Intro Survey

• Take a few minutes to answer the questions we gave you.
• Feel free to elaborate on your answers in the margins and take notes as we go along.
• There will be a question and answer session at the end of the presentation.
What’s the Difference?

- **Laptop** - a portable computer, usually battery-powered, small enough to rest on the user's lap and having a screen that closes over the keyboard like a lid.

- **Tablet** - a computer that accepts input directly onto an LCD screen rather than via a keyboard or mouse.
Rules for Buying Your Next Device

• Know what you need
  • Use your answers from the survey to guide your purchase.

• Manufacturer matters
  • Find a manufacturer that has a reputation for both quality products and quality support. Even the best devices experience problems, so it’s good to know you’ll have a resource to use if something goes wrong.
  • Especially with Android devices, some companies are more assertive and punctual about updating their products than others.

• Price doesn’t tell the whole story
  • Just because a device is expensive doesn’t mean you’re getting a quality product worthy of your dollar.

Source: http://www.cnet.com/topics/tablets/buying-guide/
<table>
<thead>
<tr>
<th>Specification</th>
<th>Laptop</th>
<th>Tablet</th>
</tr>
</thead>
<tbody>
<tr>
<td>Processing Power –Central Processing Unit (CPU)</td>
<td>Powerful computing processors with the necessary power to cool high-end processors. Most important part of the computer. (The CPU is like the brains of the computer)</td>
<td>Tablets are much more compact and cannot offer the same amount of processing power as a computer. Most important aspect of a tablet. (The CPU is like the brains of the tablet)</td>
</tr>
<tr>
<td>RAM (Random Access Memory: kind of like short-term memory)</td>
<td>Range from 4GB-32GB (or more). More RAM allows you to multitask more quickly. Can be upgraded.</td>
<td>Range from 1GB-8GB, but most have less than 4GB. Multitasking on a tablet is more difficult or can cause it to slow down.</td>
</tr>
<tr>
<td>Storage (like long-term memory)</td>
<td>Can be over 1 terabyte (TB). Even the most basic computer comes with a 250 gigabyte (GB) hard drive, which for many is more than enough storage for most users.</td>
<td>Built in storage ranging from 8GB-128 GB. In some cases, an expansion slot may be available for adding additional storage.</td>
</tr>
</tbody>
</table>

Source: [http://www.computerhope.com/issues/ch001397.htm](http://www.computerhope.com/issues/ch001397.htm)
<table>
<thead>
<tr>
<th>Specification</th>
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<tbody>
<tr>
<td>Portability</td>
<td>Some thinner and lighter laptops are available, but still don’t match tablets. Performance is also sacrificed with more portable laptops.</td>
<td>Smaller and lighter (average weight is about 1lb; average thickness is .5”)</td>
</tr>
<tr>
<td>Battery life</td>
<td>Average is about 6 hours.</td>
<td>Average is about 10 hours.</td>
</tr>
<tr>
<td>Interaction base/user input</td>
<td>Physical keyboard and mouse allow for more accurate typing and navigating.</td>
<td>Touch gestures can be easier to learn than keyboard shortcuts or mouse navigating.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Typing can be more difficult.</td>
</tr>
</tbody>
</table>

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<tr>
<th>Specification</th>
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<tr>
<td>Screen Size</td>
<td>Average is about 13 inches.</td>
<td>Average is 7-11 inches.</td>
</tr>
<tr>
<td></td>
<td>Bigger screens allow for better productivity.</td>
<td></td>
</tr>
<tr>
<td>Screen Resolution</td>
<td>Average pixel density is 116 pixels per inch (ppi)</td>
<td>Average pixel density is 218ppi.</td>
</tr>
<tr>
<td></td>
<td>Larger screens need less density for a sharp display, but tablets still tend to be sharper.</td>
<td>Text is easier to read and pictures are sharper, which causes less eye strain.</td>
</tr>
<tr>
<td>Operating System</td>
<td>Allows for use of more complex programs.</td>
<td>Built for “light” use: navigation is straightforward and quick, but programs tend to have less features.</td>
</tr>
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<td>---------------</td>
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</tr>
<tr>
<td>Applications</td>
<td>Applications are less diverse but built for more powerful usage and better productivity. Things like writing letters, spreadsheets, and editing photos and video tend to be better.</td>
<td>Apple Store, Google Play Store, &amp; Amazon Market all have huge collections of apps for practically any purpose you can imagine. Functionality tends to be more basic on apps that have a PC counterpart.</td>
</tr>
<tr>
<td>Cost</td>
<td>Prices for a computer (desktop or laptop) can vary widely, depending on its capabilities, storage, and other features. Prices can range from about $300 to $2000.</td>
<td>Tablets can also vary in price based on power and various features, but not as much as computers. Prices can be $150 to $500 in most cases, with a few models ranging up to $600 to $800.</td>
</tr>
</tbody>
</table>

Source: http://www.computerhope.com/issues/ch001397.htm
Suggested Laptops: $400 or Less

Dell Inspiron 11 3000 Series 2-in-1
- **Operating System:** Windows 10
- **Hard Drive:** 500GB
- **RAM:** 4GB
- **Cost:** $329+
- **Processor:** Intel Celeron
- **Screen Size:** 11.6 inch

Toshiba Satellite C50-BBT2N11
- **Operating System:** Windows 8.1
- **Hard Drive:** 1TB
- **RAM:** 4GB
- **Cost:** $349+
- **Processor:** Intel Celeron
- **Screen Size:** 15.6 inch

Asus X551MAV
- **Operating System:** Windows 8.1
- **Hard Drive:** 500GB
- **RAM:** 4GB
- **Cost:** $289+
- **Processor:** Intel Celeron
- **Screen Size:** 15.6 inch
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<th>Suggested Laptops: $400-$800</th>
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<tr>
<td><strong>Toshiba Satellite P50-BBT2N22</strong></td>
</tr>
<tr>
<td>Operating System: Windows 8.1</td>
</tr>
<tr>
<td>Hard Drive: 500GB</td>
</tr>
<tr>
<td>RAM: 8 GB</td>
</tr>
<tr>
<td>Cost: $699</td>
</tr>
<tr>
<td>Processor: i7-4720HQ</td>
</tr>
<tr>
<td>Screen Size: 15.6 inch</td>
</tr>
<tr>
<td><strong>Dell Inspiron 15 7000</strong></td>
</tr>
<tr>
<td>Operating System: Windows 10</td>
</tr>
<tr>
<td>Hard Drive: 1TB</td>
</tr>
<tr>
<td>RAM: 6 GB</td>
</tr>
<tr>
<td>Cost: $699</td>
</tr>
<tr>
<td>Processor: i5-5200U</td>
</tr>
<tr>
<td>Screen Size: 15 inch</td>
</tr>
<tr>
<td><strong>HP Envy 15t Quad Edition</strong></td>
</tr>
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<tr>
<td>Laptop</td>
</tr>
<tr>
<td>----------------------------</td>
</tr>
<tr>
<td>MacBook Air 11”</td>
</tr>
<tr>
<td>Toshiba Satellite S55-B5268</td>
</tr>
<tr>
<td>ASUS X550JK</td>
</tr>
</tbody>
</table>
Suggested Tablets: $300 or Less

Amazon Kindle Fire HDX 7
- Operating System: Custom Android
- Hard Drive: 16 GB Flash Storage
- RAM: 2 GB
- Cost: $179+
- Processor: 2.4 GHz Quad-Core
- Screen Size: 7 inch

Lenovo Yoga Tablet 2 8 Windows
- Operating System: Windows 8.1
- Hard Drive: 32 GB Flash Storage
- RAM: 2 GB
- Cost: $299+
- Processor: Intel Atom Z3745
- Screen Size: 8 inch

Samsung Galaxy Tab A
- Operating System: Android Lollipop
- Hard Drive: 16 GB Flash Storage
- RAM: 1.5 GB
- Cost: $199
- Processor: 1.2GHz quad-core Qualcomm Snapdragon
- Screen Size: 8 inch
Suggested Tablets: $300+

**iPad Air 2**
- Operating System: iOS 8
- Hard Drive: 16 GB
- RAM: 2 GB
- Cost: $499
- Processor: A8X 64bit
- Screen Size: 9.7 inch

**Google Nexus 9**
- Operating System: Android Lollipop
- Hard Drive: 16 GB
- RAM: 2 GB
- Cost: $367+
- Processor: NVIDIA’s new 64-bit, dual-core Tegra K1
- Screen Size: 8.9 inch

**Samsung Galaxy Tab S 10.5**
- Operating System: Android Lollipop
- Hard Drive: 16 GB
- RAM: 3 GB
- Cost: $423+
- Processor: Exynos 5 Octa 5420
- Screen Size: 10.5 inch
Suggested Hybrids

Microsoft Surface Pro 3
- Operating System: Windows 10
- Hard Drive: 64 GB
- RAM: 4 GB
- Cost: $799+
- Processor: i3
- Screen Size: 12 inch

Lenovo Yoga 3 14
- Operating System: Windows 8.1
- Hard Drive: 256 GB
- RAM: 8 GB
- Cost: $949+
- Processor: i7
- Screen Size: 14 inch

ASUS Transformer Book T300 Chi
- Operating System: Windows 8.1
- Hard Drive: 128 GB
- RAM: 4 GB
- Cost: $497+
- Processor: Core M 5Y10/5Y71
- Screen Size: 12.5 inch
Questions?