# ABCmouse - Minimum Technical Requirements

## Android Tablet/Phone
- **Android Version:** 4.4
- **Minimum Processor:** Qualcomm Snapdragon 915, Samsung Exynos 9609, MediaTek Helio X30, HiSilicon Kirin 970
- **Memory (RAM):** 3 GB
- **Storage:** 16 GB
- **Google Play Store Certified**

## Chromebook
- **Minimum Device:** Web only product access
  1 GHz 2-core from 2017 or after (e.g., Acer Chromebook II Series)

## Apple iPad/iPhone
- **iOS Version:** 9.0
- **Minimum Devices:** iPad Air 2, iPhone 6s
- **Memory (RAM):** 2 GB
- **Storage:** 16 GB

## Amazon Kindle
- **Minimum Device:** Kindle Fire HD 2013 & Above

## Desktop/Laptop
- **Operating System:** Windows 10, Apple Mojave 10.10
- **Minimum Processor:** Intel 3rd Gen Quad Cores, AMD FZ and Opteron Quad Cores, Mac Mid 2012 i5-3317U
- **Memory (RAM):** 8 GB DDR3
- **Storage:** 10 GB
- **Supported Browsers:** Latest versions of Google Chrome, Mozilla Firefox, Safari, or Edge

## Connectivity

<table>
<thead>
<tr>
<th>Minimum Bandwidth per Concurrent User</th>
<th>Connection Quality</th>
</tr>
</thead>
<tbody>
<tr>
<td>Download: 2 Mb/second</td>
<td>Packet Loss: 0%</td>
</tr>
<tr>
<td>Upload: 100 Kb/second</td>
<td>Jitter: &lt; 40 ms</td>
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</tbody>
</table>

## Power Requirements
- **Mobile:** Consistent electricity for full recharging as needed
- **Desktop:** Consistent electricity required during school hours

## Firewall/Filter/Whitelist Requirements

- The following web and email domains should be added to your “whitelist” for firewalls, content filters, or any other filters that may prevent access to the product.

  **Domain and Email Whitelist:** educate@aolf.com, educate@email.ageoflearning.com, @abcmouse.com, @aolf.com, @ageoflearning.com


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