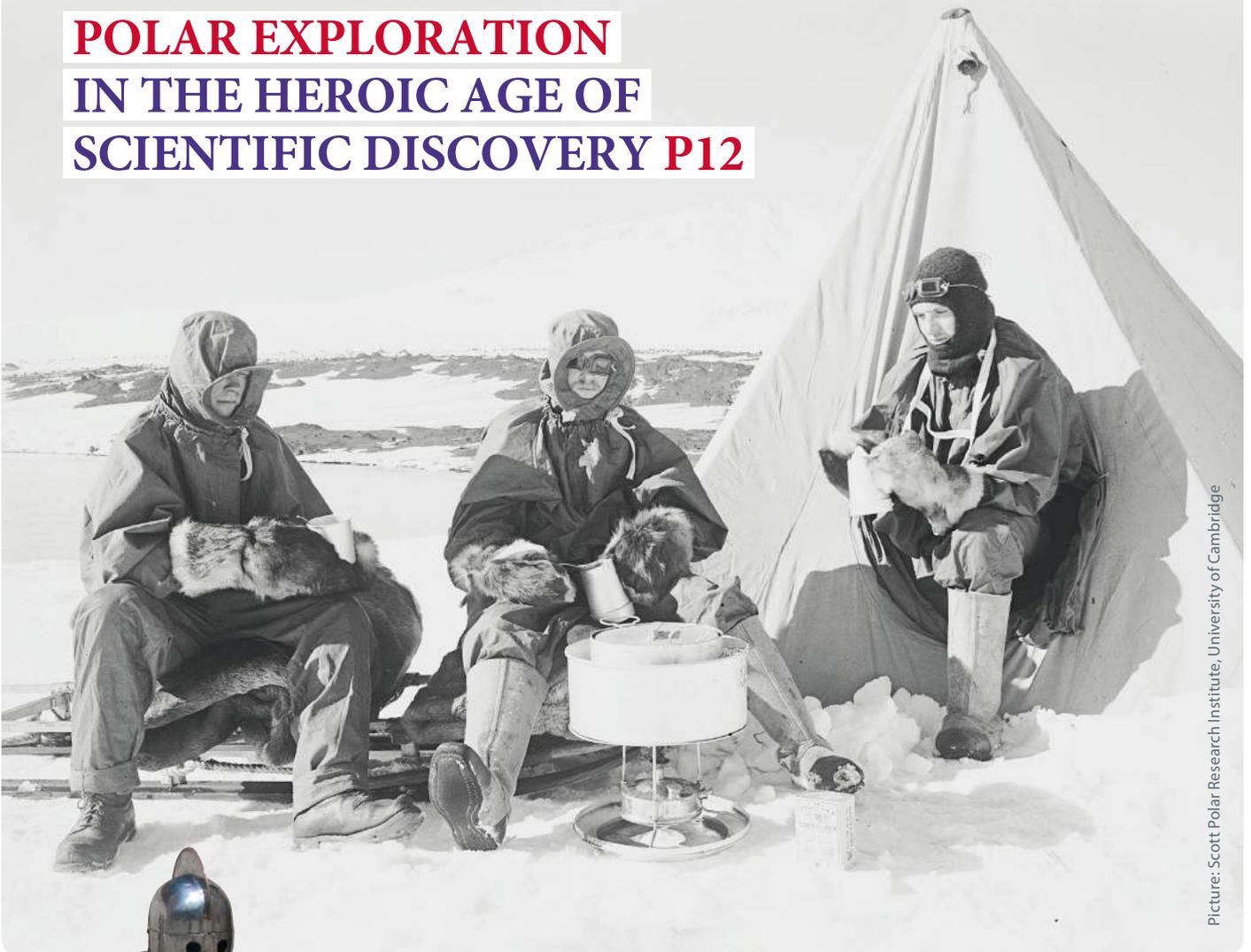


Let us surprise and inspire you with our Forward Planner, Did You Know?, Online-Safety Tip, Author of the Week, On this Day, Image of the Day
inspireme.lgfl.net

DIGITAL COLLECTIONS

THOUSANDS OF RELEVANT IMAGES & VIDEOS AT YOUR FINGERTIPS

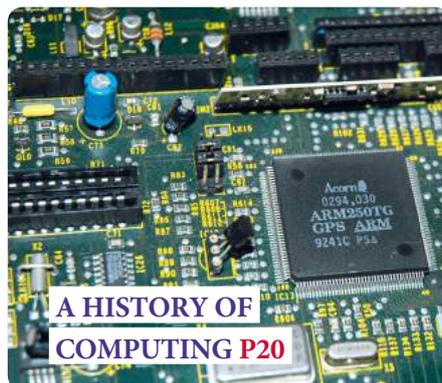
POLAR EXPLORATION **IN THE HEROIC AGE OF** **SCIENTIFIC DISCOVERY P12**



Picture: Scott Polar Research Institute, University of Cambridge



THE ROMANS
IN LONDON P14



A HISTORY OF
COMPUTING P20



IMAGE BANK P22

POLAR EXPLORATION

IN THE HEROIC AGE OF SCIENTIFIC DISCOVERY

Not many schools can manage an annual trip to the North Pole; if there is a next-best thing, surely it is the immersive effect of this multimedia resource.



OBJECTS OF INTEREST

P-p-p-pick up a Polar artefact!



Edwards Evans's sledge model

Model-making – one way to while away those long winter hours

Primus stove

Unique design lets you melt snow for drinking while you are cooking



Herbert Ponting's camera

Ponting used this camera for many of his iconic images

Penguin egg

You wouldn't want to scramble this artefact from the Terra Nova expedition



The University of Cambridge's Scott Polar Research Institute (SPRI) is one of the world's most famous bodies for the study of the science, technology, history and culture of the polar regions.

SPRI holds a unique collection of artefacts from expeditions past and present, from the eponymous explorer who gave his name to the Institute right through to modern-day adventurers.

And while the materials used for the gloves and goggles may have changed somewhat (you can investigate old and new within the resource), the challenges remain the same, and lessons learned from the first expeditions are still saving lives today!

LGfL was given unique access to the SPRI archive and its polar experts to create this cross-curricular resource, which includes lesson plans tailored to the Key Stage 3 and 4 English curriculum.

The resource includes video footage of equipment and artefacts from the most famous expeditions, complete with text transcripts, plus high-resolution photographs of objects featured in the video footage, as well as journal extracts read by a descendant of one of Captain Scott's Discovery expedition.

There are also opportunities to meet a modern-day polar explorer and hear of his experiences living for extended periods of time in some of the world's most extreme environments.

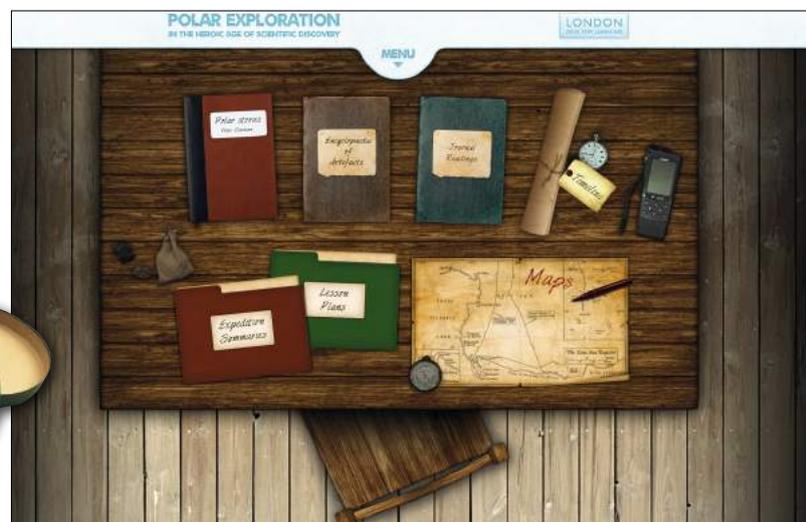
It would be easy to pigeonhole 'Polar Exploration in the age of Scientific Discovery' as a Geography resource, but the Key Stage 2 lesson resources (created by curriculum experts) also span Art & Design, English, Geography, History, Computing, Maths and Science.

From working out how dogs pull sledges and what the best snow goggles are, to thinking about the rations needed to keep you and your huskies alive (but not weigh you down more than necessary), there is much more to this resource than meets the eye.

Students are encouraged to immerse themselves into the lives of the explorers, aided by the hundreds of HD images and high-resolution images, plus interactive timeline and Google Map interface – take a look at how the inside of Scott's preserved expedition hut looks today.

Explore – engage – inspire...

polar.lgfl.net





DID YOU KNOW?

Herbert Ponting was one of the most renowned photographers of his time and a pioneer in the use of the camera in extreme conditions; he liked to be referred to as a 'camera artist'.

Pictures: Scott Polar Research Institute, University of Cambridge



POLAR EXPLORATION
IN THE HEROIC AGE OF SCIENTIFIC DISCOVERY

LONDON
DISCOVER SOMETHING GREAT

MENU

Weddell Sea

- Adventure Map
- Full Area Map
- Show Key

Secret Expeditions

- Discovery
- Narcus
- Tony Nove
- Endurance
- Graham Land

Key Events

- 1 Entering the pack ice
- 2 Trapped in the ice
- 3 Endurance abandoned
- 4 Endurance sinks
- 5 Ice begins to break
- 6 Elephant Island
- 7 South Georgia
- 8 Hut Point

Trapped in the ice

Endurance becomes stuck in ice. Endurance is abandoned.

South Pole

“ Legionnaires, cavalry horsemen, auxiliaries... Roman London had a mix of soldiers from across the empire. ”



THE ROMANS IN LONDON LONDON

Menu ?

Welcome to The Romans in London Learning Resource

This resource has been created by Roman London expert, Jenny Hall, formerly Senior Roman Curator at the Museum of London. This resource features unique video explanations of exciting remains and objects, both real and replica. This offers a large amount of resource material to enable teachers to tell the story of Londinium without leaving the classroom and for students to access information to enable further research when learning from home.

FIND OUT MORE

bett
AWARDS 2013
FINALIST

THE ROMANS IN LONDON

What have the Romans ever done for us?
Find out with the help of LGfL and the Museum of London.



DID YOU KNOW?

Learn more about the Romans

Gladiators ready!

You wouldn't want to get in trouble in Roman times; criminals and other undesirables were often forced to become gladiators. Most died in their early 20s after only a few contests.

Gifts for the Underworld

The Romans believed that people travelled to the Underworld when they died. So they were buried with food for their journey, coins to pay Charon the ferryman, and pendants of mythological creatures like Medusa to protect them from evil spirits.



Alongside Camulodunum (Colchester), Londinium (London) was a key Roman settlement throughout the time of the empire. The capital would be unrecognisable today without the influence of Paulinus, Claudius et al.

The Romans in London typifies the LGfL approach to learning resources. The first step to this simple-but-effective process is working with undisputed experts: in this case, it meant calling on the Senior Roman Curator at the Museum of London for access to expertise, artefacts and insights.

Step 2 is to use the latest technologies to bring images and videos into the classroom in such a way that pupils are transported into the world they are studying. In practice, this means marrying engaging expert explanations

(on location, of course) with professional presentation and tangible links to everyday life, and to the world pupils live in today. A good example of this in action is the use of Google Map technology to show Roman sites as they look today.

Step 3 is to provide a wrap of teaching resources written by curriculum experts to tie everything together and link it to the National Curriculum.

And Step 4 is to ensure different routes into the content. For example, teachers wanting to add quality materials to existing medium-term plans can use the resource bank functionality to search according to image, video, theme, type of material, etc.

The Romans in London was a finalist in the digital collections category at the Bett Awards – confirming further the wisdom of this strategy.

The Romans remains core to the revised Key Stage 2 History National Curriculum, but cross-curricular lesson plans for Art, Design Technology, English and History make the era ideal for broader project-work in the classroom.

romans.lgfl.net

OBJECTS OF INTEREST

Learn more about Roman objects

Leather shoe

These boots were made for walking



Gold medallion

Made to celebrate London being saved

Replica bronze military dagger

No soldier's tunic was complete without one



Bust of Mithras

God of the sun and heavenly light



INTERACT WITH OUR MAP OF ROMAN LONDON



THE TUDORS IN LONDON

There's more to Henry VIII than Greensleeves. Discover the Tudors' lasting legacy in London.

DID YOU KNOW?

The world of Tudor facts

Eating and drinking

Tudors didn't use forks, as they hadn't been invented. But they did take a spoon wherever they went.



London Bridge

There was only one bridge over the Thames in Tudor London, but you might not have even known you were on it: the sides were lined with shops and houses so you would rarely see the river. It was still worth a visit though – traitors' heads were displayed on spikes at the end.

OBJECTS OF INTEREST

Learn more about Tudor objects

Fuming pot

This was used to burn sweet-smelling herbs, thought to prevent the spread of plague.



Toying around

Fear not – there was still time for fun and games in Tudor London. Well-to-do children may have had the chance to play with these metal dolls from around 1550.



Do your students know when forks were first used, or that rich people imprisoned in the Tower of London were allowed visitors and even servants (it was rather different for the poor prisoners)?

The Tudors in London gives the answers to these and many more questions your students would never think to ask but would love to know about.

The resource helps develop a historical context in which to appreciate how events of 500 years ago still impact London life today.

A great fit for the KS2 History requirement to engage in a 'local History study', The Tudors in London includes cross-curricular teaching resources

for Art, Design Technology, English, Geography, History, Mathematics and PSHE.

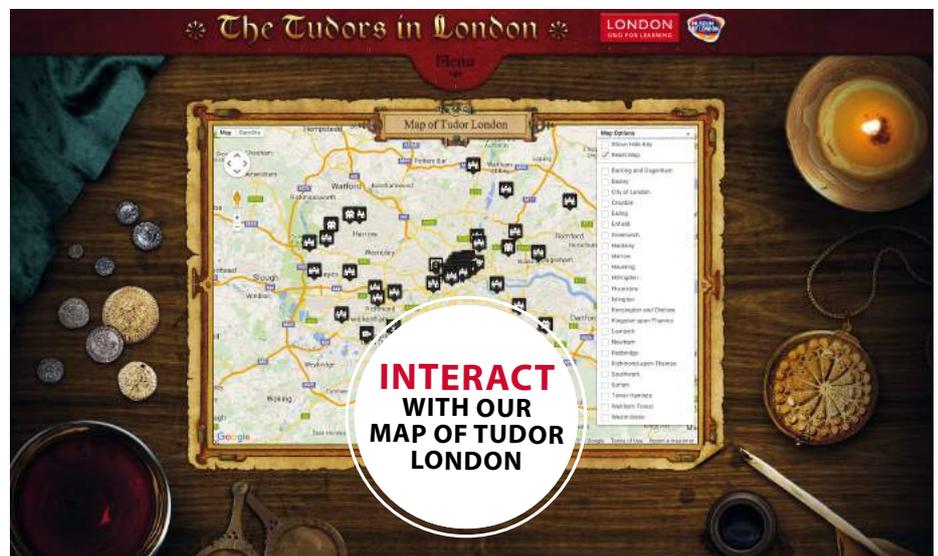
Lesson plans suggest classroom-based activities to help teachers make the most of the wide range of resources within the historical archive.

Over 140 high-quality video clips and 60 high-resolution images from the Museum of London, Royal Collection Trust and key Tudor locations in London are ideal for immersing pupils in the Tudor way of life. These include, for example, professional re-enactments of Tudor life at Court, filmed exclusively for LGfL at Hampton Court Palace.

Schools generally have limited access to many of the artefacts and some of the locations featured in The Tudors in London (e.g. the Rose Theatre and Charterhouse).

LGfL is providing comprehensive online access to locations that teachers would never normally be able to integrate into programmes of study – and all with the expert guidance of a Museum of London curator.

tudors.lgfl.net



INTERACT WITH OUR MAP OF TUDOR LONDON

TUDOR CLOTHING

A rich Tudor lady might have 100 pins holding her outfit together; it would take up to two hours to get dressed – even with the help of a maid.



Picture: Royal Collection Trust © Her Majesty Queen Elizabeth II 2016



LESSON PLANS

From 'Designing a Tudor Headdress' to 'Mapping Tudor London', LGfL curriculum experts have designed a wrap of lesson materials to help teachers get the best from the high-quality resources with relevance across the curriculum.



AUDIO NETWORK

Includes
60,000+
audio files

Over 60,000 professionally-recorded tracks licensed for educational use. No getting caught out by copyright law; No need for poor-quality rippoffs.

IT COULD BE YOU

It was just another Monday morning at St John's Primary. Parents were phoning the absence line and delivering forgotten lunchboxes, and the photocopier had jammed again.

Then the letter arrived. American copyright detectives had sent a 'breach of copyright' notice for an illegal copy of a hit song on a class blog.

It was a pupil video, and it was educational. But the lawyers didn't want to know. The school had 4 weeks to pay up \$10,000 or be taken to court.

NO NEED TO FALL FOUL OF THE LAW

Online tracking makes it foolish as well as illegal to breach copyright in this day and age. But in an LGfL school, there really is no need.

On behalf of London schools,



“ You can even search by mood – try *scary, jolly or angry!* ”

LGfL has licensed the Audio Network database for teachers and pupils for educational use – in school and at home.

QUALITY AND QUANTITY?

Audio Network is not just another

compilation of unwanted tracks and poor covers.

With recordings of professional musicians (often entire orchestras!) by professional engineers in professional studios (heard of Abbey Road?), LGfL schools can use over 60,000 tracks, spanning a wide range of genres, styles, instruments, composers, etc. You can even search by mood - try *scary, jolly or angry!*

Once you have found your perfect track, you can stream it live, save it to your favourites, or download it in .WAV or .mp3 format.

But Audio Network isn't just a gift for the music teacher – why not explore mood and atmosphere in literacy, or a historical era in History and Art?

audionetwork.lgfl.net



AUDIO NETWORK TV

Go behind the scenes at Audio Network; see how professional musicians work. Do you need big hair for 'Big Hair Rock'? Find the answer to this question and many more.

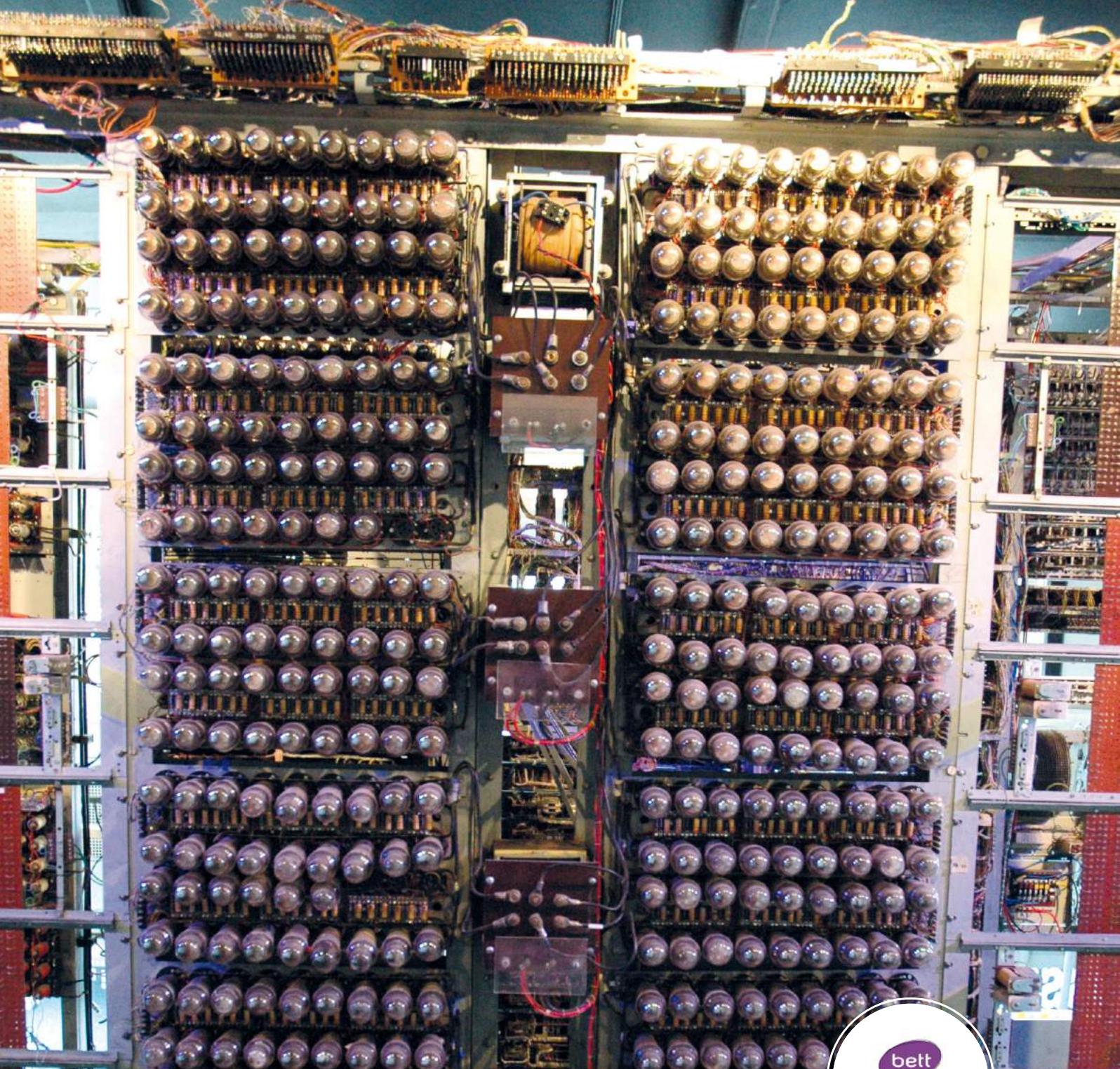
Music isn't just for musicians! From the makers of Audio Network, Audio Network TV gives us an insight into the recording of some of the high-quality music tracks available to all LGfL-subscribing schools.

We meet producers, engineers, studio owners, conductors and musicians, and see how they work together to make some of the greatest tracks ever heard.

From music producer Steve Levine and the Royal Philharmonic Orchestra on recording at Abbey Road Studios, to Ray Davies on big bands, and metallers on 'big hair', Audio Network TV opens the door to the recording process, and gives an insight into the professionalism of all those involved in creating a track.

audionetworktv.lgfl.net

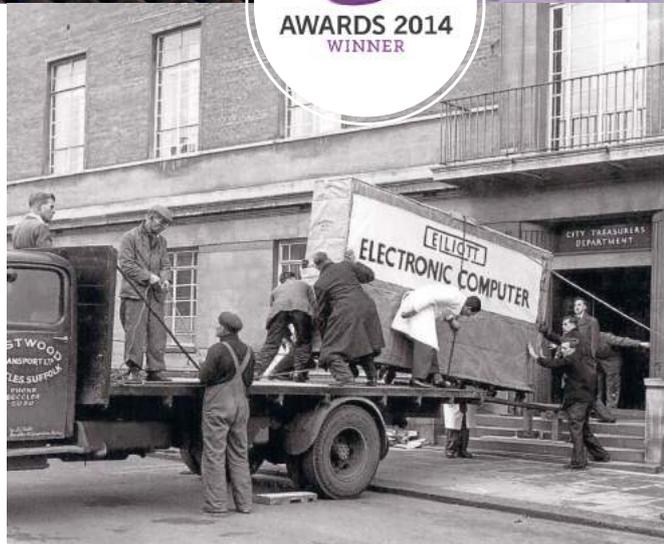




DID YOU KNOW?

Learn more about the Elliott 803

The Elliott 803 was one of the first ever mass-produced (over 200) computers. Before this time, you would have to build one yourself. The Elliott was so large that it was delivered in several lorryloads. Here it is (or rather one part of it) being delivered in 1961.



A HISTORY OF COMPUTING

Playing the ‘imitation game’ – helping the developers of tomorrow understand the relevance of lessons learned by the pioneers of computing.

Winner of the 2014 Bett Award for best Digital Collection and Resource Bank, The History of Computing has become one of the most popular resources available from LGfL.

Importantly, it is not an attempt to provide blanket coverage of the entire new Computing National Curriculum, but to offer a unique insight into the people and products that formed the bedrock of modern computing.

Produced in partnership with and on location at The National Museum of Computing, Bletchley Park, and Manchester’s Museum of Science and Industry, this resource features

video footage and high-resolution photographs of many of the iconic British computing systems used since 1940, including the Colossus Mark II system – restored to full working order.

For each system, Input, Processing, Storage and Output are deconstructed and placed within a societal context, and experts explain how the systems function and what role they played in advancing our work and leisure activities.

Resources include learning support material for the revised Computing National Curriculum and Key Stages 2-5.

The History of Computing aims to show that an understanding of our digital heritage is critical for shaping our digital future.

British computing developments have significantly influenced the world we live in. These unique materials show how home-grown innovations continue to impact on our world today and shape all of our tomorrows.

hoc.lgfl.net

DID YOU KNOW?

Colossus (main image) was one of the first-ever electronic computers. It was built to break German coded messages during WW2 and would easily fill a large room.



PEOPLE OF INTEREST

Learn more about the people behind the development of modern-day computing

Tommy Flowers
designed and built Colossus



Alan Turing
is regarded as the founder of computer science

Sir Clive Sinclair
invented the first affordable electronic pocket calculators and home computer



OBJECTS OF INTEREST

Learn more about computers

Tape reader
for the Elliott 803. Used to input data on perforated paper



ICL mainframe data storage disk

Teleprinter
within Colossus for outputting readable results



Sinclair ZX Spectrum



OVER
1,000
HI-RES
IMAGES



Picture: Royal Collection Trust © Her Majesty Queen Elizabeth II 2016

IMAGEBANK

“My, my! At Waterloo Napoleon did surrender...”
Whilst Abba might have some historical insights, a better way to study the famous battle might be with a collection of super-high-definition images from the British Library.

The new LGfL ImageBank was launched in late 2015, and is home to an expanding set of image collections licensed from national cultural institutions including the British Library and Royal Collection Trust.

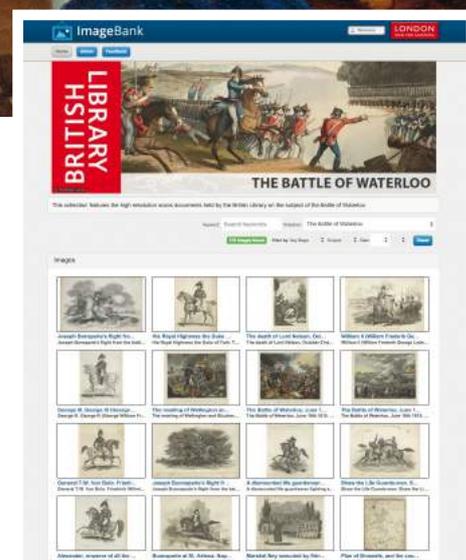
All the images are in extremely high resolution and include many paintings on display in famous collections, not to mention those which cannot currently be seen anywhere in the UK.

The nine Royal Collection Trust collections are curated selections of works displayed during RCT exhibitions at royal palaces around the country.

And thanks to the generosity of the



Picture: © The British Library



British Library, the Magna Carta can now put in an appearance in your classroom.

Much more than an Art resource, the image collections have applications across the curriculum – from History, to Biology, to Geography.

Each image has been checked for appropriateness for use in an educational context, and uniquely, can be downloaded in high resolution for educational purposes.

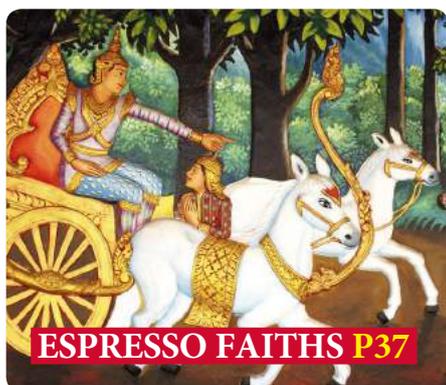
imagebank.lgfl.net

LEARNING RESOURCES

WITH 74% COVERAGE OF THE NATIONAL CURRICULUM, YOU'RE BOUND TO FIND LGfL CONTENT THAT WILL ENRICH YOUR TEACHING



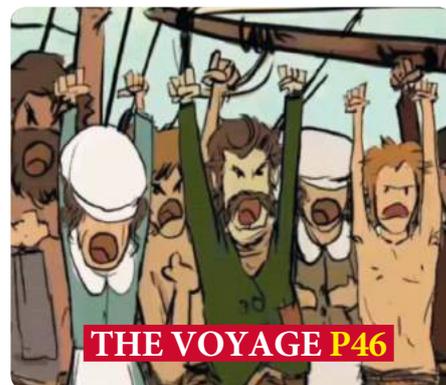
DEVELOPING BRITISH VALUES P38



ESPRESSO FAITHS P37



READINGZONE LIVE P40



THE VOYAGE P46

LEARN MORE WITH LGfL – READ ON TO FIND OUT MORE

HAVE YOU SEEN THE LATEST UPDATES?



NEW Miner Birds fractions game and multiplayer updates!

The ever popular maths game now has a fractions version. Plus all Miner Birds games can now be played with up to 4 children (and of different ages!



NEW Special events and fun themes area!

Easy-to-find writing and art projects can really bring a theme to life in your classroom. There's hundreds to choose from here!



NEW activities

Busy Things content has grown even more with new activities covering Shakespeare and The Tudors, Polar Regions, Multiplication and Place Value, Online Safety and Chinese New Year, to name a few!

BUSY THINGS

Award-winning cross-curriculum activities for the Early Years, Key Stages 1 and 2. Busy Things is the exemplification of learning through play, and is always coupled with tight curriculum relevance.



It is no coincidence that Busy Things is LGfL's most heavily-used resource, with over 1 million page turns by London teachers every month.

Busy Things is a wonderfully quirky online educational resource featuring hundreds of award-winning curriculum-linked games, activities and downloadable resources.

Recent upgrades have broadened the appeal of Busy Things further, with new content and new functionality to assist teachers in planning, customising teaching and gathering evidence.

Busy Things resources quickly engage young minds and retain their interest through quality animation, vibrant colour, wacky sounds and a good injection of Busy Things humour!

A clear favourite among EYFS and KS1 teachers, where the importance

of play is never underrated, there are many activities for ages 7+ (Key Stage 2), including new resources with a more teacher-led focus.

In case there is any doubt regarding the rigorous pedagogy that underpins the world of Busy Things, it is important to stress that each and every activity is explicitly designed to support individual descriptors from the revised 2014 Primary and EYFS curricula across the Foundation Stage and Key Stages 1 & 2 (with curriculum mapping throughout).

The treasure trove of online materials within the resource is complemented by a vast clipart bank, downloadable worksheets, cut-out characters for craft activities and so much more.

Get busy with LGfL!

busythings.lgfl.net

“ I use Busy Things with children aged 3 and above as a free-access activity within the classroom, and for intervention groups. It is ideal for supporting Maths and Literacy, and the art programmes are great for encouraging creativity. I particularly like the clear challenge and progression, and the instant feedback. ”

Rhianwen Dean, Nursery teacher, Knollmead Primary School

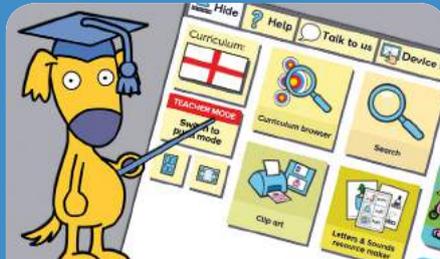
Welcome to Busy Things

Teach • Laugh • Learn



Teacher-led activities

A new range of front of class teacher-led engagement tools designed to help you introduce, demonstrate and revise topics.



Teacher Mode

Busy Things now has a dedicated teacher mode; an area full of tools to help you plan, personalise content and gather evidence.



Curriculum browser

Speed up lesson planning by finding resources to meet your teaching objectives at a click.



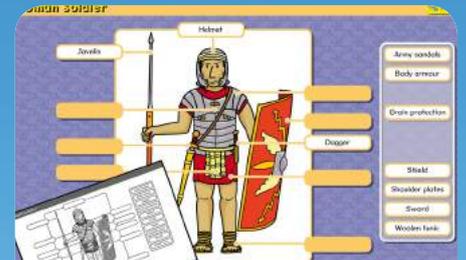
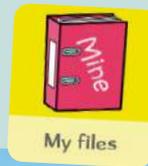
Mobile optimisation

You can access nearly all Busy Things resources on any device, making it ideal for individual use, small groups and full-class learning.



My Files area

Save, print and record children's work for individual portfolios in the NEW My Files area.



Interactive Worksheets

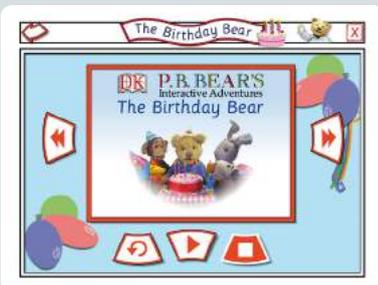
Worksheets are a new resource type on Busy Things. Label diagrams and categorise objects. Each worksheet can also be printed for offline use.



JOIN P.B. BEAR IN FIVE RIP-ROARING ADVENTURES



Pirate Island



The Birthday Bear



Rollerbears



Snow Fun



Space Poppers

P.B. BEAR'S INTERACTIVE ADVENTURES

Have your Early-Years pupils discovered the world of P.B. Bear? The cuddly friend has lots of stories and games to share... and teachers will love him, too.



"One day, P.B. Bear was at home, doing nothing in particular. There was a knock at the door. It was a parcel from P.B.'s uncle. Inside, there was a treasure map, a hat and a key..."

Each P.B. Bear story is a charming stop-frame animation and a great way to start a lesson or activity. Watch the video or use the book, which has a still image per page with accompanying text and optional audio – great for early readers.

The interactive activities and printables that accompany the stories are divided into the early years categories of Communication, Language and Literacy, Mathematical Development, Knowledge and Understanding of the World, and Creative Development.

Whether making a birthday card, using algorithms to search the treasure map or choosing cosy clothes for a snowy day, P.B. is guaranteed to remain a furry favourite.

pbear.lgfl.net

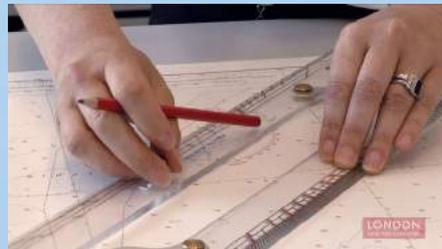


Tip: ask KS1 pupils to make PB-style animations in j2spotlight for EYFS classes



SEARCH AND RESCUE

Maths can sometimes be a matter of life and death. This exciting resource, made possible through direct partnership with the UK Maritime and Coastguard Agency, shows pupils exactly how and why.



Featuring exclusive footage of real-life rescues at sea, lifeboat and helicopter searches, and rescue coordination at the National Maritime Operations Centre, pupils can see mathematical problem-solving in action – real life, with real consequences.

Much more than a series of exciting, attention-grabbing videos and images, the resource is extensively mapped to the new National

Curriculum and includes detailed lesson plans and resources to enable pupils to apply their skills in context, solving problems for themselves.

Featuring comprehensive and differentiated support materials, topics covered include Bearings, Pythagoras and Trigonometry, Algebra, Vectors and Speed, Distance and Time.

The online assessments are designed to help teachers and students

identify possible misconceptions and gaps in the required knowledge.

Pupils may sometimes question the excitement or relevance of plotting an accurate triangle and calculating its sides, but what if the three points are a helicopter, a lifeboat and a sailor in distress, with only minutes left to save a life?

www.sar.lgfl.net

“ Problem-solving has never been so real and so relevant. ”



PLAN YOUR OWN RESCUE

Determining POD

In this example in the conditions we can find the time taken to search this resulting POD.

10mph (100% POD)	hours
20mph (80% POD)	hours
40mph (60% POD)	hours

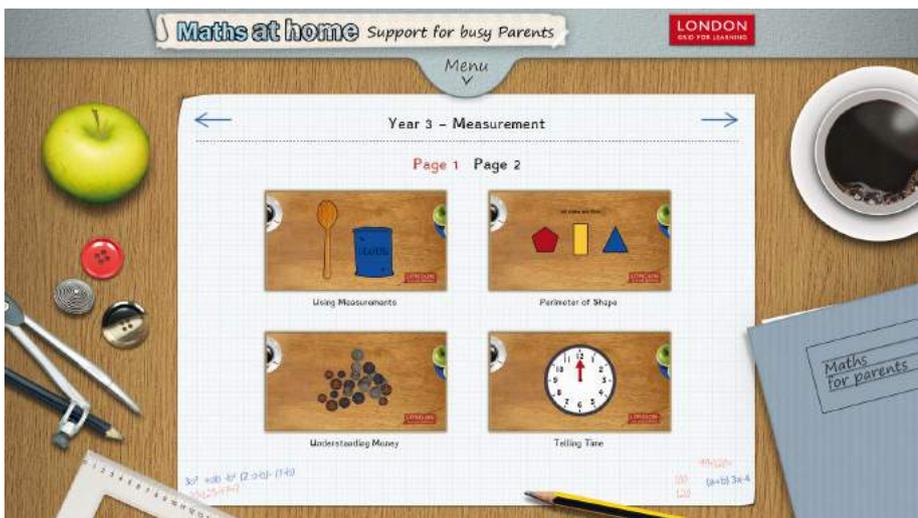
Determining search areas

The coastguard have to develop efficient search techniques.

The speed that a helicopter travels, determines its ability to detect search objects.

MATHS AT HOME

“I’d love to help with Maths at home, but I can’t. I was never any good when I was at school. Plus, they teach it differently these days; and I don’t know what they are doing anyway.” Finally, there is an answer: Maths at home: support for busy parents.



This popular resource is aimed squarely at parents, in recognition of the crucial role they play in a child’s education, but also against a background of difficulties getting to grips with today’s pedagogy.

Maths at home empowers and enables parents to help children develop mathematical skills at home, with short videos for every statement of the entire Primary Maths National Curriculum.

Each clip explains the concept in simple terms, gives a snapshot of how schools are likely to teach it, and provides fun, practical ideas for learning in and around the home. Simple fractions on a pizza, for example, or sorting socks into piles. Maths really can become part of everyday life.

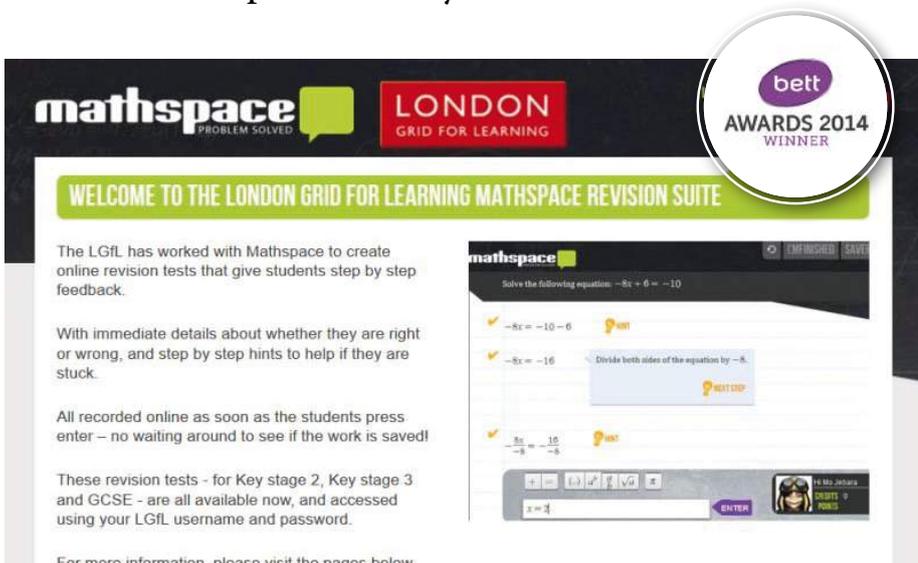
Most importantly, Maths at home videos are designed to ignite conversations and to make Maths a positive and enjoyable experience outside of school.

Why not start by introducing it at workshops or parents’ evenings?

mathsathome.lgfl.net

MATHSPACE

Revise online for end of Key Stage tests with the Mathspace LGfL revision tests. Students get step-by-step feedback as they work through the questions. Teachers see marked workings-out for every student and can check misconceptions as they arise.



This Bett Award winning resource is an LGfL evergreen.

Why? Ofsted has criticised online resources for giving “no attention to how well the work [is] set out, or whether correct methods and notation [is] used.”

The unique advantage of Mathspace, which differentiates it from the surfeit of other online maths resources, is that it does much more than automatically check students’ answers and feed data back to teachers.

As students progress through the tests, they get instant feedback on every step they take, with hints given for every incorrect working. Mathspace also automatically creates tailored revision tasks to further aid their learning.

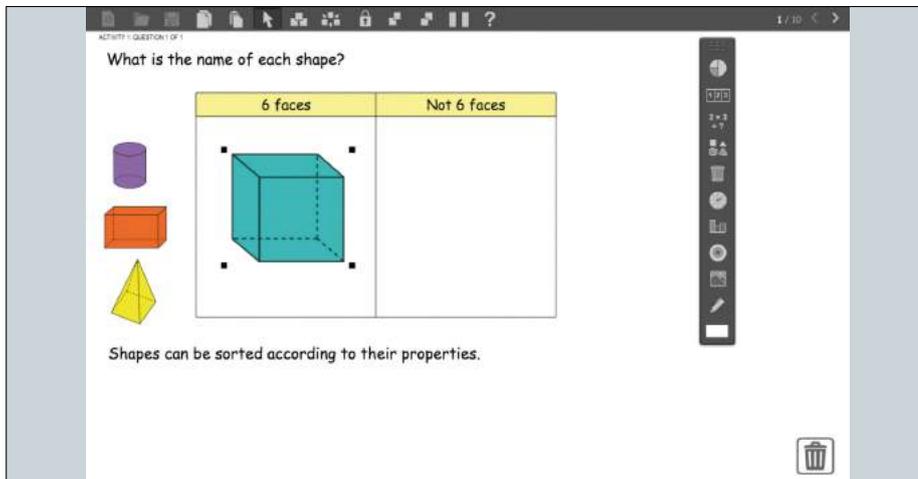
Teachers receive class and student breakdowns, but are also able to drill down to see workings-out for every student.

There are five Mathspace tests for Key Stage 2 Primary Maths students.

mathspace.lgfl.net

MULT-E-MATHS

Fresh look for this KS2 interactive-whiteboard resource.



“ I regularly use Mult-e-Maths as a visual and interactive way to introduce or develop an area of mathematics. The children love to come to the whiteboard and get involved, and the innovative activities often become the basis of further investigation. ”

Year 6 Teacher, John Ball Primary School

Mult-e-Maths has been on LGfL for many years, but the popular interactive-whiteboard resource for Key Stage 2 has had a total refresh and rebuild, with new activities, lessons and worksheets to accompany the activities – now compatible with all devices.

The resource has between seven and nine modules for each of Years 3-6, with between 40 and 50 lessons across each yeargroup.

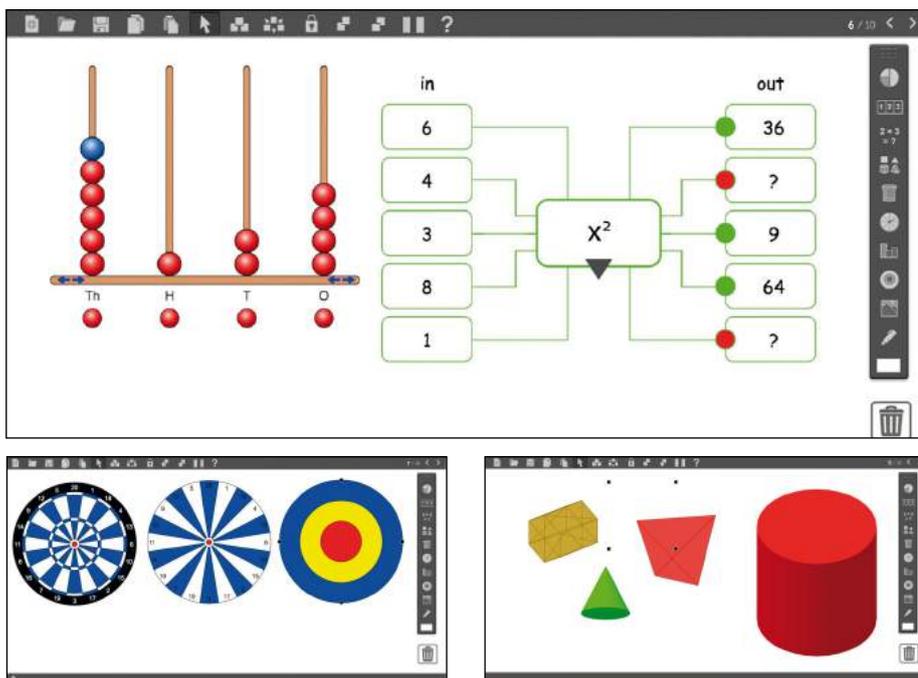
The IWB activities have clearly-mapped curriculum links and can be manipulated using a series of flexible tools that will be familiar to the Maths teacher, giving the flexibility to transform and add to the graphs and objects in a variety of ways.

The update will be appealing for teachers familiar with Mult-e-Maths, as well as those new to the resource. And whilst the IWB activities are made for the classroom, lesson plans and worksheets help to extend learning beyond the school day.

multemaths.lgfl.net

MATHS TOOLBOX

A flexible, interactive whiteboard resource for explaining difficult teaching points with high visual impact.



The Maths Toolbox is a highly versatile resource, designed to enhance mathematics teaching and learning.

It is the ideal resource to support creativity and to help make effective use of an interactive whiteboard or tablet devices when working with a group of young mathematicians.

The Maths Toolbox complements any existing maths scheme with visual presentations of mathematical ideas that make them easier for children to understand:

- Creative, rich maths software for the interactive whiteboard
- Set up maths activities to suit your learning objectives, save the file and have everything ready to teach
- Set up progressive pages to give your lessons a clear structure and help you to maintain a good pace
- Share saved lessons across a network, email them to colleagues, or set them up at home and email them to yourself at school.

mathstoolbox.lgfl.net



BRAZIL - ROSEMARY



INDIA - PANJY



LATVIA - MARTENS



PAPUA NEW GUINEA - ANGELA



SOUTH AFRICA - JUSTIN



CHINA - KAY KAY



UK - HAYLEY



SOUTH AFRICA - VUSUMZI



KENYA - ERODO

**11
REAL-LIFE
STORIES**

GROWING UP AROUND THE WORLD

Eleven lives, eleven dreams, eleven countries... one life cut short!
What's it like growing up around the world?



Over more than two decades, charity tve followed the lives of 11 children in 10 different countries to make a series of groundbreaking films.

A precursor to the BBC's "Child of our Time" series, this resource provides a unique insight into what it means to grow up in different parts of the world; the challenges, hopes and dreams of the 11 children and the impact of the world around them.

Growing up around the World aims to help UK children understand the realities of childhood in different contexts. Strikingly, many of the struggles and challenges the children encounter are universal, from the UK to South Africa to India.

Designed for use in Citizenship, PSHE or Geography lessons, the videos introduce Key Stage 2, 3 and 4 pupils to human rights, building an understanding of the issues facing

people around the world, specifically regarding education.

These are real stories, including poverty, unemployment and death, so this resource aims to provide schools with a safe space in which to tactfully address these complicated issues.

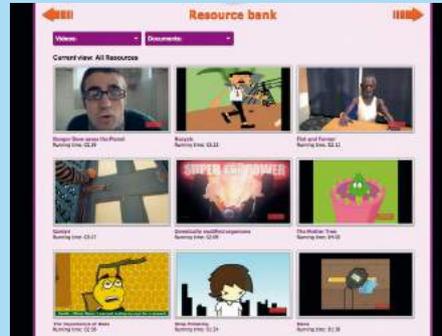
Particularly useful in multi-cultural London classrooms, the resources come with a comprehensive teacher pack with full lesson plans, starter activities, sample worksheets, a dictionary of key terms and tips for expanding on the material provided in the resource.

This also includes ideas to help pupils get involved with human rights and take action about issues they are passionate about, through social media campaigns, blogging, organising debates, petitions and writing to decision makers.

growingup.lgfl.net

TVE RELAY – INSPIRING CHANGE

Environmentalism always starts in the local environment. Get your students talking on camera about the issues that affect them; then hand on the baton in the tve relay.



From overfishing to battery recycling, from the extinction of species to gardening, tve relay gets to the heart of the environmental problems troubling the policymakers of tomorrow.

22 young people from across the

world made the original videos about issues of concern to them. These clips were created by a relay, where each filmmaker selected the next one.

The footage and accompanying five lesson plans are relevant to the

curriculum in their own right, but pupils in LGfL schools are now encouraged to take up the challenge of creating their own film to convey a personal message about the environment.

The VideoCentral HD service can be used to share your creations; suitable videos will be added to the relay resource in future.

“ It is great that young people can explore some of the key challenges and threats facing our precious planet today, through the creativity of filmmakers and animators around the world. ”

Cheryl Campbell, tve Executive Director



SWITCHED ON SCIENCE

If this doesn't leave pupils and teachers switched on, then what will?

100% coverage of the Primary Science curriculum, including video demos for teachers.

"Science is Science, whatever the curriculum says." Perhaps true, but...

When the National Curriculum was revised for September 2014, the core principles of Science did not change. However, there is now a greater focus on working scientifically, and this is where Switched on Science comes into its own.

Licensed by LGfL from Rising Stars for all London schools, this resource is a great example of when to licence a commercial product on behalf of all schools when it offers the best value for money.

Switched on Science isn't about ticking boxes: although full Primary curriculum coverage is not to be sniffed at, quality and depth are always top of the LGfL priority list.

The resource is clearly divided into the six year groups, and further subdivided into six modules (ideal for a half-termly project) with medium-term plans and mapping to other LGfL resources you may be using.

For each module, whether "We are astronauts", "Young gardeners" or "Dinosaur hunters", the teacher has extensive pre-teaching support (if they want it – there's nothing to stop you diving straight in) in the form of extensive teaching PowerPoints



NEW:
36 NEW
PUPIL VIDEOS
ADDED SINCE
LAST YEAR

and in-depth lesson plan with ideas suggested activities.

One of the most valued elements of the Switched on Science resource is the 'Science in Action' video for each module, which shows a real teacher

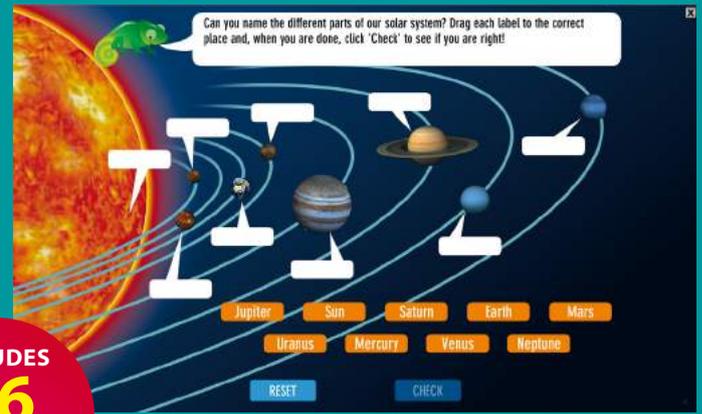
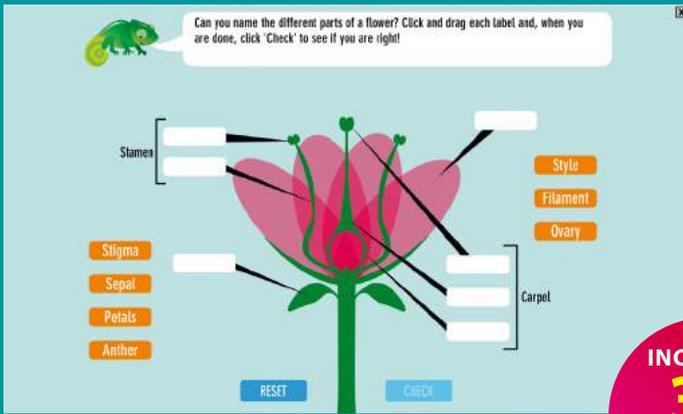
sitting at a desk in a London classroom demonstrating an experiment that shows how you might bring that module to life. And new in late 2016, there are now pupil videos for each unit.

No-one doubts the creativity of teachers, but if you're still marking when bedtime arrives and there is still planning to do, these videos may be the spark of inspiration you need.

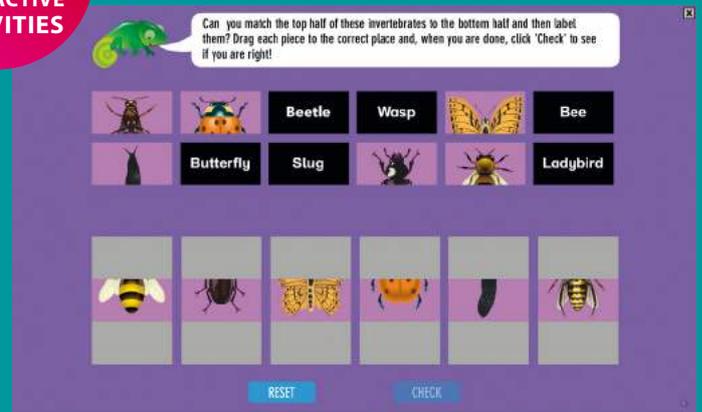
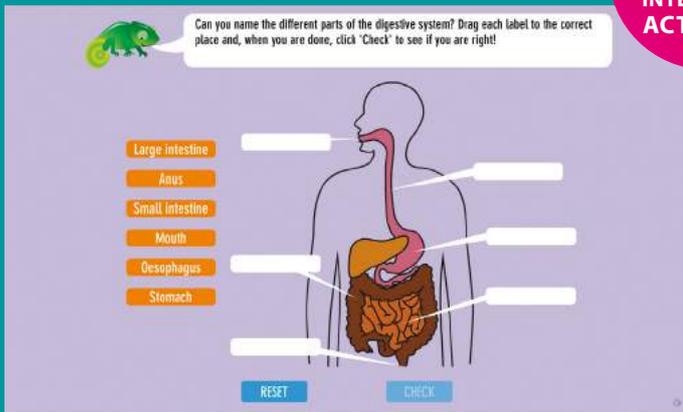
Once you are in the classroom with your 'Brilliant Scientists' and 'Little Masterchefs', each presentation is supplemented by a set of worksheets, as well as interactive activities that allow pupils to show what they have learned.

Already one of the most popular LGfL resources in the short time it has been available, feedback from teachers has been exceptional. And remember, as with all our resources, you do not have to take it all – have a look and see if you can spice up existing schemes with a bit of Switched on Science magic.

sos.lgfl.net



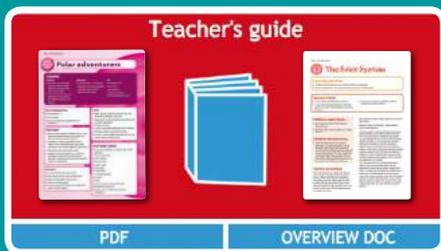
INCLUDES
36
INTERACTIVE
ACTIVITIES



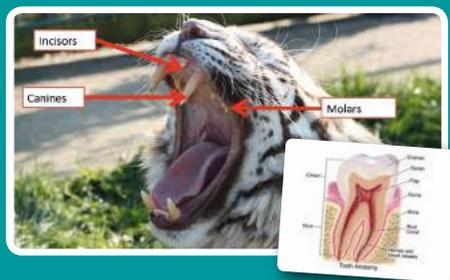
SWITCHED ON SCIENCE COVERS ALL THE BASES

36 modules with 36 lesson plans, 36 interactive activities, 36 videos showing *Science in Action*, 36 extensive teaching PowerPoints, 36 sets of printable worksheets, 6 medium-term plans and 6 mapping documents to help you get the best from other LGfL resources.

TEACHER GUIDES



TEACHING SLIDES



PUPIL WORKSHEETS



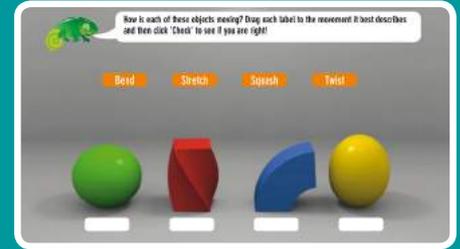
SCIENCE IN ACTION VIDEOS



MAPPED TO LGfL RESOURCES

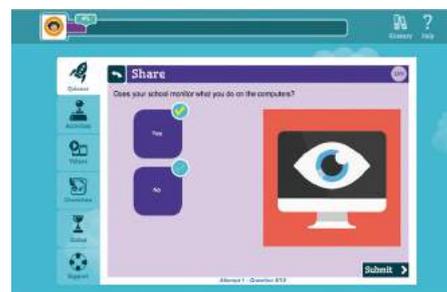
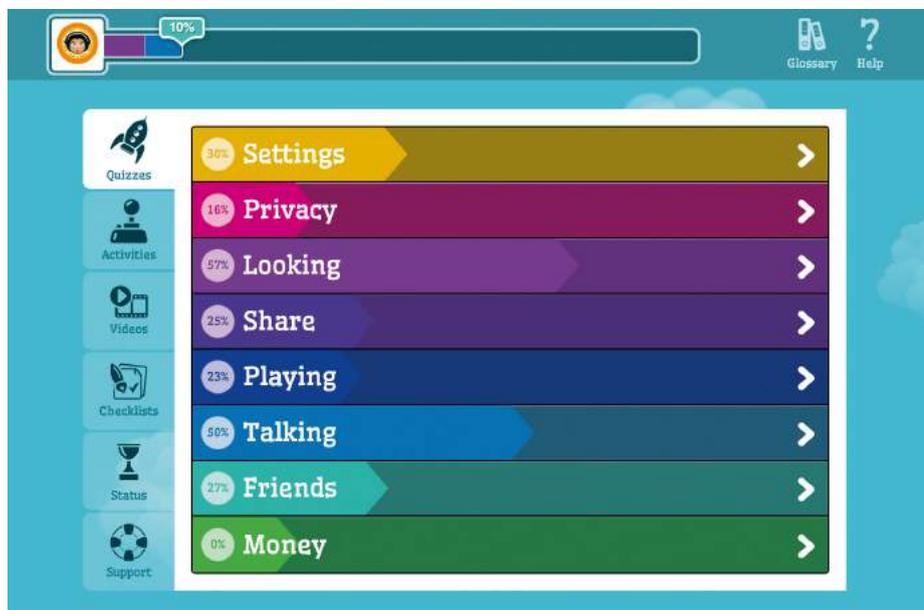


INTERACTIVE ACTIVITIES



CYBERPASS

LGfL is providing teachers with a trackable, data-rich, competence-based online safety assessment and training tool, but at the heart of this innovation is a new approach.



CyberPass embodies a new approach to online-safety education, turning the conventional wisdom on its head on how to tackle this key topic.

It presents the flip-side to traditional lesson sequencing: rather than delivering a series of lessons on predefined topics and then testing pupils on their abilities, CyberPass helps teachers identify strengths and weaknesses in the first instance, in order to target time and resources on the

topics children really need support with.

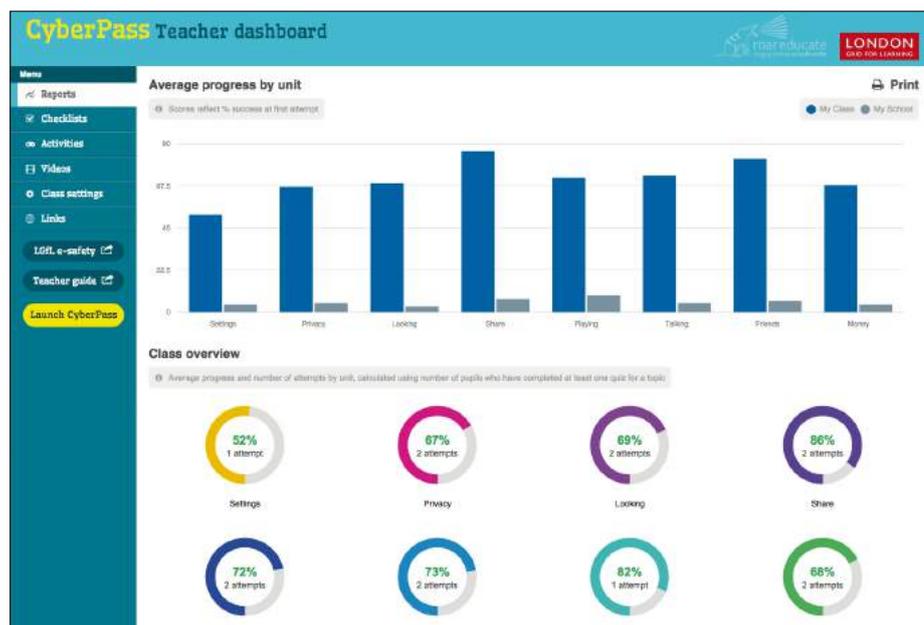
Students take a quiz on one or all of the eight key online-safety themes, then teachers view the rich data on pupil performance broken down by theme, competence, and/or question, before tailoring and differentiating their teaching accordingly for this time-pressured, important curriculum area.

There are also videos and interactive lesson materials tailored to the eight themes that teachers may choose to use.

LGfL has long been at the heart of the online-safety agenda, protecting children with cutting-edge network and security features. We also provide help, advice and resources for the classroom.

CyberPass is part of our response to the rapidly-changing landscape and teachers' needs, as they are tasked with producing and safeguarding the next generation of digital citizens.

cyberpass.lgfl.net



WHY CYBERPASS?

CyberPass can be accessed anytime, anywhere; it can be approached in various different ways; and the built-in resources can be used or disregarded – the teacher can decide.

But what makes it unique is the ability to take a snapshot of learners' competencies and knowledge before and after teaching time.



Sara Khan and Matthew Goodwin's views are often sought by government and media; they offer information, insights and advice to help schools navigate this difficult area

Sara Khan from counter-extremism and women's-rights organisation Inspire



COUNTER-EXTREMISM

Empowering teachers to address one of the most sensitive yet important school duties.

'Counter-Extremism: narratives and conversations' is a video resource designed to enable and empower teachers to discuss and respond to conversations about extremism.

Initially launched in time for the enactment of the Counter-Terrorism and Security Act 2015, it has been put to good use thousands of times across the United Kingdom in schools, community centres, council offices and homes.

The new act made schools "specified authorities" with the duty to "have due regard to the need to prevent people from being drawn into terrorism".

This presented a significant challenge for schools, where concerns were raised about lacking expertise for dealing with this sensitive issue, coupled with the potential to damage relationships with pupils and parents.

Headlines such as "Anti-terror plan to spy on toddlers" only served to

increase unease amongst professionals.

Against a background of teachers eager to 'do their bit' but wary of the consequences, LGfL created this online CPD resource for teachers and other professionals working with young



Matthew Goodwin, extremism expert at Chatham House and the University of Kent

people. Given the importance of the subject matter to schools across the UK and beyond, it was decided to make it open-access for all schools to use.

The existing ISIS section with Sara Khan from counter-extremism and women's rights organisation Inspire has now been complemented by a series of videos on the far right, voiced by Matthew Goodwin. Matthew is a Professor of Politics at the University of Kent, and Associate Fellow at Chatham House.

The resource takes the form of 32 question-based clips spanning four thematic sections and two forms of modern extremism, with questions such as "Why do certain groups of young people engage with the ISIS narrative?", "What can we say to young people who think all immigrants are bad?", and "What is the most important message about Islam that counters the ISIS viewpoint?"

counterextremism.lgfl.net

ESPRESSO FAITHS

What better way to foster understanding of the six major world faiths than by seeing them through the eyes of London schoolchildren.

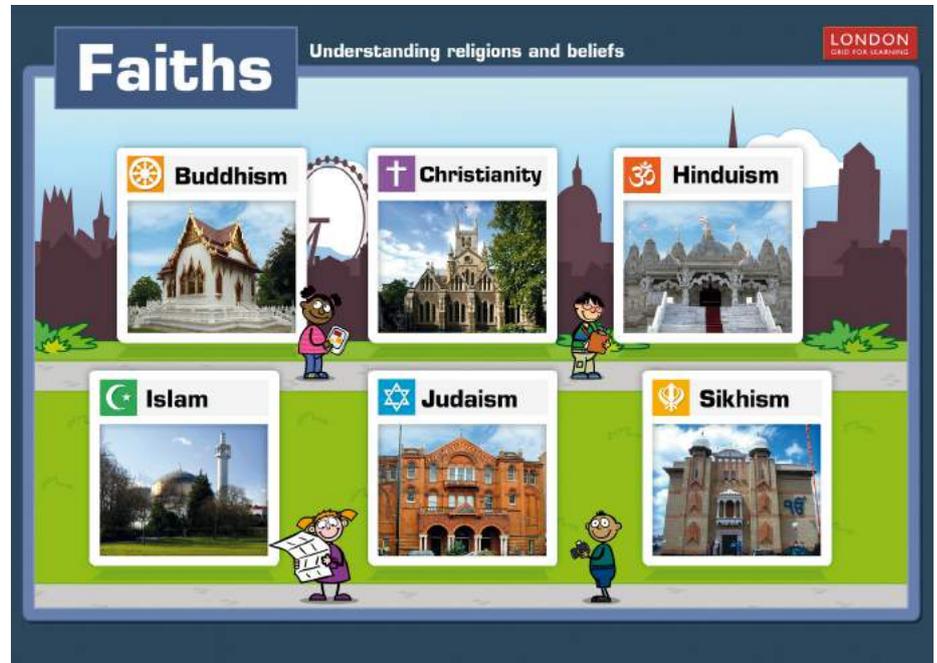
Commissioned by LGfL, Espresso Faiths looks at the six major world faiths as found in London communities, with schoolchildren explaining their faith to their peers.

Updated to ensure the closest fit with the new curriculum, Faiths offer important support for the development of inter-faith tolerance and understanding across London.

Each of the six world faiths covered in the resource are described in detail, including origins, main beliefs and practices; each section includes videos, activities, fact-files, parables and more.

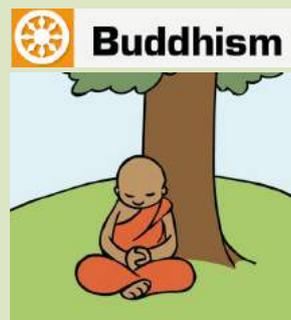
Ideal for Key Stage 2 and 3, Espresso Faiths also has new quizzes to test comprehension and reinforce understanding.

faiths.lgfl.net

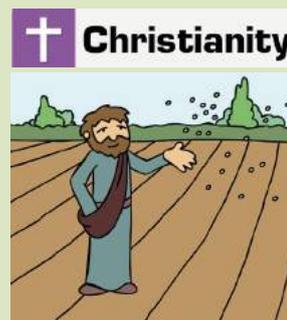


All sections feature extensive video, on-screen activities and downloadables, plus images, online books and factfiles

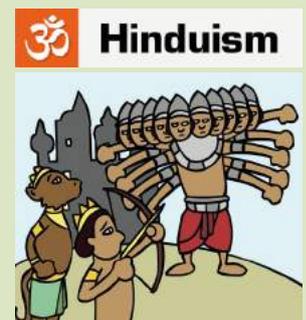
STORIES & PARABLES



The story of the Buddha



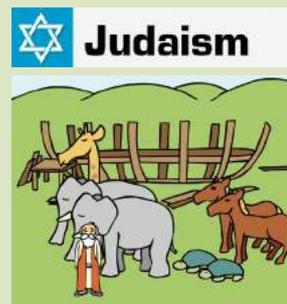
The story of the Sower and the Seed



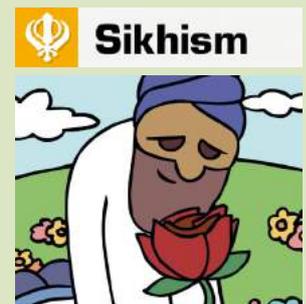
The story of Diwali



The story of the Crying Camel



The story of Noah's Ark



The story of the Rose



BALLETBOYZ

Introducing dance to a school can be a challenge, especially for boys. That's where the BalletBoyz come in. The groundbreaking project has broken down many of the entry barriers to the world of dance.



In 2007, LGfL and BalletBoyz began a unique collaboration which resulted in the launch of an innovative online resource exploring three pieces of repertoire from the BalletBoyz company.

Since that first collaboration, the company has received countless accolades and awards as it transitioned into the today's mature contemporary company, which is held in the highest regard throughout the dance world.

LGfL is proud to have once again partnered with the company to bring another new set of innovative resources to London Schools.

Many of the core elements of the new resource 'MoovBank' are now available through LGfL. The resource is divided into three distinct sections – for

Key Stages 2, 3 and 4, with the specific aim of providing guidance and materials suitable both for specialist dance teachers, and also non-specialists who teach dance.

The BalletBoyz have always believed that dance education is most engaging when students have direct access to the performer.

That's why the resources for curriculum lessons consist of short expert videos with voiceovers by company dancers who break down moves and show students how to join them together in sequences.

Filmed in their Kingston studio with BalletBoyz Company dancers, lessons are based on contact work, creativity and choreography, designed to develop students' physical health, build trust, problem solve and enhance creativity.

Detailed lesson plans are also provided for teachers, explaining how to use the videos. In addition, inspiration clips from the company repertoire are included to further encourage and inspire students and teachers alike.

Keep dancing!

balletboyz.lgfl.net

THEMES



Key Stage 2:

- Cameras and Gadgets
- City Machines
- Underwater Adventure
- Caves and Jungles
- Mountain Rangers



Key Stage 3:

- Introduction
- Contact with the Floor
- Pushing and Pulling
- Lifting and Falling
- Moving in and out of the Floor
- Partner work: In and out of the Floor



Key Stage 4:

- Intentions
- Twister
- From Solo 1 to Solo 2
- From Solo 2 to a Dynamic Duet
- Structuring a Duet

DEVELOPING BRITISH VALUES

High-quality, safe and relevant materials that foster understanding and informed debate amongst young people on issues that are hard to address in the classroom.



'Developing British Values' is a video and discussion resource which aims to meet a clear need in the education sector: supporting schools with the DfE requirement to "promote fundamental British Values as part of SMSC" across the curriculum and throughout the life of a school.

Since 2014, this has been a statutory requirement, yet many teachers and senior leaders felt that guidance was lacking beyond the official document.

LGFL's new resource brings together experts from different fields who share their thoughts on what British values mean in the real world, and provide thought-provoking discussion points

British Values can mean very different things to different people. This presents particular challenges for busy teachers, who may be unfamiliar with some of the issues involved.

for teachers and students.

British Values can mean very different things to different people. This presents particular challenges for busy teachers, who may be unfamiliar with some of the complex issues involved.

So how should a school approach this subject?

This resource does not aim to provide a set answer to the question, or indeed a simple definition for teachers and students to learn and regurgitate (although several are stated).

Rather, the aim is firstly to show pupils what British Values mean to key players at the cutting edge of international diplomacy, equal opportunities, education and culture; and secondly, to kickstart discussion.

In this way, we can help the young people of today to form balanced opinions that will inform the decisions and values of tomorrow.

bv.lgfl.net



REAL VOICES

The sad story of Alan Kurdi, the three-year-old Syrian whose lifeless body washed up on the Turkish coast, made the world sit up and pay attention. But what next?



Immigration has always been an emotive topic; the events of the last couple of years, with millions of people on the move and thousands dying at the mercy of the waves, did little to help.

Emotions run high on all sides of the argument, but LGfL recognises the importance of giving schools the resources they need to enable sensible discussion in a child-friendly way.

“ Syria is my soul, my country, my life, my land, my past and my present... It was the most difficult decision of my life. ”

Real Voices lends a human face to the crisis, telling the story of three Syrian refugees currently sheltering in Jordan.

In their own words, they tell of the pain of leaving their homeland and the difficulties faced in their host nation.

Although the videos are powerful in their own right, lesson plans, assembly resource and glossary give context and curriculum relevance, and help teachers tackle the crisis in a sensitive manner.

realvoices.lgfl.net

REAL VOICES

WORLD MAP

Real Voices from Syria to Jordan

Mahmoud Mohammed al-Masri	Um Jamal	Zainab Ali Al Soudi

The graphic also includes a map of the Middle East with labels for Turkey, Lebanon, Syria, Israel, Jordan, Egypt, Saudi Arabia, Iraq, and Iran. Damascus is marked as the capital of Syria.

READINGZONE LIVE

How can you inspire reluctant readers to read, and reticent writers to write? That is the challenge behind this resource, which brings authors to the heart of the classroom.



Teachers and pupils can take one of two approaches, focussing either on a particular author, or on a topic such as genre, planning, character, writing and so on (see more in the illustrations on the next page).

Next it is time to hear from the authors themselves. Hours of interviews are distilled into bite-sized Q&A video clips, where advice is given to pupils on how to collect ideas, what to write about, how to form a story arc, what makes a good character, and much more.

Often the advice might seem to be common sense, but a 30 second clip from a bestselling author often has slightly more effect than a parent!

But at the same time, there are plenty of hidden gems as well – who would have thought that the key to Anthony Horowitz’s success is the mid-morning Kit-Kat (other chocolate bars are available).

Ideal for starters and plenaries, the clips can be used as a standalone resource to spark a creative writing session or discussion within an existing lesson plan. Alternatively, they could easily form the basis for an entire lesson or series of lessons.

The curriculum materials have recently been refreshed and updated to include new topic pathways into the resource.

readingzonelive.lgfl.net

If you ever wondered why there is no ‘WritingZone’ on LGfL, then you’ve missed a key part of ReadingZone.

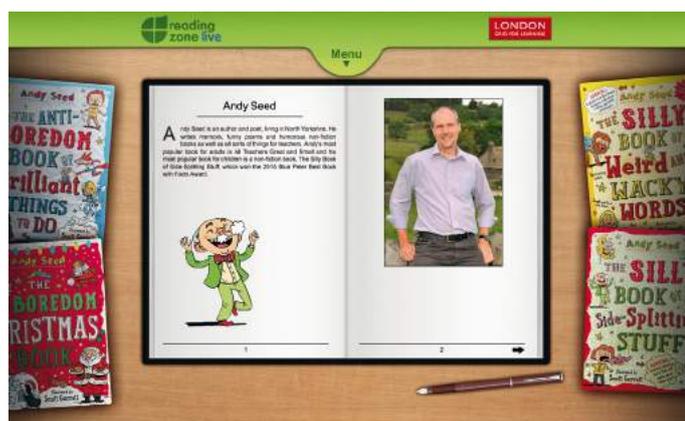
Much more than a brief encounter with an author as a special treat or to fill the Word Book Day slot (although it fits very much in those categories as well), this resource is all about driving literacy.

The authors that take their place on the ReadingZone Live bookcase cover a multitude of genres, age ranges and styles, from Holly Webb’s Secret Kittens and Tony Ross’ Horrid Henry, through

“ The only difference between successful and unsuccessful writers is that unsuccessful writers stop! ”

Author Antony Horowitz

Henry Winkler’s Hank Zipzer and Jacqueline Wilson’s Hetty Feather, all the way up to Michael Morpurgo’s Warhorse and Frederick Forsyth’s Day of the Jackal.



UNDERSTANDING THE WRITING PROCESS

The ever-expanding range of ReadingZone Live authors gives pupils a comprehensive insight into different approaches to the writing process.



Understanding the writing process

From genre to character, from editing to creativity exercises, there are so many aspects of writing to explore.



Illustration for inspiration

How do you bring a character to life in the mind of your reader? Step 1 is obviously the words. But how can illustrations help?



How does the writer...

...make things funny? ...make you feel tense/sad? ...keep on writing? ...make something powerful and convincing?



Bite-sized video clips

The questions and answers from the interview and VC are cut into manageable short clips, ideal for starters and plenaries.



THE LIVE-EVENT PROGRAMME

Live school-to-school author VCs take place at least twice a term throughout the school year, and feature some of the nation's most popular and successful contemporary children's authors.

BLOG CENTRAL

Dear Tom,

I really enjoyed reading your blog post. I like the way you used emotions. Maybe you could improve it by using longer *wow-words* like ‘breathtaking’ instead of ‘sick’.

Nathan, Adelaide, Australia

A survey by the National Literacy Trust found that children who blog not only write more, and more frequently, but also tend to have a more positive view of their writing abilities.

Why? The key to blogging success is the sense of audience and therefore real-world purpose that can be achieved for any written task.

Despite lots of column inches dedicated to blogging over the past few years, it remains a mystery for some.

Blog Central explains the techniques and rationale behind blogging, as well as how to best engage pupils, parents, school leaders and, crucially, commenters from around the world.

Education-blogging guru David Mitchell features throughout Blog Central, giving advice on all aspects of blogging – especially engaging reluctant writers.

LGfL schools have two classroom-ready options for blogging: j2webby and j2bloggy (read more on page 52).

blogcentral.lgfl.net

SUPER-ACTION COMIC MAKER

CREATE YOUR OWN ACTION COMIC

This 1970s-style comic maker is ideal for Art and Literacy, allowing pupils to bring their own superhero to life and not only add backgrounds and superheroes, but also speech and effect bubbles to create a narrative. Boom! Not only can you print the comic, but you can save it to your own USO account to access next time you log into the resource. Just remember: it's not for you, it's for the children. Kerpow!

superaction.lgfl.net

PICTURE BOOK MAKER

CREATE YOUR OWN PICTURE BOOKS

In a similar vein, LGfL's Picture Book Maker aims to strike the difficult balance between having creative freedom and an overwhelming number of options.

Pupils have three double-spreads and a front/back cover to construct their story with four London Zoo backgrounds, four animals and 16 objects (trees, scooters, hot air balloons, etc.). Then print and fold!

picturebook.lgfl.net

MAYA – AUGMENTED REALITY

The KS2 History ‘ancient civilisations’ requirement is a gift for that member of staff in every school who has spent time on digs in the Guatemalan rainforests. Failing that...



Fancy a game of Pok-ta-Pok? No, we hadn't heard of it either.

How can you bring to life a civilisation which by definition belongs to a different age and world?

Augmented-reality (AR) comes into its own when breathing life into objects that simply no longer exist and into languages which only a handful of

people understand.

An everyday challenge for the AR professionals at Computeam. But tech experts need subject experts, and in this case LGfL called on Dr Diane Davies.

The renowned Maya specialist and archaeologist spent over a decade in Central America unearthing the secrets of this oft-misunderstood yet highly-

advanced civilisation.

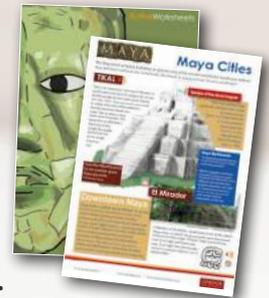
Diane crafted a series of lesson plans that couple engagement with expert accuracy, clear curriculum relevance and cross-curricular appeal (such as that Pok-ta-Pok PE lesson).

maya.lgfl.net
Search *Maya LGfL* on the appstore

DOWNLOAD TRIGGER IMAGES SEPARATELY FOR A TREASURE HUNT AROUND SCHOOL. >

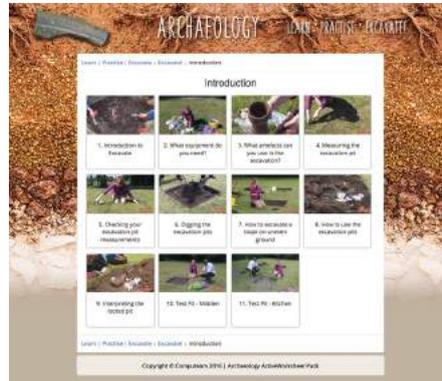


< USE THE APP TO MAKE THE AUGMENTED-REALITY OBJECTS LEAP OFF THE PAGE.



ARCHAEOLOGY: LEARN | PRACTISE | EXCAVATE!

KS2 History – can you dig it? Yes you can! This resource helps pupils to decode History from the ground up with augmented reality and even real-world digs!



'Archaeology: Learn | Practise | Excavate!' is a unique three-part multimedia and multireality product for Key Stage 2 History that promotes evidence-based critical and scientific skills and thinking through the exploration of archaeology in the primary classroom.

It has been created by the established partnership of curriculum experts at LGfL,

education technology and augmented reality (AR) experts at Computeam, and archaeologist Dr Diane Davies.

Whereas many learning resources either use traditional methods or focus on new technologies, this one makes the best of both worlds, blending traditional and innovative classroom approaches to inspire deep learning.

Divided into three progressive stages, the resource uses the power and proven engagement of augmented reality to teach and practise the skills that pupils need before embarking on a real-life dig of their own.

idig.lgfl.net
Search *idig LGfL on the appstore*



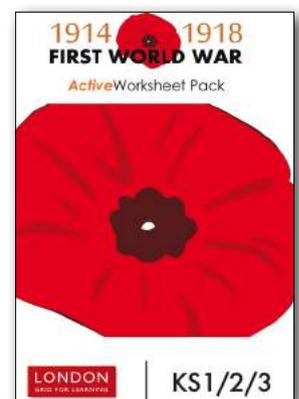
WORLD WAR 1

“They shall grow not old, as we that are left grow old. Age shall not weary them, nor the years condemn. At the going down of the sun and in the morning... We will remember them.”

Teaching children about the First World War is about so much more than ticking boxes and learning facts. Now that the last survivors have all passed on, we must find other ways to remember the lessons of 'The Great War'.

From the haunting notes of Elgar floating over a 3D cenotaph, to the daunting sight of a Zeppelin over London, or a gramophone 'Last Post', this resource pays tribute whilst provoking thoughtful discussion of the First World War.

ww1.lgfl.net
Search *WW1 LGfL on the appstore*



PREHISTORIC BRITAIN

“This half-term, we will cover everything that happened in an 800,000-year period.”

If ever a topic illustrates the magnitude of historical teaching, it is Prehistory. It not only spans a longer time period than all others put together, but also lacks incontrovertible evidence for approximately 98% of the timeline. New to the National Curriculum in 2014, it was a fresh challenge for KS2 teachers.

This not only makes it important to bring Prehistory to life, but also incredibly challenging. And that is where augmented reality comes into its own. Using a free Apple/Android app, pupils see artefacts come alive that they would never experience in real life.

Apart from the ‘lightbulb moments’ which can spark truly engaged teaching & learning, Prehistoric Britain is further enhanced by a multimedia microsite, teacher guidance, information and a range of downloadable worksheets.

prehistoric.lgfl.net
Search *Prehistory LGfL* on the appstore



ANCIENT EGYPT

Walk like an Egyptian! But maybe not while you're wearing Google Cardboard virtual-reality goggles.

LGfL resources have already benefitted from augmented reality and virtual reality, but never together. Now for the first time, Key Stage 2 History learners can experience the ancient Egyptian civilisation in 'mixed reality' (AR and VR).

With applications that reach beyond History, and indeed the curriculum as a whole, Ancient Egypt gives us insight into classic themes such as pyramid-building, hieroglyphics and Egyptian gods, but also the role of women in contemporary society, farming and other less well known subjects.

As always, the augmented-reality objects are embedded in worksheets for a blend of traditional and modern, but they can also be extracted for use in original materials or as standalone assets (see how small and how large you can make the pyramid on your school photocopier before using with your class).

There are also maps and 3D trackers which are designed to make it as easy as possible to integrate the assets into your existing mid-term plans and schemes of work.

You'll never look at a mummy in the same way again!

egypt.lgfl.net
Search *Egypt LGfL* on the appstore



THE VOYAGE

Months on the open sea ahead of you, and you have to choose a thief, a swindler or a murderer as chief ship overseer!

LgFL's first educational game now also includes (new in late 2016) a curriculum portal with lesson plans and film of transportation expert Kevin Sumpton from the Australian Maritime Museum.

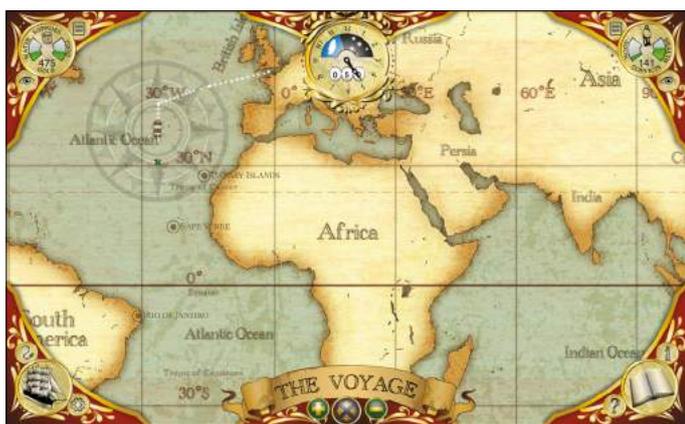
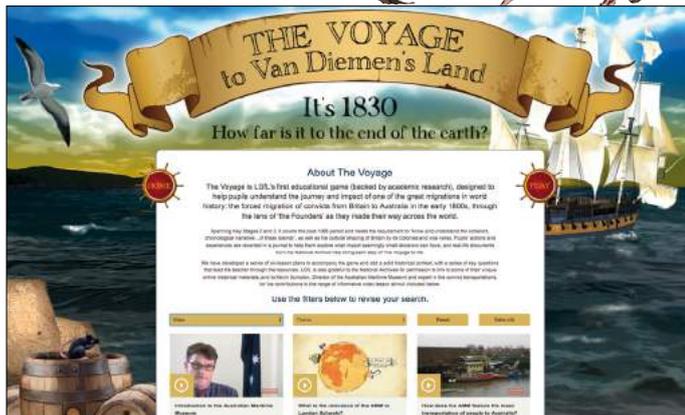
The Voyage is designed to bring to life the transportation of convicts to Australia in the 1800s, seen through the lens of 'the Founders' who made their way across the world.

Spanning Key Stages 2 and 3, it covers the post-1066 period and meets the requirement to "know and understand the coherent, chronological narrative...of these islands", as well as exploring the cultural impact of Britain upon its colonies and vice versa.

The online game illustrates the strategic issues faced on the open seas, and tests and develops historical skills, as well as planning, statistics, management.

Pupils' actions and experiences are recorded in a journal to help them explore what impact seemingly small decisions can have.

voyage.lgfl.net



TIMEMAPS

The concept of TimeMaps couldn't be simpler, and the visual impact couldn't be clearer.

It is often hard to grasp the scale or reach of a developing civilisation, nation or empire, but with TimeMaps, global movements and border changes take place before pupils' eyes.

Interlinked maps and timelines show how and where an event is happening. The panoramic view of change over time gives a better understanding of the causes and effects of historical episodes.

Nine different maps plot the Rise and Fall of the Roman Empire, the Black Death, the Norman Conquest, Medieval England and Her Neighbours, the Rise of Islam, European Exploration and Discovery, and The Atlantic Slave Trade.

Slightly more appealing than reciting all the Kings and Queens of England, the visual impact of seeing monarchs moving between England and France in medieval times clearly illustrates the deep influences of other cultures on UK soil.

Ideal for provoking thought and discussion as a standalone resource, all nine TimeMaps come with comprehensive teacher notes and in-depth study ideas.

timemaps.lgfl.net



J2CODE

Starting from Scratch? You don't have to, with j2code's full curriculum coverage. But you can, thanks to new Scratch integration.

This coding resource from the makers of the j2e Tool Suite is a Bett Award winner, and with good reason. The intuitive interface brings together three platforms (JIT, visual and logo) which meet all the coding requirements of the Primary Computing curriculum.

Couple this with lesson plans, help videos and Scratch integration to make the best of both worlds, and you begin to understand the scope of the package.

The drag-and-drop building-block format will be familiar to users of Scratch and tools like the LGfL WebTech Tutor (see below), making the already user-friendly and engaging tool even more accessible.

j2Code is available nationwide, but the beauty of using it in an LGfL school is full integration into the j2launch toolkit. As with any other work created using the j2e products, you can save your work, embed it in other files, write about it and, most importantly, blog it (make sure you read about blogging for literacy in BlogCentral and the main j2launch section: p40/52).

j2launch.lgfl.net



WEBTECH TUTOR

Waking up in a cold sweat at the thought of teaching coding? No longer! If you can drag and drop, or spot the difference between two sentences, you can learn HTML.

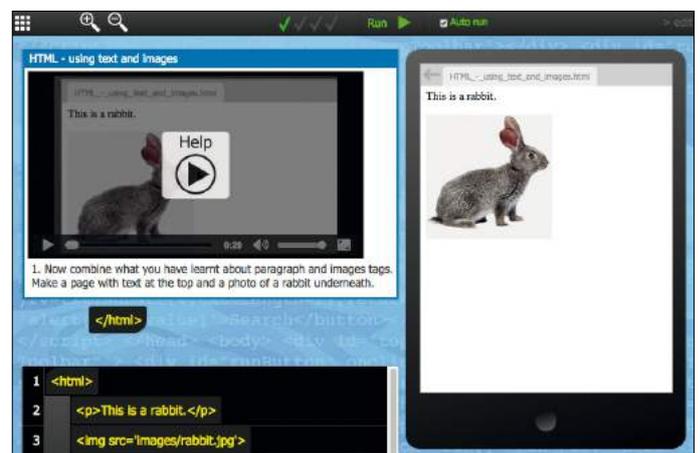
The natural progression for KS2 and KS3 pupils finished with j2Code and Scratch is to move onto the LGfL WebTech Tutor.

While the thought of teaching HTML, JavaScript and CSS might cause some concern (imagine a chorus of "It doesn't work" as pupils miss a bracket and break the syntax), WebTech Tutor addresses these concerns in a highly-innovative way.

The package is broken down into bite-sized, easily-achievable modules, with a short video walkthrough for each section that can be replayed if necessary. Drag-and-drop functionality allows pupils to get to grips with the concepts, terms and syntax without being frustrated by broken code.

When the crucial skill of debugging is introduced, it is manageable for all: the code doesn't change, but the English (e.g. "Hello World.") must be typed accurately – did you notice the capital H / W in the example, or the full stop? This prepares pupils for taking the plunge into free code in later modules.

webtech.lgfl.net



LOOK, THINK, DO

Editable photo-based resources for primary-aged pupils with social and communication needs.

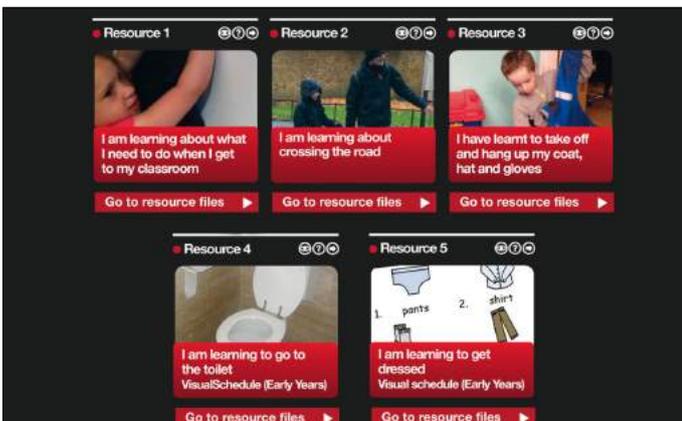
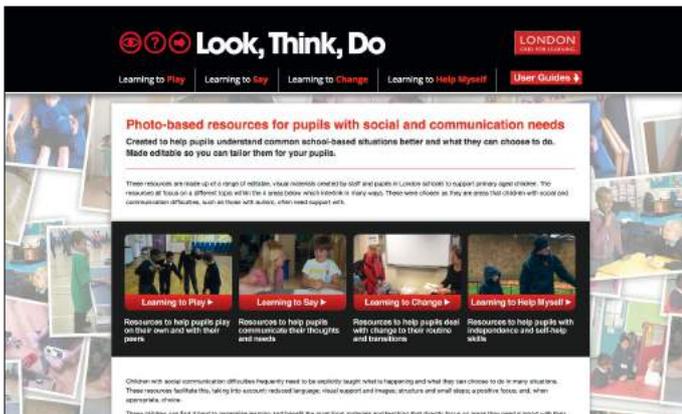
'Look, Think, Do' brings together a range of editable, visual materials created by staff and pupils in London schools to support children with social communication difficulties, such as those with autism and ADHD.

These children frequently need to be explicitly taught what is happening and what they can choose to do in many situations. It is important that they are shown how to adapt what they do depending on how the situation could change, rather than stick with a rigid thinking and behaviour.

These resources facilitate this social development by using reduced language, visual support and images, structure and small steps, a positive focus and, when appropriate, choice.

The photo-based, visual resource is divided into four key sections: Learning to Play; Learning to Say; Learning to Change; Learning to Help Myself. Editable storyboards bring difficult situations to life in a non-threatening manner and enable pupils to discuss solutions and strategies, and alternative and ideal endings.

ltd.lgfl.net



EARLY SHAKESPEARE

A perfect introduction to the wonderful works of Shakespeare!

SEN Assist's Early Shakespeare is now available on LGfL to support pupils of different ages and abilities. This multisensory and appealing software is suitable for learners with a wide range of learning needs.

It is underpinned by the specialist principles behind TEACH and PECs, developed for pupils with Autistic Spectrum Conditions, to ensure that pupils are engaged and know how they are progressing.

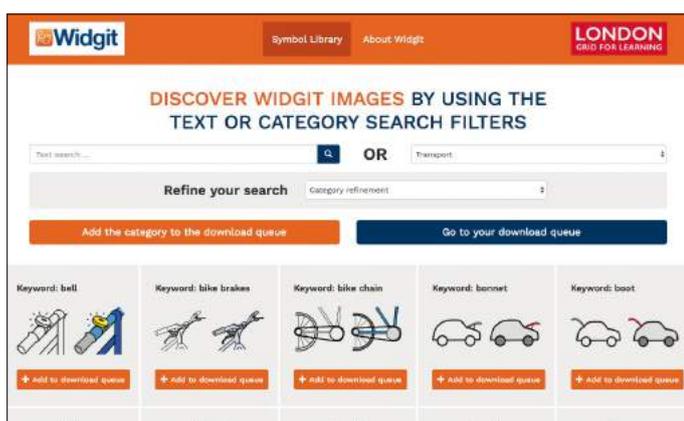
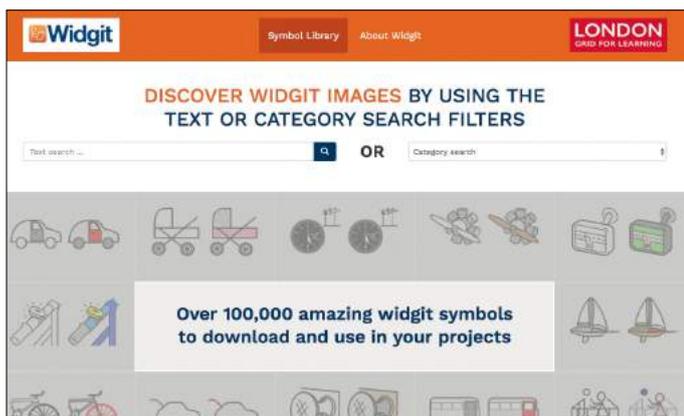
Four ability levels allow teachers to include EVERY child in The Literacy Hour! Early Shakespeare includes two plays, Romeo and Juliet and A Midsummer Night's Dream. Children will hear the speeches as Shakespeare intended: performed by professional actors. The stories, the characters and the language of Shakespeare will always be familiar, even though they are told using the first 100 high frequency words.

These versions can be used to provide summaries of the plays for all learners and ages – not just those with SEND.

Differentiated activities on the sequencing of the play and the characters ensure that they are able to demonstrate their understanding.

earlyshakespeare.lgfl.net





WIDGIT

A database of visual and accessible symbols and worksheets to support equal access to information and communication.

Our partnership with Widgit Education has enabled us to share over 12,000 Widgit symbols, as well as a vast range of differentiated worksheets using the symbols.

Widgit Symbols give readers of all literacy levels greater access to information, but are especially helpful with pupils with communication and reading difficulties.

Symbols can help support communication, independence and participation, literacy and learning, creativity and self-expression, as well as access to information.

Staff can browse and search the Widgit database via the online portal, where they can download groups or single symbols quickly and easily.

These can then be used to support understanding and communication in multiple ways, such as in symbol sentences, key symbols, communication grids or flashcards.

widgit.lgfl.net

WORDQ, SPEAKQ

A powerful, easy-to-use tool that supports literacy for young people who can type, but have trouble with writing, grammar and spelling.

If you have ever worked with a young person who is held back by being unable to get their well formed ideas onto a page, you will soon see how transformational WordQ SpeakQ can be.

LGfL schools can download and install the tool on all in-school and (staff) home computers at no additional cost; and there is a heavily discounted price for pupil use at home.

Ideal for those with dyslexia, dyspraxia, ASC, ADHD, physical difficulties and learning difficulties, it can be used to support and improve the writing of the majority of learners in KS2-5 – not just those with recognised additional needs.

The tool works with all online and offline programs (wherever text is entered) and can be toggled on and off for Word Prediction, Speech Recognition or Spoken Feedback.

WordQ SpeakQ can help students to maximise their written potential within and beyond the classroom, and is even approved by JCQ for use in public examinations - saving time and money on the cost of scribes.

wordqspeakq.lgfl.net

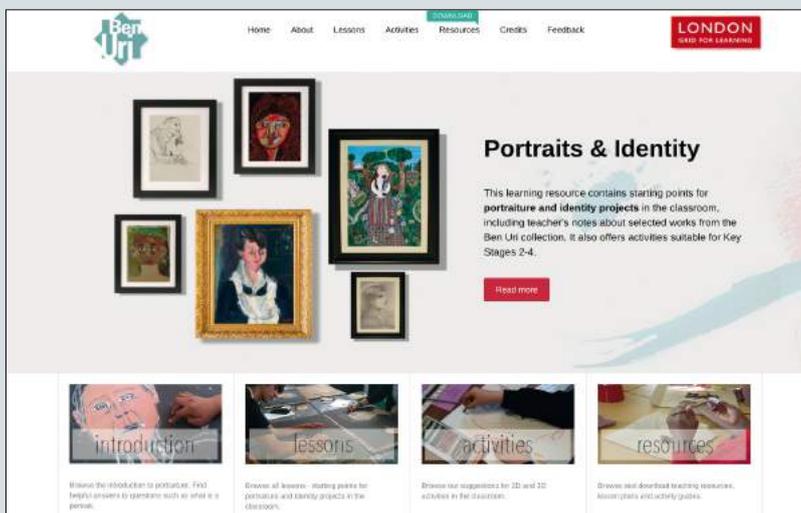


“ The school put WordQ on our daughter’s laptop, and before we knew it, she started saying, “I’m writing like a pro” ...and she actually was! After years of struggling to write and being left out, she was getting her words down and doing well. It came just in time for her GCSE exams – and she passed! ”

Lyse, Mother.

PORTRAITS & IDENTITY

What is a portrait? What can we learn from portraits? This resource explores portraiture and artworks representing 'identity' through a wealth of practical lesson and project ideas.



WELCOME TO THE BEN URI

The Ben Uri Gallery uses its extensive and distinguished collection to explore the work, lives and contribution of British and European artists of Jewish descent, placed where relevant alongside their non-Jewish contemporaries.

The collection of over 1,000 artworks explores a wide range of diverse themes, and shows how art does not just imitate life, but reflects, explores and seeks to understand it.

REACHING OUT

At home in North London, the gallery takes its outreach role very seriously, and has now partnered with LGfL on three major online learning resources.

Portraits & Identity is the latest of these, bringing selected works into the

“ The super-high resolution allows you to zoom in and focus on a particular detail of the painting ”

classroom at Key Stages 2-4, to enrich Art & Design, Citizenship and PSHE.

MULTIPLE PATHWAYS

The resource can be approached in several different ways, with ideas for lesson series, standalone lessons and activities to integrate into existing projects.

For example, nine lessons on an iconic painting by artists including Soutine, Auerbach and Solomon have high-resolution scans which can be zoomed in on to focus on specific details. Teacher support also includes

notes on the artist, content and ideas, form and composition, materials and techniques, and in-depth lesson plans.

In the activities section, ideas range from a ten-day photography challenge, through literacy activities, to a collection of ten different 2D and 3D activities.

WHO AM I?

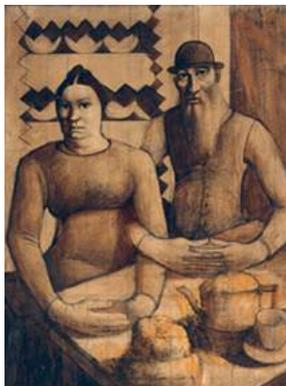
With Portraits & Identity, pupils discuss the facial features that make them unique, identify key symbols that could represent them, and highlight the different things we see when we look at a portrait for the first time.

This is an important part of personal, social and health education; pupils learn to value themselves and others, and come to terms with their own identity.

identity.lgfl.net

ART IN THE OPEN

Whoosh! Splash! Wham! Just three ways the lesson plan suggests you could describe the painting 'Wind and Calm'. The experts from the Ben Uri Gallery specialise in making art accessible to all, and relevant across the curriculum.



Art in the Open started life as a Ben Uri Gallery outreach project for schools, and developed into the series of materials that underpin this resource for Key Stage 1 and 2 Art and Citizenship.

The teaching resources contain high-resolution scans of key images from the Ben Uri collection, which are contextualised and given a curriculum-

relevant wrapper of information, lesson plans and discussion starters, all based on three themes: Relationships, Movement and A Sense of Place.

The example projects section gives ideas based on successful previous teaching practice, showing the resources being used in a number of innovative and creative ways.

Art in the Open is a starting point only and can be interpreted and used to teach practical visual art skills in a vast range of ways.

So why not have a look and share your ideas with us for inclusion in the next Ben Uri art resource?

benuri.lgfl.net

ART SKILLS FOR TEACHERS

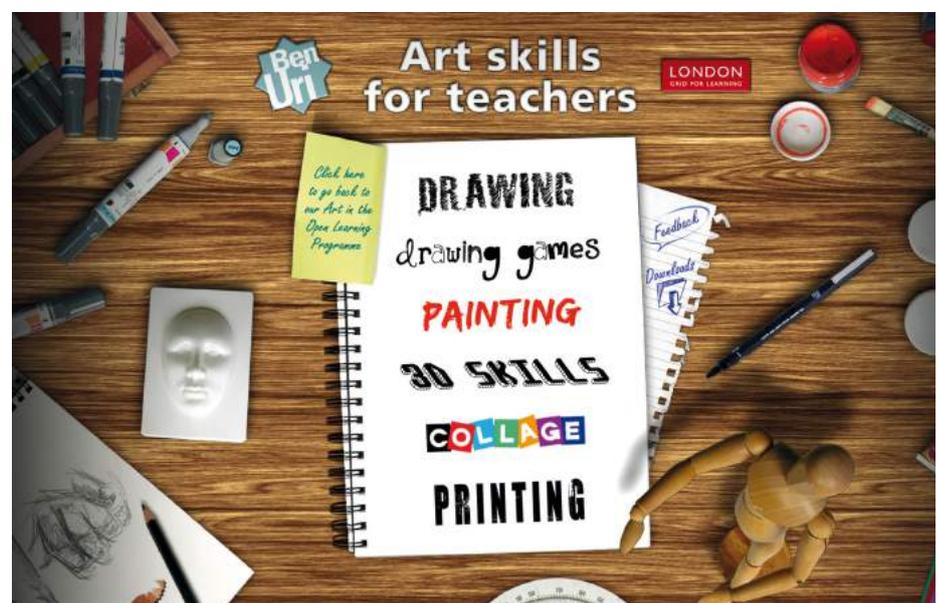
Another excellent resource made in close partnership between LGfL and the Ben Uri Gallery. The name is self-explanatory, but it isn't just for beginners.

Featuring techniques that are easy to understand and replicate, Arts Skills for Teachers features a range of ideas for the non-specialist art teacher to discover, recreate and teach. It offers clear explanations of a range of techniques in action, exemplified in school contexts.

The aim is to inspire teachers and children to experiment with and achieve artwork beyond their own expectations, using unusual and easily-accessible techniques to make art a truly inclusive activity for all members of the school community.

The ideas and techniques can also be used to create works in response to the other Ben Uri resources on this page.

artskills.lgfl.net



LINKED
TO ART IN
THE OPEN

J2E5 CLOUD-BASED CREATIVE EDITOR

j2e is an online, fun, creative environment. Text, graphics, animations, sounds, videos and embedded objects can be combined on a single web page.



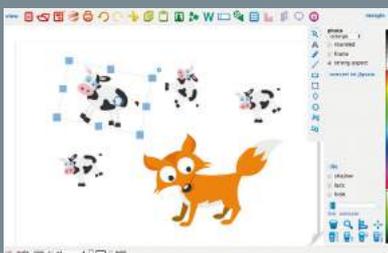
Search and import images



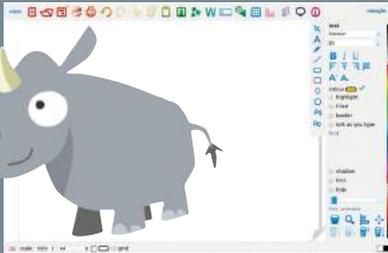
Paint and add text



Scale, rotate and edit images



Animate text and images



Print, publish and save



J2E TOOL SUITE

Create, edit, style, save, share, publish, blog, vote, review... The j2e Tool Suite is a collection of online educational tools specifically designed to engage, motivate and inspire.

SOMETHING FOR EVERYONE

The j2e Tool Suite encourages pupils from Foundation Stage through to Key Stage 3 to create, share and safely blog their work – at school and at home.

It is also an effective resource for teachers, enabling file sharing, collaborative learning and assessment and tracking.

J2LAUNCH

j2launch is the landing page for all the tools, providing a single point of access for teachers and learners (just remember j2launch.lgfl.net), which also enables the management and distribution of any digital resource, so you can incorporate all files and links into your j2e space.

The 'my files' area gives teachers and pupils a dedicated space to upload work from tablets, phones and laptops. This can be used as an effective e-portfolio for the whole school.

USER-FRIENDLY

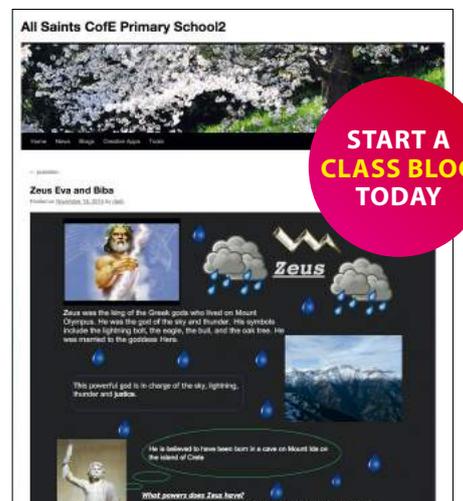
j2e can be used intuitively, just like a sheet of paper. The ease of use encourages natural creativity.

VERSATILE

Combine text, graphics, animations, sounds, videos and embedded objects on a single web page. j2e is an online, fun, creative environment. No software to install; use any browser, anytime, anywhere (including on mobile devices).

COLLABORATIVE

Share and collaborate on a document in real time. See changes made by another





user instantly. Every document can be blogged using j2webby (the beginner blogging platform, most commonly used in Primaries) or j2bloggy (advanced and favoured by Secondaries).

ONLINE SAFETY FIRST

There are many unique safety features, such as overlaying custom safety and copyright permission checks onto Google Image Safe Search. And you can choose to moderate all blog posts and comments before publishing.

FORMS

Use j2e forms to gather data, comments or other information from different groups. Display, share or save the data to a file. A whole class can enter data into a form at the same time. Parents can also be asked for their feedback in a form.

TEACHER FEEDBACK

The teacher can add pins or stickers such as stars and smiley faces to a piece of work, and search them later as part of the assessment and review process.

AND LOTS, LOTS MORE

There is no space here to mention school website building, stop-frame animation, interactive measurements, instant QR code generation, the paint package, text-to-speech, document versioning, sound recordings, times table practice and much more...

Not to mention that the three coding platforms of j2Code (see page 45) are also hosted within the Tool Suite.

j2launch.lgfl.net

APPMAKER

“...and for homework, make a poster or a PowerPoint to show you have understood the topic.”
Oh no, not again!

The LGfL AppMaker is the antidote to this malaise. Teachers and learners are used to using mobile apps, but creating your own one adds a new layer of engagement for students.

The ability to do this with ease for subjects other than Computing is a powerful way to harness today’s technologies in an appealing way for young people.

Prepopulated with high-quality content from LGfL resources, students can create a fully-functioning app within minutes, inserting videos and images, styling pages, writing their own text, and even adding interactive quizzes.

Once the app is complete, it can be shared and opened on any mobile device by parents, teachers or classmates.

Not only does the LGfL AppMaker bring webapps out of Computing departments, it takes the facilitating power of technology into other departments to reinvigorate learners and learning.

appmaker.lgfl.net



LONDON SCHOOLS SYMPHONY ORCHESTRA ARCHIVE

Behind the scenes at a world-class youth orchestra's rehearsals and live performances.

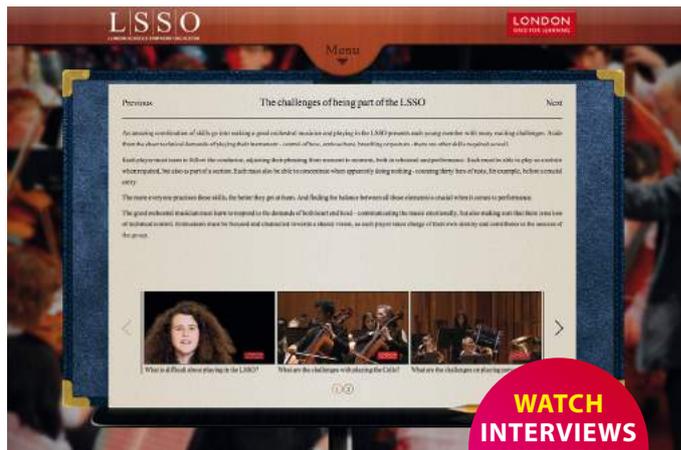
Hailed by Sir Simon Rattle as “an incomparable ambassador for the dynamism and excellence of British youth”, the London Schools Symphony Orchestra (LSSO) has for over sixty years been regarded as a potent symbol of the talents and achievements of London’s finest young musicians.

LGfL has worked with the LSSO to build an archive of the orchestra’s output over the past sixty years, with programmes, articles, newsletters and press clippings.

For the past six years, the archive also includes professional audio and video recordings of the tri-annual concerts held at London’s Barbican Centre. This amounts to over 50 separate orchestral works to watch, listen to and study.

What greater inspiration for Key Stage 2 pupils than to see what hard work and talent can lead to over the next few years of their musical education.

lso.lgfl.net



WATCH INTERVIEWS WITH THE PLAYERS



LET'S HAVE A GIGAJAM!

Learn to play guitar, bass, keyboard and drums with this award-winning course.

This award-winning interactive guitar, bass, keyboard and drum tutor gets pupils playing from the first lesson, with videos, play-along files and online assessment to guide them from absolute beginner to Grade 5 equivalence.

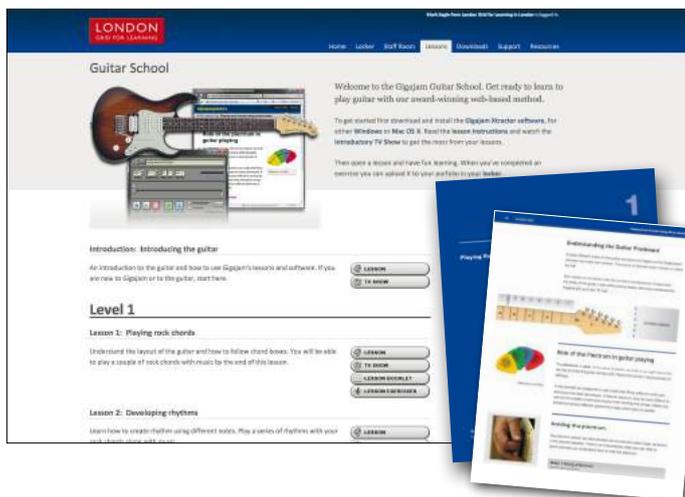
Step-by-step instructions ensure that pupils have everything needed to progress their learning at the fastest possible rate.

Narrated lessons present key knowledge through text, diagrams, videos and interactive exercises, not to mention a backing track for every exercise.

The latest LGfL version features integration with student USO accounts for online e-portfolio ('pupil locker') development and performance tracking.

Every exercise has an accompanying video where a professional tutor performs the exercise for pupils to watch. There is also a TV Show, where tutor and presenter go through the whole lesson in a studio format.

gigajam.lgfl.net



FEATURES

DEVELOPING OUR CURRICULUM CENTRE OF EXCELLENCE



LET'S TALK ABOUT SEXT

“Oh the shame! A plague upon our houses! Woe is me!” How else could anyone possibly respond to an incident of self-generated sexual imagery (that’s sexting to you and me)? Surely no self-respecting young person would simply shrug their shoulders, or even worse, revel in the attention... Or would they? How can we support the digital citizens we care for in 2017?

Isn't this only relevant to
Secondaries?

No! There are more instances every year in Primary schools.

JUST SAY NO

Few issues illustrate the generational digital divide better than sexting. "It didn't happen in my day," we are prone to declare. All the evidence would indicate that it did though – just not in such an easily sharable format.

"That's not the point – adults don't do it." Errrm... a US study revealed 88 per cent of adult Americans admitted to having sent sexually explicit images or messages. Even if the statistic is only half true, it is still quite significant.

So if adults do it, and did it when they were younger as well, does that mean the #justsayno message is totally wide of the mark?

PLENTY TO WORRY ABOUT

Changes to Home Office and College of Policing guidance have finally addressed the legal anomaly whereby two consenting 17-year-olds sharing intimate photos with each other could end up with criminal records and on the Sex Offenders' Register.

And what's more, schools no longer need to refer every incident to the Police (the go-to advice document for schools from UKCCIS makes things very clear for Heads and DSLs). But these changes do not mean that mention of the risks is mere scaremongering. There is plenty to worry about.

Even before you consider the many issues related to child sexual exploitation (which definitely need consideration but are too complex and serious for a superficial exploration here), there are still many issues, dangers and potential for upset relating to sexting between young people. But as with most online-safety issues, the important thing is to have open and honest conversations about the risks, and to ensure that everyone knows where to turn if problems arise.

YOU WANT ME TO TALK ABOUT WHAT?!

Rather than reinvent the wheel, teachers and other professionals are well advised to turn to the many excellent materials that have been produced to facilitate non-confrontational sexting discussions. CEOP ThinkUKnow's 'Nude Selfies' video series, SWGfL's 'So You Got Naked

Online...' resource and the NSPCC's 'I Saw Your Willy' are ideal conversation starters; ChildNet and ChildLine are just two of the places to turn to for help and advice (and remember 'The Mix' for older students up to the age of 25).

LGfL has collated and curated key sexting resources (for teachers, parents and students) and made them available for teachers to browse within its open-access online-safety portal.

COMMON-SENSE APPROACH

Most online-safety experts agree that a common-sense approach to sexting education is the best starting point. So for example, CEOP's ThinkUKnow site recommends teaching students to apply these seven simple tests:

1. Why am I doing it?
2. What if I don't do it?
3. Would I do it face to face?
4. Am I under the influence?
5. Does it pass the Billboard Test?
6. Could I send something else?
7. Is this abuse?

TOO LATE?

It is vital that young people are aware

that the new advice for schools does not change anything when it comes to sharing other people's images.

You are still just as likely to end up in a police station if you pressure others into sexting or if you share someone else's intimate images. It is vital to understand as well that a staggeringly high proportion of these pictures are shared between friends, and that the distress caused by naked images going viral has even led to young people taking their own lives.

Top of the list, but needed (not needless!) to say: any sexual approach by an adult is totally illegal and should be reported immediately to CEOP

But at the same time, adults need to communicate that nothing is too embarrassing to talk about, and thanks to the fabulous work of ChildLine, Safer Internet Centre, CEOP and the Internet Watch Foundation, it is sometimes possible to take action and have images removed from certain sites.

So let's keep those old-fashioned communication channels open! At the end of the day, it's still good to talk.

sexting.lgfl.net
os.lgfl.net

The screenshot shows the 'ONLINE-SAFETY RESOURCE CENTRE' page on the LGfL website. At the top, there is a navigation bar with links for 'About', 'News', 'Services', 'Learning resources', 'Online safety', 'SEND', 'Training', 'Support', and 'Login'. Below the navigation bar, the main heading reads 'ONLINE-SAFETY RESOURCE CENTRE' with a sub-heading: 'Use the filters to narrow or broaden your search (this page may be pre-filtered), or type in the search box.' There are several filter boxes: 'Teachers' (set to 'Beyond the classroom'), 'Sexting / messaging', and 'KS3'. A search bar is also present. Below the filters, there is a grid of resource cards. The cards include: 'UKCCIS guide to sexting in schools', 'Romeo and Juliet on Instagram', 'Sexting factsheet from Childnet', 'Lockers - Irish sexting information and resource kit for schools', 'NetSmartz Tip Sheets on OS topics', and 'Sexual Behaviours Traffic Light Tool'. On the left side of the page, there are social media icons for Facebook, Twitter, LinkedIn, and RSS.

LEARNING FOR ALL – MEETING COMPLEX NEEDS WITH LGfL

LGfL is committed to developing resources for and with the SEND community. SEND Officer Jo Dilworth helps SEND schools make the best of our curriculum portfolio.



**MORE
SEND
INFO ON
PAGE 48**

THE SCHOOL AND TECHNOLOGY

Little Heath is a successful and well established school for pupils with a wide range of needs, including moderate and severe learning difficulties and communication needs (including a number with autistic spectrum conditions).

The school has 165 pupils on roll, and also supports 65 pupils in mainstream settings. Little Heath recognises the benefits of technology and uses LGfL resources to support the learning and development of its learners.

“Our learners have increasingly complex needs, and ICT plays an ever-greater role in their learning. We are committed to

“ Money is tight, we all know that. So a good place to start is to make the best use of what you already have. Take LGfL resources, for example. If you’re not accessing them, start accessing them! There is a wealth of materials just waiting to be used that do exactly what you need and want to do! ”

James Brownlie Headteacher - Little Heath School

investing in and making the best use of technology, and LGfL resources play an important role in supporting the needs of our learners”.

Joe Sieber, Assistant Head and SENCO

WHOLE SCHOOL TRAINING

Recently, Little Heath arranged a two-hour hands-on training session for all staff to learn about the range of LGfL resources available to support learners

with SEND. Staff tried the resources for themselves and fed back their experiences to other staff.

"Staff were really enthused by how 'alive' resources were and the variety of subjects and activities covered. In fact, they felt ready to start using them in lessons the next day."

ACCESSING THE CURRICULUM WITH BUSY THINGS

Unsurprisingly, one of the most-used resources at Little Heath is Busy Things – due to the fact that it covers vast swathes of the curriculum, is multisensory, and supports many different learning styles.

ICT teacher Jo Martin reports that *"children love using the resources... They're short sharp activities that give instant feedback."*

Staff use it to support many curriculum subjects, and it is used individually and in small groups.

WORK-RELATED LEARNING AND EMPLOYABILITY

One of the biggest areas of need for older learners is work-related learning and the link between school and the outside world.

Little Heath staff make the most of technology to prepare their young people for the future.

For example, virtual reality is used by pupils to practice tasks in different work environments.

The school also uses the LGfL Employability programme to support work experience and skills.

According to ICT teacher Jo Martin, *"We've used the Employability resources from LGfL, which include some great video simulations such as dealing with problem customers, how to apply for a job, and what's it like to go for a job interview. This gives children the opportunity to see what it's going to be like when they grow up; it shows them what the world of work will be like and prepares them for independence"*.

AUDIO NETWORK

Little Heath makes good use of Audio Network, LGfL's database of thousands of music tracks which can be searched



by keyword, category, genre, mood atmosphere (read more on page 18). It has been used to support video editing in school, for background music and in teacher resources. Staff describe it as an "absolutely amazing resource with a phenomenal amount of tracks".

WORDQ SPEAKQ

WordQ SpeakQ is a new literacy toolbar that can be used to support those with literacy difficulties, including dyslexia.

A small number of pupils at the school have begun to pilot the use of this technology, and the school believes that *"many pupils will see the potential of this software to help*

them extend their writing and express themselves further."

ADVICE FROM LITTLE HEATH

Headteacher James Brownlie tells us that "Money is tight, we all know that. So a good place to start is to make the best use of what you already have. Take LGfL resources, for example. If you're not accessing them, start accessing them! There is a wealth of materials just waiting to be used that do exactly what you need and want to do!"

**busythings.lgfl.net
employability.lgfl.net
audionetwork.lgfl.net
wordqspeakq.lgfl.net**





LGfL TRAINING HUB: CPD AT ITS BEST

September saw the launch of the LGfL Training Hub – an extensive continuing professional development programme for teachers in LGfL TRUSTnet schools. The aim of the cross-curricular programme is to support teachers in the effective delivery of their curriculum areas through the use of technology and LGfL resources.

The training is delivered by a variety of LGfL trainers – all with an extensive and varied teaching background, and often curriculum specialists who have helped create LGfL

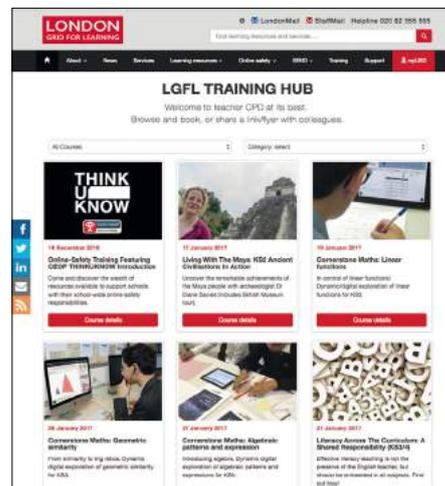
learning resources.

Trainers have an extensive understanding of the latest curriculum challenges and developments, and are experts in the effective use of LGfL

resources to raise attainment and achievement for learners in a variety of school contexts.

The LGfL Training Hub aims to provide relevant support for teachers across all Key Stages in a range of curriculum areas, including numeracy, literacy, humanities, safeguarding and specialist support for learners with complex needs.

The role of filming and blogging in raising literacy standards feature heavily in the programme, with a creative approach to teaching & learning encouraged throughout.



The majority of training takes place at the Camden City Learning Centre, a location chosen for its Central London location and school-focused facilities.

However, thanks to our wide range of development partners, we have also been able to provide training in venues including schools and even the Queen's Gallery at Buckingham Palace!

Courses are delivered in small groups, ensuring that attendees receive a high quality, responsive and relevant experience.

Training can even include visits to

cultural institutions, such as a guided tour of the British Museum with Dr Diane Davies, archaeologist and Maya expert.

To ensure as many teachers can attend as possible, all training is provided at no additional charge within the existing LGfL / TRUSTnet service.

Events are repeated if they are particularly popular or offer guidance that is regularly updated, such as our well attended online-safety / safeguarding course.

All CPD days are flexible and tailored to the needs of those who

attend. We always make sure that 'hands-on time' is planned into the day so that teachers have time to explore themes and resources with experts on hand to guide and answer questions throughout.

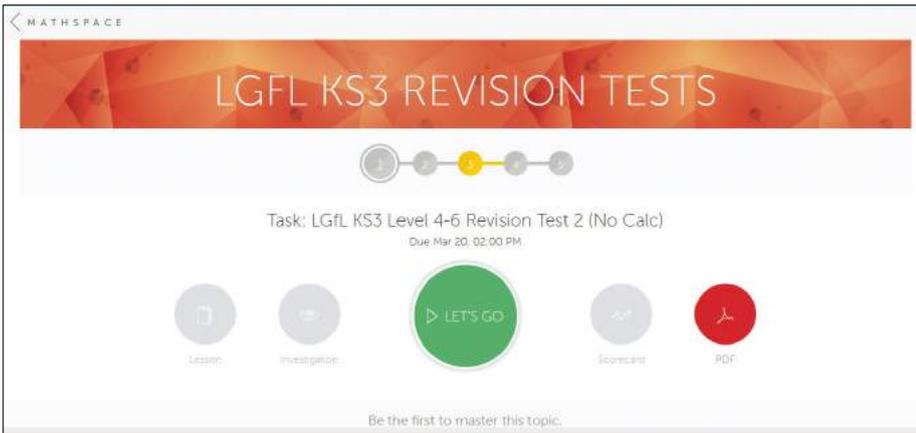
Why not visit the training portal today to see how your school can make better use of this excellent service enhancement? Supercharge your use of LGfL resources to boost achievement and attainment in your school.

training.lgfl.net



MATHSPACE: PROBLEM SOLVED!

Mathspace is a very popular resource for LGfL schools. Here, Mathspace UK CEO Tim Stirrup tells us about the methodology behind the Maths.



THE PROBLEM

Since the introduction of computers, mathematics software has suffered from problems that can damage how children learn mathematics.

Learners have had to put up with a diet of online mathematics that actually restricts their learning.

The OECD PISA tests of 2012 asked about the use of computers for practising mathematics. The results indicated that the more computers are used for practicing maths, the LOWER the students performed on the tests!

OFSTED also noted issues with online mathematics software in the report 'Mathematics: made to measure' (a really good read, by the way!) The problem is highlighted in the section on marking:

“Concern emerged around the frequent use of online software which requires pupils to input answers only. Although teachers were able to keep track of classwork and homework completed and had information about stronger and weaker areas of pupils’ work, no attention was given to how well the work was set out, or whether correct methods and notation were used.” (Paragraph 90)

Working out is important – and examinations demand it! In the classroom, working out and understanding can be monitored by the use of such things as mini-whiteboards.

The teacher can give instant feedback; misconceptions can be addressed immediately.

But this doesn't happen once learners move onto certain practice activities, and especially once they start doing homework, or revision tasks on web-based software.

SO WHAT WHAT'S THE SOLUTION?

2016 saw the publication of the first long term, rigorous and large-scale research study that looked at how technology can support students working at home.

Researchers from Stanford Research Institute (the creators of 'Cornerstone Maths') looked at software that provides immediate feedback and guides students using step-by-step hints.

They found that regular homework using this kind of technology increased maths achievement – across the ability range! For those starting at a lower base of achievement, the effect was worth well over 1 year of extra maths.

Mathspace, which is available to LGfL schools via a suite of revision questions, is designed to give just such immediate and formative feedback to students via step-by-step marking, videos and hints for next steps.

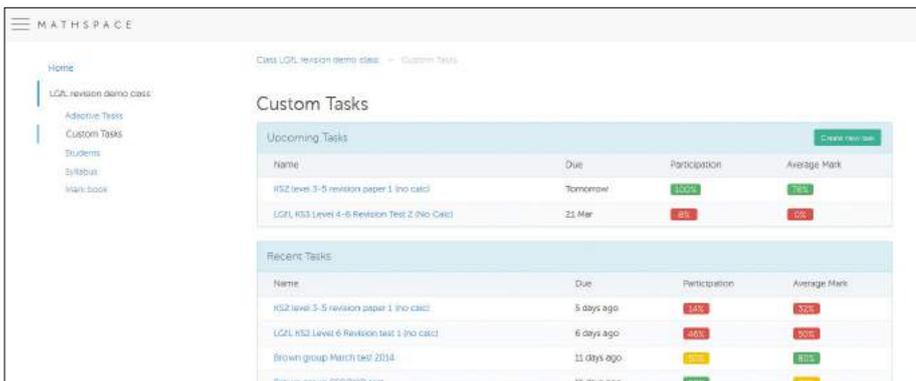
All this work is recorded and available for the teacher to see, just as if they were looking at a pile of books.

The major difference though, is that all the books are already marked, and students have already seen how they can improve.

This saves teachers time, but also provides more information for interventions and planning.

And for students, it means they can't get away with sloppy mathematical workings. They HAVE to communicate well and keep on doing so through demonstration, practice and repetition.

That can be the difference between success and failure, and that is why Mathspace is no ordinary online tool!



WHAT ABOUT TABLETS AND SMARTPHONES?

The Mathspace app uses handwriting recognition technology to enable students to write as if they are writing in a book! The combination of handwriting recognition and step-by-step feedback is a world first!

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