Tablets Head-to-Head

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Why Devices?

Beyond replacing outdated texts and cumbersome notebooks, mobile devices enable students to create and share from anywhere and at any time, unlocking creativity and removing the limitations to what's possible. They provide students with cameras, audio recording studios, blogging platforms, and multimedia tools allowing students to construct new learning artifacts across their curricula and in a variety of contexts.

Keeping Focused

If we focus on a core set of essential skills -- communication, collaboration, connection and creation -- and start to develop curricula that will benefit our students regardless of the technology, then we can truly embrace a mobile curriculum.

Add Value

Incorporating a *device* provides all students with an opportunity to make deeper connections with the content as well as their learning . . .

Perhaps, even more important, is the need to balance screen time with the learning experiences that students gain from the peers and adults around them.

Laptop v Tablet

Laptop
- Power / Multi-Tasking
- Storage
- Multi-user
- Ports and Peripherals
- Best at: heavy processing / creating complex content

Tablet
- Instant on!
- Portability
- Personal
- Battery life
- Best at: consuming content / creating simple content
Laptop v Tablet: In the Classroom

Laptop
• “App” is a diminutive word. Apps do simple things reliably. Learning requires more complexity, flexibility, and room to grow. – Gary Stager (2013 Winter)
• Consumption v Creation
• Power on Demand

Tablet
• Portability was critical. We wanted to literally lighten students’ loads. We wanted to do away with strapping “camp trunks” to their backs. – Dan Brenner (2013 Winter)
• Sharing / Multimedia
• Instant On

http://www.teachwithtablets.co.uk/schools/why/tablets-vs-laptops/
Brainstorm: What are the key requirements for selecting a mobile device?

• Compatibility with facilities resources
• Compatibility with learning goals
• Ability to manage
• Cost / Sustainability
• Support for creativity for both students and teachers
• Ease of use / low technical startup
Devices Considered: iPad
Devices Considered: Chromebook

- HP Chromebook 14
- Acer C720
- Acer C720P
Devices Considered: Android

- Lenovo Yoga Tablet
- Asus Transformer
- Samsung Galaxy Note
- HTC One M8
Devices Considered: Windows

HP Stream 11
Microsoft Surface Pro 3
Dell Venue Pro 8
Size

- Small: iPad Air (9.4x6.6); iPad2 (9.5x7.31); Galaxy Note (9.57x6.57)
- Medium: Yoga Tablet 2 (10.04x7.20); Acer C720 (11.34x8.03); HP Stream 11 (12x8.1)
- Large: HP Chromebook 14 (13.6x9.4)
Portability

- Lightest (<1.25lb): iPad Air, ASUS Transformer Pad, Samsung Galaxy Note, iPad 2
- Light (<1.75lb): Surface Pro 3
- Moderate: Acer C720 (2.76lb); HP Stream 11 (2.74lb)
- Heavy: HP Chromebook 14 (4.17lb)
Display

• 1280 X 800: Dell Venue 8 Pro
• 1366 X 768: HP Chromebook 14; Acer C720; HP Stream 11
• iPad2 1024x768 / iPad3 2048x1536
• 2560 X 1440: Galaxy Note
TouchScreen / Pointing Device

• Touch: iPad, Acer Chromebook C720P (add $120), Samsung Galaxy Note, Surface Pro
• Can use external USB mouse? – Chromebook, Surface Pro, HP Stream
• Has trackpad? - Chromebook, HP Stream
Keyboard and Typing

• Attached: Chromebook, HP Stream
• Snap-In: Surface Pro
• Bluetooth (3rd Party): iPad, Samsung Galaxy Note
Multimedia

• Samsung Galaxy Note: front and back. 3.7MP/16MP
• iPad Air: front and back. 1.2MP/5MP photos; 720p/1080p video
• Surface Pro 3: front and back: 5MP photos/1080p video
• Dell Venue Pro 8: front and back: 1.2MP/5MP; 720p/1080p video
• Lenovo Yoga Tablet 2: front and back: 1.6MP/8MP; 3264x2448
• HP Stream & Chromebook: TrueVision HD webcam 720p video / 5MP photo.
• Asus C720: 720p webcam
App Selection

• iTunes Store
• Chrome Web Store v Android Apps
• Microsoft Store (Metro) v Windows software (Desktop)
Enterprise Deployment


• Chromebook – Google Account / Chromebook Management Console: [https://www.youtube.com/watch?v=XYUGor4o-8g](https://www.youtube.com/watch?v=XYUGor4o-8g)

• Surface – Active Directory / Stand-alone software

• Android Tablet (Galaxy Note): Options coming soon?
  • "We saw one that would push apps out, but still required some activity at the recipient end to finish the install. We can't ask a first-grader to do that," -- Gene Tognetti, vice principal at [St. Leo the Great School](http://www.clf.org) in San Jose, CA
Resources

• Tablets for Schools
• The Hardware Choice: Selecting a 1-to-1 Computing Device (THE Journal)
• The Smart Way to Use iPads in the Classroom (Slate.com)
• Kathy Schrock's Guide to Chromebooks
• Windows 8 in Schools