Overview of Amira

Amira Learning is the world's **first intelligent reading assistant** that provides personalized tutoring to students at school, after school, or at home. Students working with Amira experience **significant improvements in their reading fluency**.

The Student Experience

- Amira offers students appropriately complex stories, and the **student selects a story** to practice reading with.

- **The student reads aloud to Amira** and Amira uses speech recognition technology to listen to the student and identify their reading skill gaps.

- When students struggle, **Amira uses artificial intelligence to select from 60 micro-interventions** built by reading scientists and designed to accelerate mastery of phonics, phonemic awareness, decoding, vocabulary, and comprehension.

- **Amira then delivers immediate and individualized tutoring in the moment of struggle** using the selected micro-intervention to help the student improve their reading ability.

- **Amira celebrates student success** and informs them of their progress.
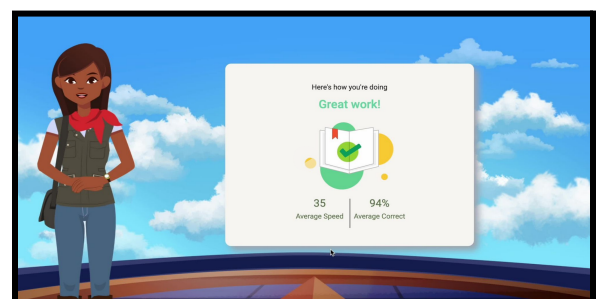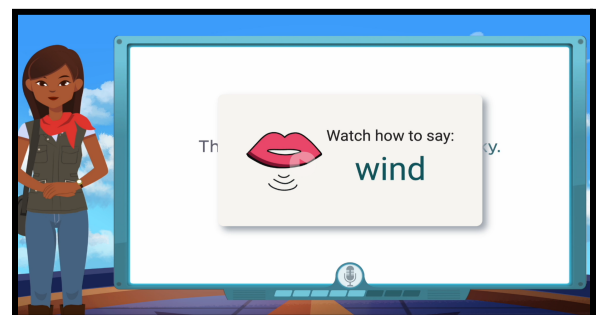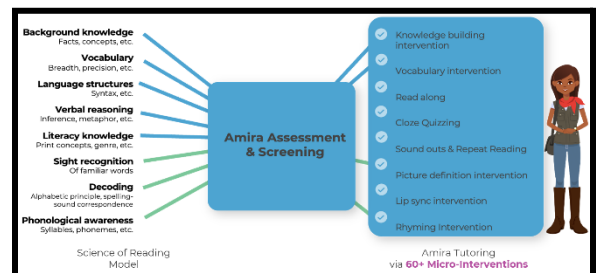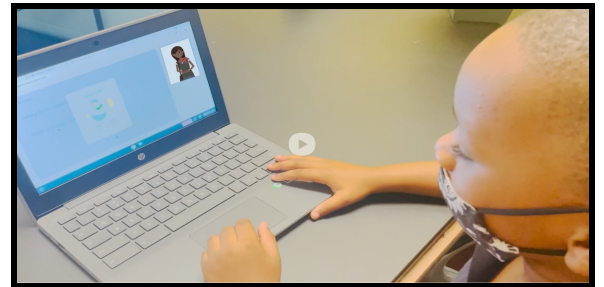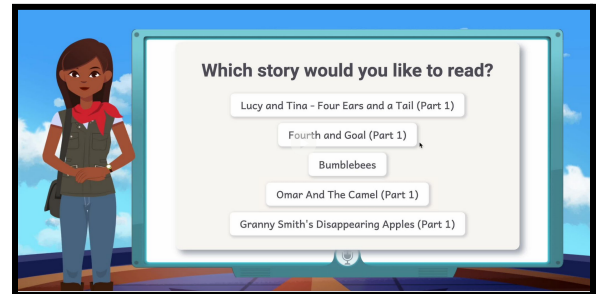
The Teacher Experience

After each reading session, teachers or tutors are provided with immediately-updated and incredibly detailed reports <u>tracking student success or struggle down the phoneme level</u> and across the pillars of reading.

Teachers are also able to see a <u>summary of all of their students</u> in their classroom and group students with similar struggles to help inform small group teaching outside of Amira and are provided with curated links to instructional resources and activities that teachers can use with students outside of Amira.
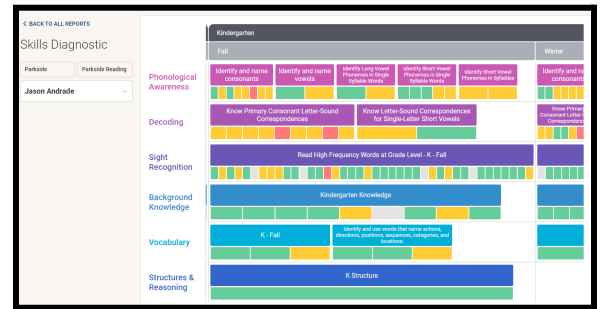

Implementation Models

Amira is flexible and fits easily into existing education routines. Most schools use Amira during independent reading time, at the beginning or end of a literacy block, or as part of a station rotation or centers model. Some schools use Amira as part of an afterschool program, assigned as homework, or in partnership with tutors. For maximum impact, students should practice reading with Amira at least **three times a week for 10-15 minutes** per session.

Evidence & Impact

Amira is the culmination of 30 years of research and development by literacy experts and artificial intelligence scientists at Carnegie Mellon University. There are more than 100 peer-reviewed studies on the technology that drives Amira, and these studies consistently find that when students work with Amira, they experience significant learning gains.
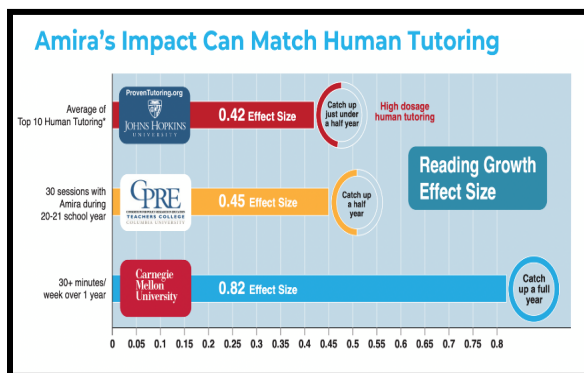
A recent independent analysis of Amira, conducted by Columbia University during the 20-21 school year, found that **<u>students who worked with Amira at least 30 times over a 12 week period experienced reading gains on par with human tutors.</u>** Our program data consistently shows that students using Amira see 2x fluency gains relative to students who do not.

North Dakota Students Can Benefit from Amira

The North Dakota legislature has made Amira available to any interested school district free of charge for the next two school years (SY23-24 and SY24-25). To learn more attend the NDCEL Webinar on Thursday, August 3 from 12:00 - 1:00pm.