

ICT Strategy - Planning to Implementation

Enhancing Learning Through IT
Monday 2nd February 2015

Knowsley City Learning Centres



@knowsleyclcs



Introductions!



Knowsley Apple RTC

www.knowsleyclcs.org.uk/

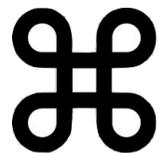


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Create something



Buy the CLC SLA

It's really good

So are the 'School ICT Support'
and 'Business Support' SLA's
(buy them as well)





The Vision

- An overarching view of where and how the school will use ICT tools and resources to enhance teaching and learning and prepare children for a technological society
- What's the ultimate goal for technology in your school?
- The actual technology at this point is irrelevant

Teaching and Learning Audit

- Is your school looking to use technology to drive change in teaching and Learning?

- Flipped classroom
- Blended Learning
- Social Learning



- Gamification
- Adaptive Learning
- Connected Classroom



'Blended Learning'

Blended learning is a term increasingly used to describe the way **e-learning** is being combined with traditional classroom methods and independent study to create a new, hybrid teaching methodology. It represents a much greater change in basic technique than simply adding computers to classrooms; it represents, in many cases, a fundamental change in the way teachers and students approach the learning experience.

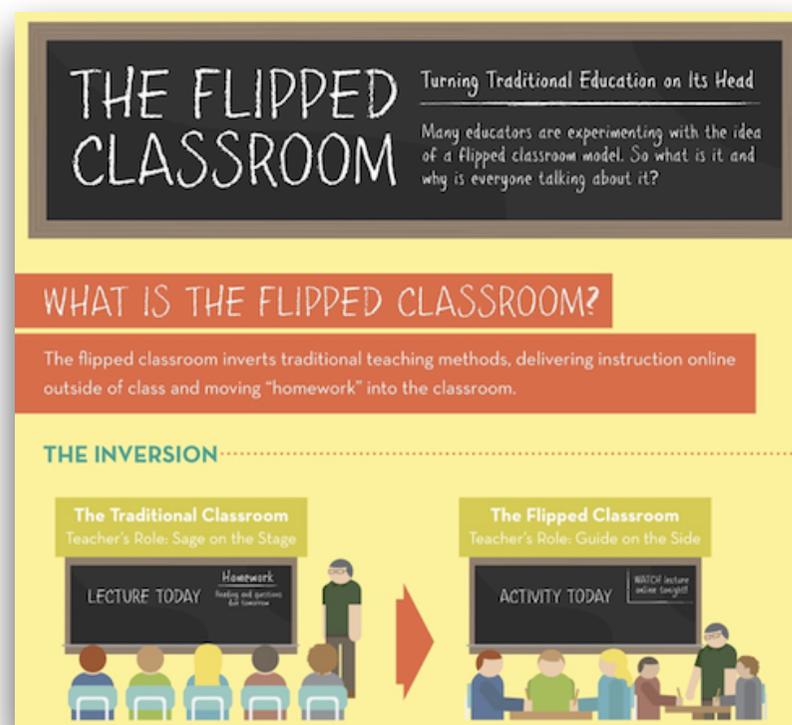
- Benefits of both styles - children can learn at their own pace and have access to a teacher for support.
- Children naturally develop technological literacy skills and confidence to use new technologies



‘Flipped Learning’

“Flipped” learning is where pupils undertake some of their learning outside of the classroom (e.g. watching videos the night before that explain a new concept). This frees up the teacher’s time to focus on more useful classroom activities, such as providing formative feedback and giving more personalised support to pupils who are struggling. It also gives pupils more control over their own learning, leading to the development of better general learning skills.

- Allows for focused learning
- Encourages personalised learning.
- Allows students to ask questions.





'Social Learning'

Social learning takes place through devices that allow collaboration and interaction, and encompasses any virtual space where students can meet and learn – as long as that space is accessible from anywhere.

- Engages children through their interest of social media
- Not just about Facebook, Twitter etc.
- Use of free online platforms/ resources (Edmodo, Wordpress, LinoIT etc.)
- Confidence through collaboration



Audit

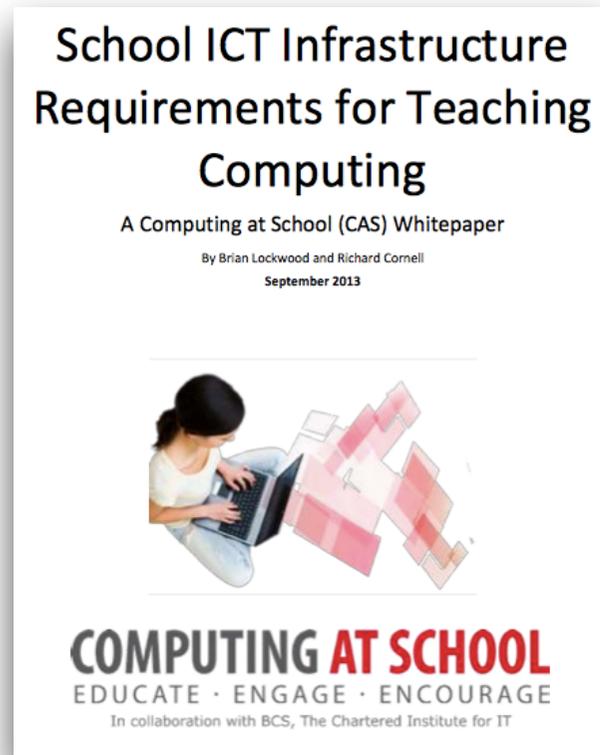
- Where are you now? Consider:
 - Infrastructure
 - Current kit
 - Staff
 - Budget
 - Your school's appetite to risk and change
 - Teaching and Learning



Infrastructure

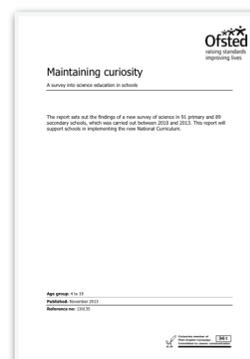


- Managed or Locked?
- Future proofed? Will the network support a rapid growth in devices?
- ICT Support Provider



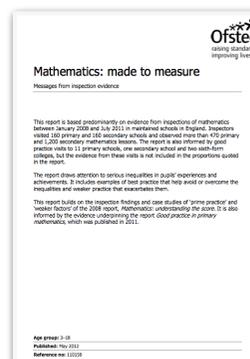
External Forces

- Ofsted 
- Compliance with legislation
- Curriculum Changes
- Government

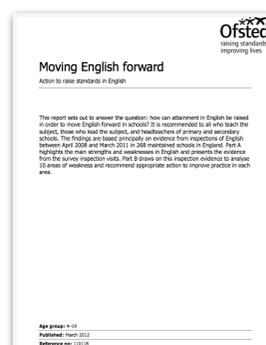


“Opportunities were often missed to use technology”

“Inspectors visited only two schools where ICT deployment was outstanding in bringing about learning of science”



“The potential of ICT to enhance mathematics continues to be underdeveloped”



“Technology used by students outside of school is far more sophisticated than that used in English lessons”

“The effective use of modern technology...is highly motivating for students”

Development Plan

- Operational Plan
- Timescales
- Subject to change - a plan wrote five years ago would not have included Tablet Devices
- Identify areas of development as a priority
- Continuous evaluation



Development Plan

- Consider future trends for technology (Horizon report)
- 2014 - identified Cloud computing and BYOD
- Gartner study by 2017 50% employers will expect employees to bring their own devices to work (BYOD)





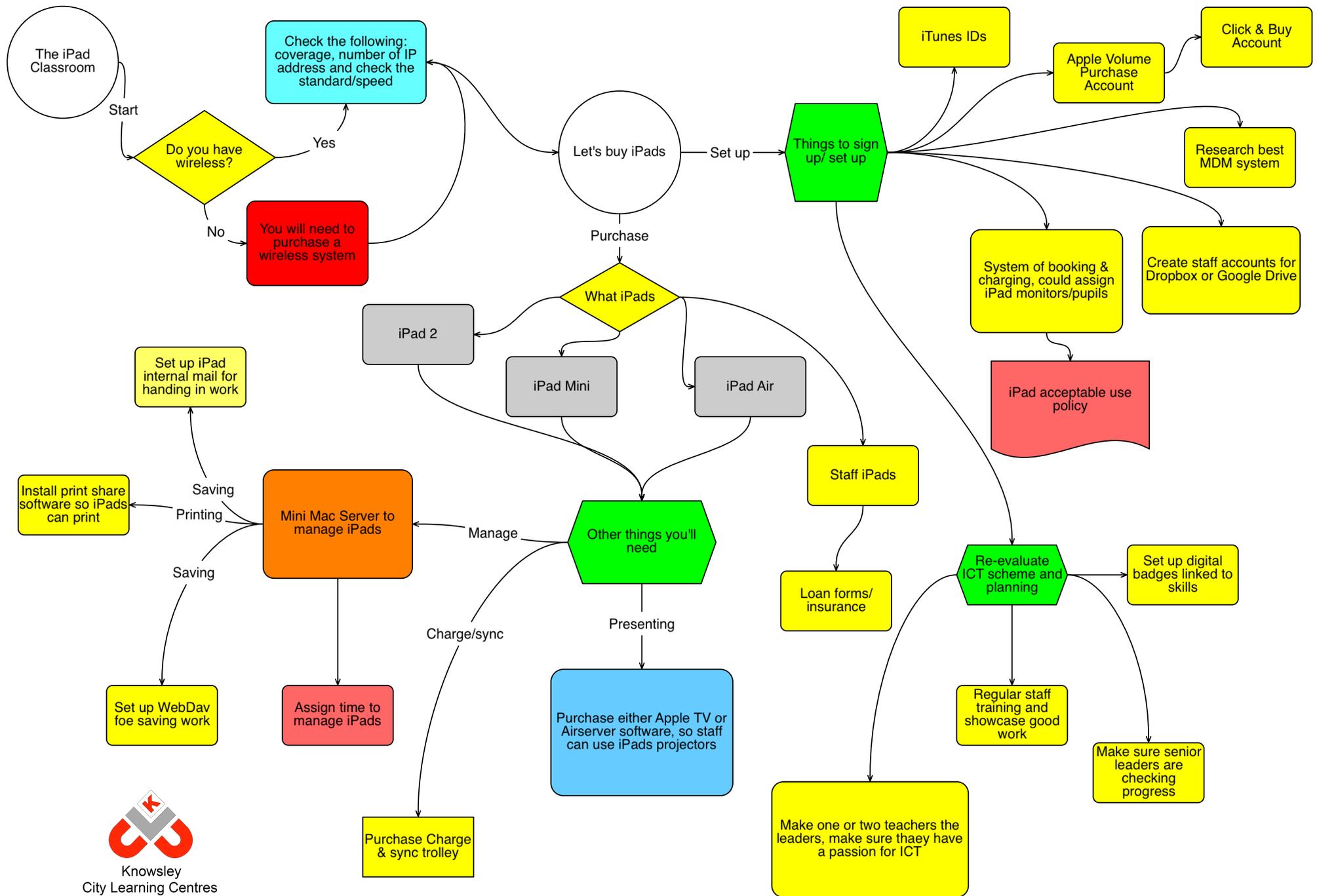
Platform? Windows,
Mac or Mixed model

Communication - Social
networking, blogging,
YouTube etc.

Development Plan - start to
consider detail

Cloud Service:
Google Drive, Dropbox etc

Tablet Devices?
iPads, Android, Windows



Teaching and Learning

- Is there a pedagogical shift to support the integration of technology into your school?
- Do teachers share your vision for technology? This will determine how quickly they will embrace new ways of working.
- Technology enable students to enquiry based, experimental and knowledge building learning. Will this suit their teaching style/ skills?



Children Digital Citizens

*“The ultimate goal of the web of to support and improve our web like existence in the world....**We have to ensure that the society we build with the web is the sort we intend**”*

Time Berners-Lee,
Weaving the Web, 1999

Digital Citizens

- Horizon report notes a shift ‘from students as consumers to students as creators’.
Implications from a pedagogical and infrastructure perspective.
- Create a positive Digital Footprint
- Create opportunities for children through Digital Leaders initiative
- use their expertise!

