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**Review of the Literature**

**Product Comparison Matrix**

**Type of Technology: Tablets**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Apple  iPad | Samsung  Galaxy 10.1 | Motorola Xoom | HP Touch Pad | ASUS Transformer  TF300 |
| Price | Starting at $399  iPads  Recently purchased by our school  $499  Price quoted by SMD bookkeeper from Apple rep.  Megan Culp | $399.99  Price from online resource: CDW.com | $499.99  Price from online resource: CDW.com | $499.99  Price from online resource: CDW.com | $426.99  Price from online resource: CDW.com |
| Operating  System | Apple iOS 5 | Android 4.0 | Android 3.0 | webOS 3.0 | Android 4.0 |
| Screen Size/ Weight | 9.7 in /1.5lbs | 10.1in.  / | 10.1in./1.6lbs. | 9.7in./1.5 lbs. | 10.1in./1.4 lbs |
| Resolution  (in pixels) | 1024 x 768 | 1280 x 800 | 1280 x 800 | 1024 x 768 | 1280 x 800 |
| Processor  Speed &  Type | 1 GHz  Apple Dual-Core A5 | 1 GHz dual core ARM processor | 1 GHz dual-core Tegra 2 | 1.2 GHz  Qualcomm Snapdragondual-CPU APQ8060 | 1.2 GHz Nvidia Tegra 3 Quad-core CPU |
| Flash Memory | 16 GB | 16 GB | 32 GB | 16 GB | 32 GB |
| RAM | 1 GB | 1 GB | 1 GB | 1GB | 1 GB |
| Battery Life | 10 hrs. | Unknown  Expected 8 hrs. | 10 hrs. | Unknown | 10 hrs. |
| WiFi | Yes | Yes | Yes | Yes | Yes |
| Blue Tooth | Yes | Yes | Yes | Yes | Yes |
| Camera  Front/Rear  Facing | Yes/Yes | Yes/Yes | Yes/Yes | Yes/No | Yes/Yes |
| Rankings | #1  Faster processor with the i5 (especially for graphics);  Pricing is similar among most models;  Aluminum Backing;Better screen; More Apps available, but Apps are all tied to iTunes;  Impressive Battery Performance; quad core graphics to display educational games; face time; 1 per classroom already purchased for our school with professional development coming with them | Plastic Back; No solid documentation on battery life; dual core chip not as impressive as quad core processor; having microSD card better option for memory/storage features | Thicker; built-in flash gives better picture quality; Fewer Apps available; volume rocker flush and hard to operate (not kid-friendly); | No solid info found on battery life; Only front facing camera; less desirable OS with web OS 3.0 | Better pricing; Plastic Back;  Fewer Apps available |