

Woodcroft's Computing Journey

Wednesday 20th January 2016

The Vision

- Barriers to use of technology in the classroom should be removed (slow startup, battery life, timetabling)
- A single login should give access to all digital resources.
- Pupils should be able to access the same resources at home, on any device, as they can in school.
- Pupil usernames should be created automatically; administrative processes streamlined.

Hardware Upgrades

- Updated Wifi Access across the site.
- Chromebooks easily accessible in every classroom (Year 1 to Year 6)
- 30 Learnpads issued to allow TAs to access online services (currently being reassigned for higher impact on learning).
- Camera phones available for teachers (encouraging adoption of Google services).
- Trial of Nexus 7 tablets as class cameras/productivity tools.
- Camera phones available for pupil's use.

Benefits of Single-Sign-On

Apps Button - Many new apps are being added for staff/pupils use in home and at school in order to facilitate our goal of empowering pupils to become digitally fluent content creators.

- **Collaborative tools:** Google Apps Suite (Google Classroom)
- **3D modelling:** 3DTin
- **Presentation tools:** Google Slides, Pixton, Mindomo, Powtoon, Pear Deck
- **Computer programming/coding:** TouchDevelop, Espresso Coding, Khan Academy, Code.org
- **Cross curricular learning resources:** Education City, BrainPOP, Espresso, Khan Academy
- **Image editors:** Google Photos, Pixlr
- **Video Editing:** WeVideo, Magisto

Developing the Curriculum

- Teachers began by using 'Switched On Computing' curriculum as a guide.
- Now developing a more cross-curricular approach with teachers given the flexibility to deliver objectives through project based learning.
- Ongoing key goals of developing digital literacy and digital knowledge being met well.

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What's next?

Next Steps Principles

To achieve the **NAACE ICT Quality Mark**, through increased pupil engagement in the broader curriculum, **both in and out of the classroom**:

- Curriculum coordinators have easy tools to **promote learning in and out of the classroom** (Pupils should be able to use a range of tools to research topics).
- Class teachers should have the tools available to **deliver the curriculum in an engaging way**.
- Class teachers should be able to direct children to **independently learn** using **safe online tools**.
- **Pupils should** be able to use a range of tools to **create their own content** on topics being studied.
- **Class teachers should have the skills and knowledge** to effectively deliver the curriculum, including the **unfamiliar aspects of computer science**.

Next Steps Actions

- **Continue to invest in staff training:**
 - Google Apps Training
 - Software Discovery Workshops
 - Annual survey of staff skills
- **Consolidate subscriptions to online services:**
 - Focus on value and both home and school access.
 - Investigate online management systems (Hapara).
- **Consider ways to encourage staff collaboration and organisational streamlining:**
 - Android Tablets for staff.
 - Active use of Google Calendar for room and resource allocation
- **Focus on developments in educational software:**
 - Online pupil portfolio (Seesaw)
 - CK-12