iPads at Langley Grammar

Parents Briefing

March 2018

Distinguished School

Advancing technology

- Increasing computing power

- Mobile connectivity

- Access to information
  - What did we do before Google?

- Transformation of social and work life

"In times of change learners inherit the earth, while the learned find themselves beautifully equipped to deal with a world that no longer exists." – Eric Hoffer

Technology in education

What was it like for us at school?

The last few years......

- Increased use of fixed PCs

- Introduction of laptops

- Wireless networks

- Interactive whiteboards

- Technical 'challenges'.....!

And now.....

- **Tablet technology**

Expectations

- Universities and businesses expect digital literacy.

- Students need to be aware of their digital footprint – expectation of independence and trust.

- Use of individual devices for learning is increasingly common in universities.

LGS students need to be ahead

We are currently preparing students **for jobs that** don't yet exist...

using technologies **that haven't** been invented...

in order to solve problems we don't even know are problems yet.

4th Industrial Revolution

Top 10 skills

in 2020
1. Complex Problem Solving
2. Critical Thinking
3. Creativity
4. People Management
5. Coordinating with Others
6. Emotional Intelligence
7. Judgment and Decision Making
8. Service Orientation
9. Negotiation
10. Cognitive Flexibility

in 2015
1. Complex Problem Solving
2. Coordinating with Others
3. People Management
4. Critical Thinking
5. Negotiation
6. Quality Control
7. Service Orientation
8. Judgment and Decision Making
9. Active Listening
10. Creativity

Source: Future of Jobs Report, World Economic Forum

WORLD ECONOMIC FORUM

The dangers of prediction….

- "This 'telephone' has too many shortcomings to be seriously considered as a means of communication. The device is inherently of no value to us."
  - Western Union internal memo, 1876.

- "Who the h**l wants to hear actors talk?"
  - H. M. Warner (1881-1958), founder of Warner Brothers, in 1927

- "The aeroplane will never fly."
  - Lord Haldane, Minister of War, Britain, 1907

- "We don't like their sound, and guitar music is on the way out."
  - Decca Recording Co. rejecting the Beatles, 1962

The future is......

- "I think there is a world market for maybe five computers."
  - Thomas Watson (1874-1956), Chairman of IBM, 1943

- "There is no reason anyone would want a computer in their home."
  - Ken Olson, president, chairman and founder of Digital Equipment Corp., 1977

- "640K ought to be enough for anybody"
  - Bill Gates (1955-), in 1981

The reality.......

- There are compelling reasons to move towards 1:1 digital technology to support learning.

- Budget pressures mean we <u>cannot</u> afford to fund individual devices ourselves.

- Parental engagement and support is the only way forward.

Our approach

- What can we learn from others?
  - Build on good practice of 'early adopters'

- Run a pilot project to see what works well in our context
  - 8K/9K staff and student experience in 2013/14

- Focus on the teaching and learning - not the technology.
  - Student and staff training
  - How can we develop independent and self-motivated students?

Our students' perspective

Why the iPad?

Practicality	Functionality	Learning Potential
Cost effective	Mobile	Vast array of apps
Virus free	Creative media tools	Subject-specificity
Historical compatibility	Collaboration	iTunes U
Apple certified Apps	Intuitive	iBooks
Robust	Camera and video	AppleTV
8-10hr battery life	Student response	Mobility
	Access to research resources	Seamless ICT incorporation

Does Digital Work?

Exercise Books for OneNote
- Permanent record
- Flexible curation of learning journey
- Instant teacher access
- 'On the beach' working

Rainbow Thinking for cards
- Focus on higher-order skills
- Individually and collaboration
- Filming the learning journey

Collaboration
- Shared responses, focus on questioning responses, not gathering

Tests for Socrative
- Short-sharp and effective
- Real-time polling
- Qu by Qu data analysis
- Information returned to students
- Individual reflection

Showbie for HW - personal, trackable

Something new: the Education Reform Summit

- Twitter-planed Face:Face interactions
- Collaborative planning
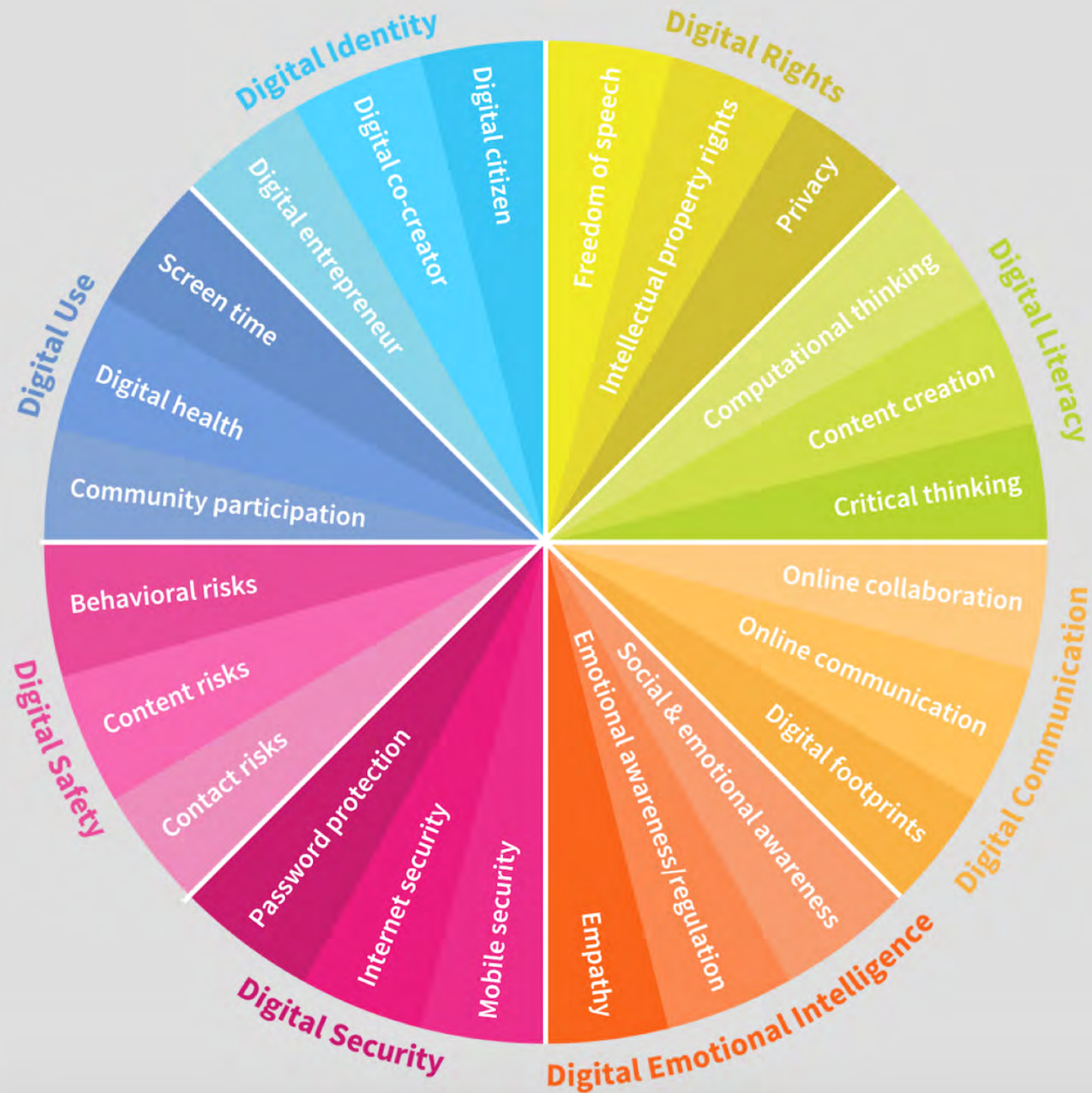- Photo streams
- Green screen film making

Research

Blended Learning

Flexibility

WORLD ECONOMIC FORUM

Digital Identity
- Digital citizen
- Digital co-creator
- Digital entrepreneur

Digital Use
- Screen time
- Digital health
- Community participation

Digital Rights
- Freedom of speech
- Intellectual property rights
- Privacy

Digital Literacy
- Computational thinking
- Content creation
- Critical thinking

Digital Safety
- Behavioral risks
- Content risks
- Contact risks

Digital Security
- Password protection
- Internet security
- Mobile security

Digital Emotional Intelligence
- Empathy
- Social & emotional awareness/regulation
- Emotional awareness

Digital Communication
- Online collaboration
- Online communication
- Digital footprints

Thinking Practically

How can we seriously make using iPads fun, safe and purposeful?

Vocabulary – Office365

- Email addresses for all students
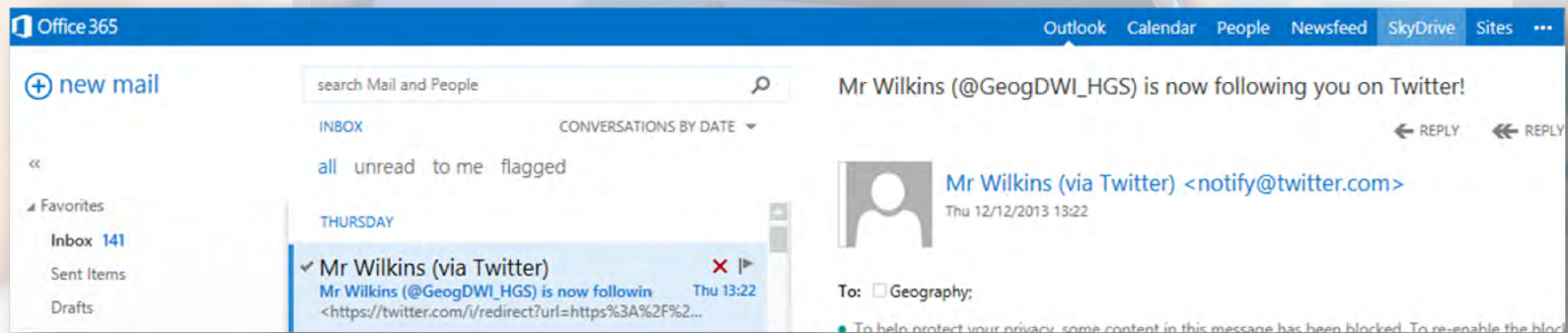
- Cloud Storage (OneDrive for Business)
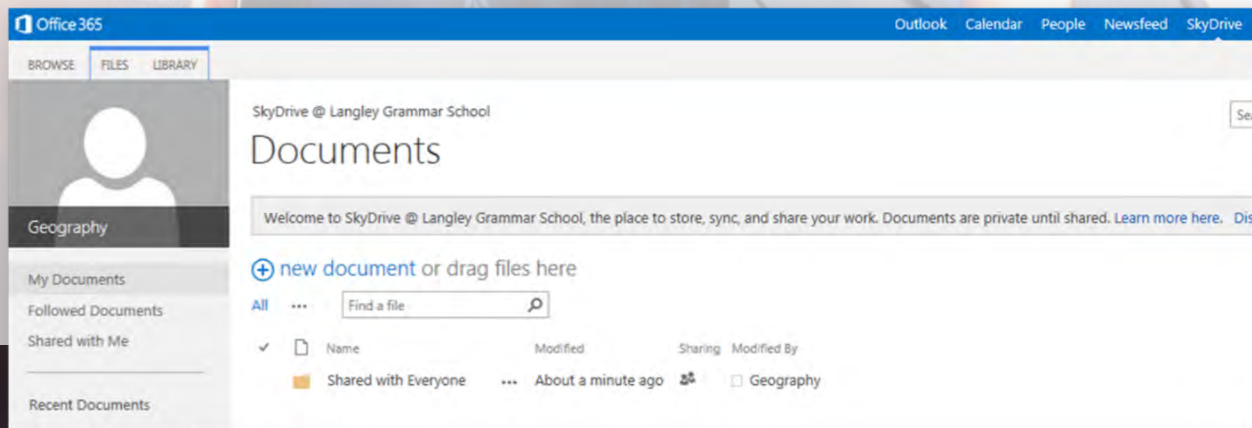
Vocabulary

Jamf – Mobile Device Management

Behaviour (Level 1-2)	Technological (L3-4)
Follow school policy Examples: • iPad at home • Battery not charged • Apps now downloaded	Apply a restriction profile, YouTube / Safari / Games Centre / Camera / Downloads
Repeated L1 = L2 Distracted in class Hurtful or Untruthful	Repeats of L3/4 Inappropriate / illegal use Bullying or harassment

The Casper Process

- Backup - to iCloud / OneDrive

- iPads wiped

- Enrolled onto Jamf

  – Removal of AppStore

  – Deploy apps

  – Potential for managed functionality – e.g. AppStore / iMessage / FaceTime / Camera

- VPNs

Rights and Responsibilities

Morning Journey

- Is it charged?
- Is there enough memory?
- Is it in a case?
- Is it definitely inside your bag?
- Is homework uploaded?
- In the correct format?

Rights and Responsibilities
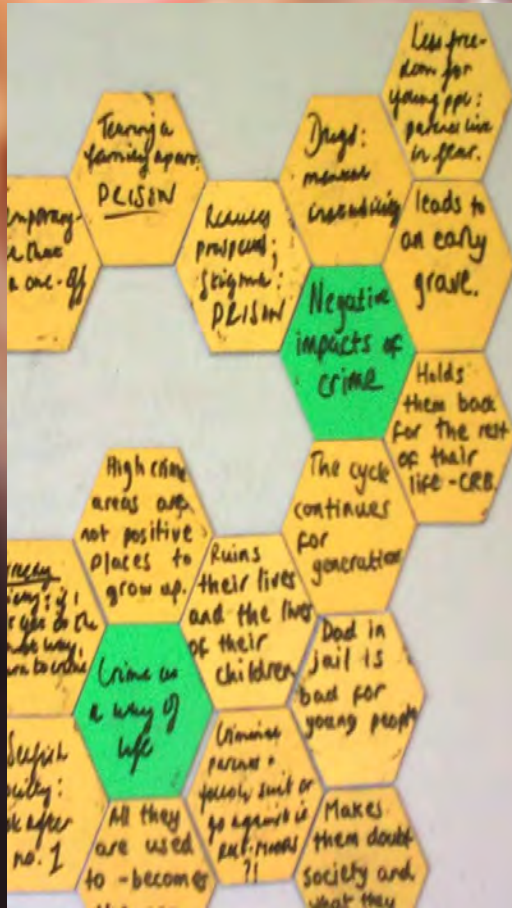
Morning Registration

- First use determined by the teacher
- Necessary apps installed for lessons on that day
- Social media contract
- Otherwise – normal tutor time

Rights and Responsibilities

In lessons

- Teacher control remains
- Classroom discipline
- Maintain high standards
- Compatibility is……
    - Student's responsibility for their work – PDF / Showbie
    - Teacher's responsibility for their work – e.g. Keynote

Rights and Responsibilities
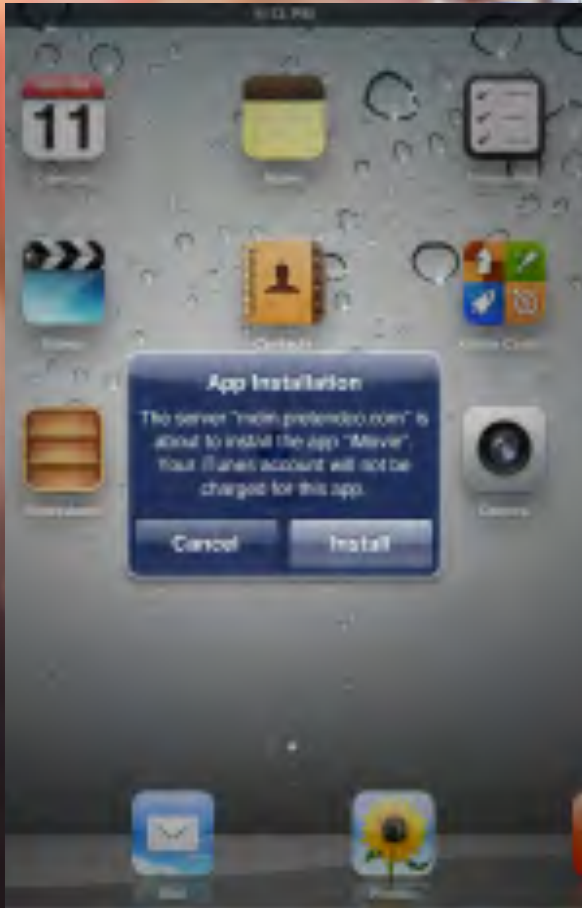
Break and Lunch

- Lunch
  - Leave in Form room (lockers)
  - Use in library
  - Use in other designated areas

- We don't want
  - Game obsessed phone use
  - Headphones around school

Security

In school

- Lock away before PE and at lunch
- Always keep in case provided
- Pin-code
- Care of belongings
  - Football
  - Windows

Out of school

- In your bag
- Keep in the case
- Devices are insured in school / out and abroad if kept in the case

At home: Rights and Responsibilities

- What restrictions will you place?
- What WiFi filter will you use?
- How will you stop VPNs?
- Do you have a home use policy on your broadband provider?

- Do they have a personal iTunes account under 13?
- Share; don't lock out – open space
- Keep a balance – 'screen time'

Questions?

About…
  Practicalities
  Rationale

Next up…
  Finance

Option 1: Own supply

John Lewis

ebaY

amazon.com

- Supply an iPad (Air2 onwards)
- Put in a case
- Not iPad mini / iPod
- We'll wipe for Jamf MDM
- Then supply key apps
- Use our wireless
- Restrictions added

Option 2: 24 monthly payments

		Case	Case Pencil	Case Keyboard	Case Keyboard Pencil
iPad	32gb	£18.64	na	na	na
iPad	128gb	£21.91	na	na	na
iPad Pro 10.5"	64gb	£31.09	£35.09	£37.48	£41.47
	256gb	£36.36	£40.35	£42.74	£46.74
	512gb	£43.38	£47.37	£49.76	£53.76
iPad Pro 12.9"	64gb	£36.37	£40.36	£43.18	£47.18
	1256gb	£41.62	£45.62	£48.44	£52.45
	512gb	£48.69	£52.69	£55.52	£59.52

Includes case and 2 years insurance and warranty
Requires supplied case

Wednesday, 21 February 2018

Option 3: Upfront Payment

		Case	Case Pencil	Case Keyboard	Case Keyboard Pencil
iPad	32gb	£385.24	na	na	na
iPad	128gb	£460.88	na	na	na
iPad Pro 10.5"	64gb	£657.94	£750.52	£805.84	£898.42
	256gb	£779.88	£872.45	£927.77	£1,020.35
	512gb	£942.45	£1,035.03	£1,090.35	£1,182.93
iPad Pro 12.9"	64gb	£779.88	£872.45	£937.94	£1,030.51
	256gb	£901.81	£994.39	£1,059.87	£1,152.45
	512gb	£1,065.51	£1,158.09	£1,223.57	£1,316.15

Includes case and 2 years insurance and warranty
Requires supplied case

Wednesday, 21 February 2018

Portal: CHG / Jigsaw

Portal View

Option 4: Use a LGS pool iPad

- Use a pool iPad

- (Sign user agreement)

- Collect / return each day

- No excuses re. written work

Timescale

- Portal Opens   This week
- Portal Closes   20th March
- iPads arrive   Late April
- Setup and Distribution   Early May
- Initial training   May
- Use in lessons   late July / September

iPads at Langley Grammar

Parents Briefing

March 2018

 Distinguished School