

Downlands' Forum Monday 7th October 2013

'What is clear is that no technology has an impact on learning in its own right; rather, its impact depends upon the way in which it is used'

NESTA REVIEW IMPACT OF TECHNOLOGY ON
EDUCATION NOV 2012

Nesta...

**DECODING
LEARNING:**
THE PROOF,
PROMISE AND
POTENTIAL OF
DIGITAL EDUCATION

By Rosemary Leitch,
Sally Singh, Andrew Peachall,
Sharon Answorth,
Charles Cook, Richard Ness.
November 2012

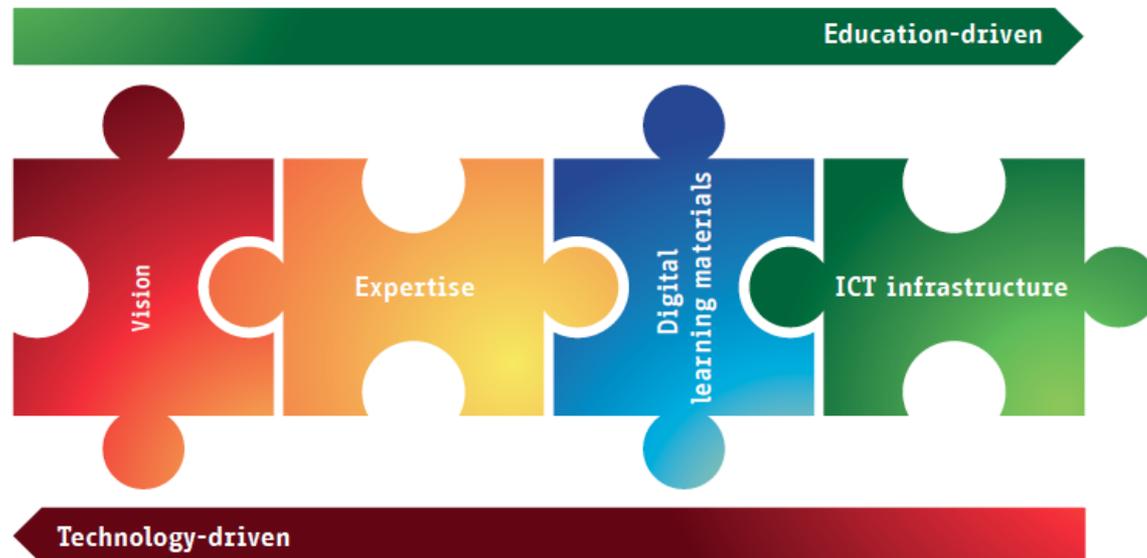


Downlands' Forum

Using new technologies to secure pupil progress

AIMS

- **Sharing the whole school vision for ICT**
- **Demonstrating the possibilities**
- **The Downlands' Community - SWOT Analysis**



That was then but this is now!

Past ICT Experience

Limited availability of ICT suites
Compatibility issues with MACs
Linux Netbooks small user face,
dependent on connecting routers, not
linked to the network. Offered limited
performance & options

Conclusions

A new opportunity to embed
ICT across the curriculum. At
least a five fold increase in
provision.

New ICT Experience

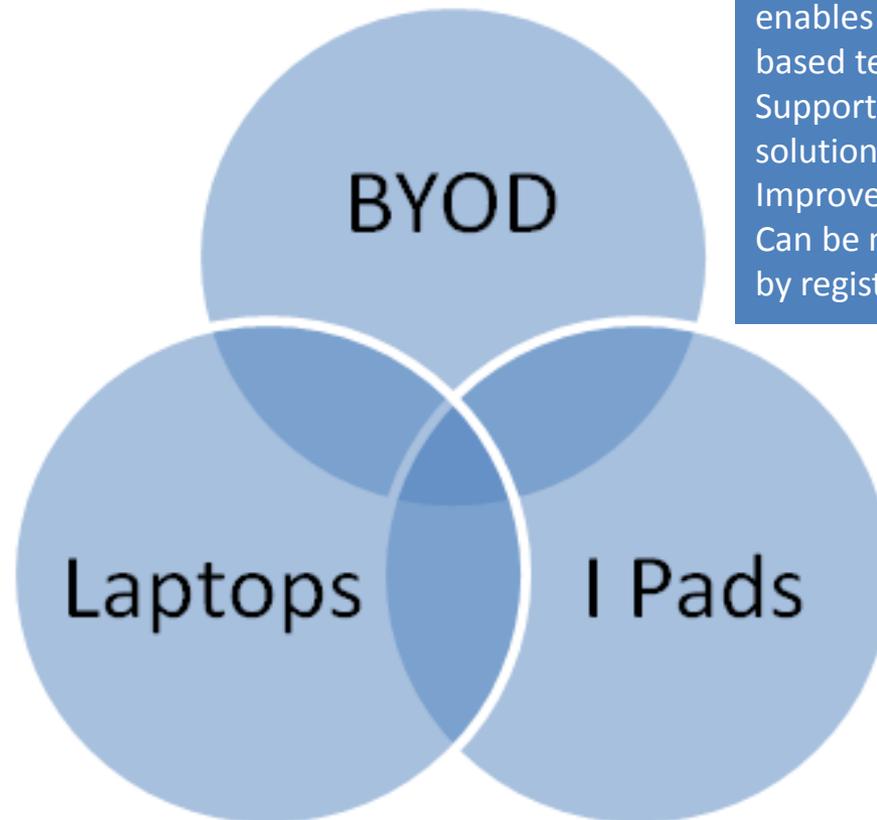
- Three full size bookable ICT suites from September, following the ROSLA refit
- 90 high spec larger format laptops with high performance processors (i3 intel core) available for booking from today. Networked so pupils can save work directly to the network
- 30 higher spec netbooks bookable in the library.
- I Pads have been increased to 15
- When appropriate students use their own devices to enhance their learning

The Vision: The multi device solution

There is no one device suits all; the key difference being that some devices are designed for **consumption** (viewing media) while other are designed for **construction** (entering & manipulating data)

Laptops

- superior computing power for your investment
- Compatibility with Curriculum/ Admin networks
- Compatibility with VLE
- In house maintenance
- Supports ICT across the curriculum
- Full web 2 experience
- Emphasis on construction rather than consumption
- All security/network management solutions compatible with current network



BYOD – Bring Your Own Device

- Enabling use of student smartphones & other ICT devices
- utilises student owned devices
- maximises use of WiFi
- enables use of mobile web based technologies
- Supports student led learning solutions
- Improves student organisation
- Can be managed to an extent by registering devices

IPADS

- Video/image editing
- Media consuming device
- Free Apps
- Instant on

Learning with Technology – how can it enhance learning?

- **Learning from Experts** - There has been huge growth in the amount of information available to learners; and in technology that enables learners to access, structure and package that information.
- **Learning with Others** - tools that allow teachers to organise and manage episodes of joint learning.
- **Learning through Making** - One the best ways people can learn is by making and sharing things.
- **Learning through Exploring** – Learners develop strategies and skills to find and filter the information they need.
- **Learning through Inquiry** - Inquiry-based learning involves exploring the natural or material world by “asking questions, making discoveries, and rigorously testing those discoveries in the search for new understanding”.
- **Learning through Practising** - The most effective use of technology enables learners to practise their skills and knowledge using a variety of representations and interactions
- **Learning from Assessment** - Technology can be used to support assessment in a variety of ways. It can be used to compile learning activities and enable both teachers and learners to reflect upon them; and to track the progress of learning and to present that information about progress in rich and interactive ways.
- **Learning in and Across Settings** - teachers and learners can use a variety of devices to capture, store, compare and integrate material from a variety of settings.

Supporting new practice

It is our intention that :

- Core ICT taught at KS3 supports Departmental SOW across the curriculum.
- ICT is not a 'bolt on' but enhances the delivery of existing SOW, plans for new syllabi or new KS4/KS3.
- Training is driven by staff identifying a need within their curriculum.
- We will create opportunities for Staff to see effective/creative uses of ICT. Staff will be able to sign up to see other staff showcasing the use of ICT across the curriculum in the summer term.

ICT Showcase Fortnight Monday 1st July – Friday 12th July

- 33 sessions took place showcasing best practice across the school.
- Using **visualisers** with your IWB
- making **Prezis – collaborative presentation online application**
- **Using Moodle;** glossaries, forums and wikis
- **i - pad** Filming Shakespeare
- **Blockbusters!**
- **Socrative** - Using web based software as instant feedback on pupil progress
- **Padlet.com** – collaborative website design

How could ICT enhance learning

- Is there a particular concept that pupils struggle with that could be better demonstrated/applied through the use of ICT.
- Could ICT assist in AFL, Peer assessment, collaborative group projects or enquiry based learning.
- Are there opportunities for ICT to enhance the delivery of numeracy or literacy in lessons or data analysis.
- Facilitate independent/student centred learning by enabling pupils to access, structure and package information by giving pupils access to online learning materials. Give pupils the choice and freedom to explore their learning interests.
- Allowing pupils to present their findings in different media, videos, animations, podcasts
- Record learning to be accessed at later times, Concept mapping tools creating & storing portfolios of student ICT work
- Learning with others through Moodle Forums, pupils sharing ideas and learning from each other through peer assessment. Collaborative creative writing.
- Presentational utilities to facilitate the sharing of work between pupils or pupil to staff
- Designing interactive games or presentations, creating web based treasure hunts. Interactive e-books, virtual tours, google earth, using QR codes to create posters that interact with smartphones
- Use ICT to test/assess practice learning through creating quizzes/ revision materials/ flash cards/suduko/crosswords
- Capture learning in different contexts, field trips, out of lessons, supporting learning at home

Collaboration & Reflection

What do you consider to be the key considerations in supporting the Downlands' community in their use of technology to enhance learning?

Supporting the Downlands community in their use of technology to enhance learning.

