

# HiFi<sup>®</sup> reading

## General description/overview

HiFi® Reading is a tablet-based application that facilitates the administration, scoring, and management of literacy assessments. HiFi Reading leverages the convenience of a tablet to make administering assessments easier than ever.

- Integrates seamlessly with your University of Oregon DIBELS Data System (DDS) account
- Uses touch-screen scoring for DIBELS 6<sup>th</sup> Edition and easyCBM Reading in kindergarten through sixth grade

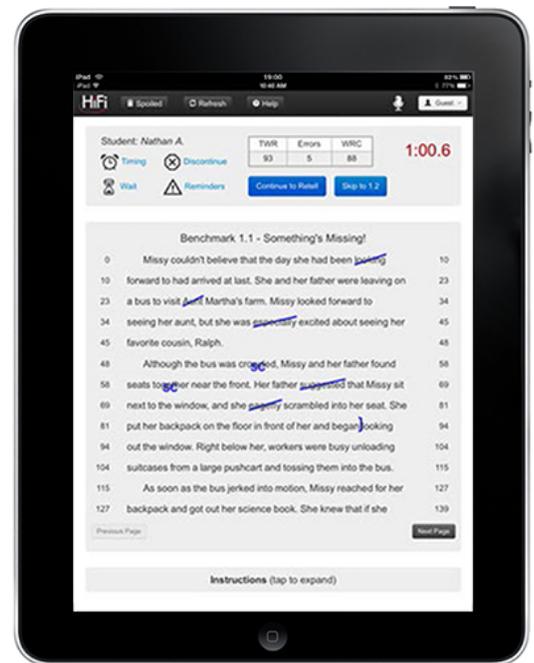
Download the [HiFi Reading](#) app and [activate HiFi Reading](#) in your DDS account today!

## Product information

HiFi Reading is an app that facilitates administration and scoring of literacy measures.

Features of HiFi Reading:

- Eliminates data entry and paper copies of assessment booklets
- Easily integrates with your DDS account to roster students, upload data, and view assessment status and progress
- Manages the assessment process for benchmarking and progress monitoring by keeping track of class rosters, students' scores, and which students to test – all on the tablet
- Helps improve assessment accuracy by providing the option to save audio recordings of assessments for later playback and review using the ScoreExplorer feature
- Available where you need it: at your desk, a student's desk or in the hall: no internet connection required for testing
- Patent-pending HiFi Reading technology available for iPad
- Allows for in-grade and out-of-grade progress monitoring



## Requirements

### Technology

- iPad
  - iOS 10.0 or later
  - 1GB of available storage space recommended if using the audio recording feature
- [HiFi Reading iPad app](#)
- [DIBELS Data System](#) (DDS) account to roster students, store assessment data, and view reports
- Occasional internet access to synchronize between the DDS and *HiFi Reading* app
  - Internet connection not needed to administer assessments

### Materials

- [DIBELS Student materials](#) available as a reusable free download. Individual student scoring booklets not needed.
- easyCBM testing materials are available to download for no additional charge with a subscription.

## Pricing

- [HiFi Reading](#) app with a Guest Account: **FREE**
- DDS Standard service includes HiFi for \$1 per student per year
- easyCBM Reading includes HiFi for \$2 per student per year

## Data Management

*HiFi Reading* brings tablet scoring to your DIBELS Data System (DDS) account to provide all your data management and reporting needs.

- *HiFi Reading* does not require an active internet connection in order to administer and score assessments, but can sync your data to the DDS when you have an internet connection.
- Manage student rosters and access [powerful reports](#) through your DDS account.
- Optional audio recordings are available for later playback if the recording feature is turned on during assessments. Audio recordings may be used to:
  - Verify the accuracy of scores using the ScoreExplorer feature.
  - Provide feedback to students about their own reading.
  - Communicate with parents about their child's reading.

## Research

- *HiFi Reading* was iteratively developed based on accuracy data and teacher feedback (supported by IES grant ED-IES-13-C-0038).
- *HiFi Reading* increases DIBELS administration accuracy.
  - Ten teachers assessed six students each using both the *HiFi Reading* app and the typical DIBELS paper booklets. Half of the teachers started testing with *HiFi Reading* and then switched to paper booklets and the other half of the teachers started testing with the DIBELS paper booklets.
  - When using the tablet teachers were more likely to (a) hold the tablet (clipboard or booklet in the case of the DIBELS paper-based testing condition) so that the child could not see what they were marking, (b) mark incorrect words appropriately, (c) place an end bracket around the last word read by the student within one minute, (d) accurately determine the final score, and (e) accurately record the final score.
  - Teachers were 100% accurate at marking errors, and 99% accurate in calculating the final score when using *HiFi Reading*. When the typical DIBELS paper booklets were used, the same teachers were 85% and 80% accurate on those respective activities.
- Pilot testing with 26 teachers showed that *HiFi Reading* is straightforward and easy to use.

- Teachers spent, on average, 10 minutes with a *HiFi Reading* web-based training manual and were then immediately able to assess their students.
- Based on results from focus groups and a survey regarding how likely they would be to adopt the technology in their classrooms, all teachers stated that (a) they would rather use *HiFi Reading* than continue to use the current paper-and-pencil approach, (b) using *HiFi Reading* would save them time, and (c) using *HiFi Reading* would result in better instructional placement decisions about their students.

### Related Research

Cummings, K.D., Biancarosa, G., Schaper, A., & Reed, D.K. (2014). Examiner error in curriculum-based measurement of oral reading. *Journal of School Psychology, 52*, 361-375. doi: 10.1016/j.jsp.2014.05.007

Reed, D.K., Cummings, K.D., Schaper, A., & Biancarosa, G. (2014). Assessment fidelity in reading intervention research: a synthesis of the literature. *Review of Education Research, 84*(2), 275-321. doi: 10.3102/0034654314522131

Smolkowski, K. & Cummings, K.D. (2016). Evaluation of the DIBELS (6th Edition) diagnostic system for the selection of native and proficient English speakers at-risk of reading difficulties. *Journal of Psychoeducational Assessment, 34*(2), 103-118. doi: 10.1177/0734282915589017

### Teacher Testimonials

*"I love the HiFi application. It was incredibly easy to use. The touch screen technology is intuitive. And I love how all my students' data is collected in one easy place."*

*"I liked that the iPad blinked (at the end of a minute) so I could mark (the end) and then let the student finish the sentence."*

*"It allowed me to really listen to the reader. I didn't have to be thinking as much about my role."*

*"Having the recordings will make more effective data team meetings because instead of just having the numbers you'll have the actual recording."*