



Technical Specifications
Hill Learning System (HLS) 1.3.7 (1.3.7.18)
v.09122018

1. Overview: The Hill Learning System (HLS) platform is a tablet app and web portal to support the Hill Reading Achievement Program (HillRAP). All HillRAP classroom instruction is completed using the HLS tablet app. The tablet app must be installed on teacher and student devices. The same version of the HLS instructional app is installed on teacher and student devices. Teachers access the web portal to manage classes and reporting.
2. For the HLS 1.3.7 app,
 - 2.1. The HLS instructional app runs on an Apple iPad. The HLS has been designed to operate on Apple iPad 2 through current model of hardware, and it is recommended that the iPad have the latest version of iOS installed. The HLS app is currently supported on iOS 9 through the latest version.
 - 2.2. The HLS instructional app is available for free download through the Apple app store. To download, search: Hill Learning System

Link: <https://itunes.apple.com/us/app/hill-learning-system/id1023358680?mt=8>
 - 2.3. An HLS-enabled HillRAP group requires a set of iPads that includes an iPad for the teacher and an iPad for each student. For example, a HillRAP group with one (1) teacher and four (4) students would require five (5) iPads. For the teacher, both full-size or smaller iPads (iPad 2, 3, 4, Air, Air 2, current iPad, Pro or any model of the iPad Mini) are supported and recommended. For the student iPads, either a full-size or smaller iPads (iPad 2, 3, 4, Air, Air 2, current iPad, Pro or any model of the iPad Mini) are supported. iPad Mini models are recommended for students. Selecting an iPad screen size should be based on preference and budget. The HLS instructional app works equally well on both.
 - 2.4. While the HLS instructional app will work on any iPad since version 2, we recommend purchasing a currently available model for best performance, capabilities, and reasonable hardware lifecycle.
3. For network environment,
 - 3.1. Client/server communication is HTTPS.
 - 3.2. For instructional app to function, <https://hls.hillcenter.org/> and <https://hls-prod.azurewebsites.net/> cannot be blocked on network.
 - 3.3. **A reliable wireless network is critical.** Wi-fi should have sufficient coverage and provide uninterrupted access throughout the HillRAP session.
 - 3.4. Network must allow that devices are addressable to each other. The communication is peer-to-peer (p2p) over TCP over port 4455 between the devices over the local network.
4. For HLS web portal - <https://hls.hillcenter.org> site,
 - 4.1. It's recommended to use a modern browser (e.g. Edge, Firefox, Chrome, Safari, IE 10+, IE 9 with limited support).