

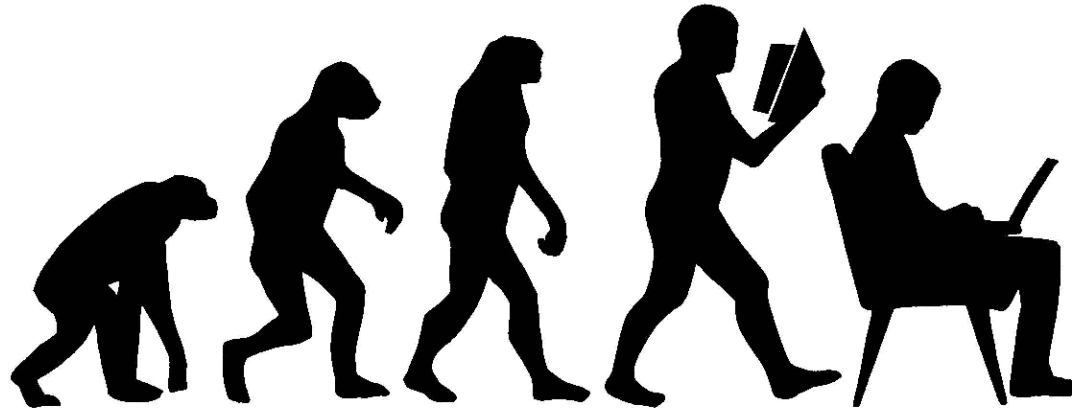


Carnegie Speech

BART

"Tech-Day" Mini-Conference!

WELCOME



**The evolving role of speech
recognition technology
in language assessment and
learning.**

Your Presenter - David Oberlin



Vice President Global Education, Carnegie Speech

Previously

President, EduRep, Inc

Vice President, Product st3 Inc.

Technology Director Cleveland TN City Schools

Schools and Teachers Under Pressure



Schools and Teachers Under Pressure includes:

- **Public Schools**
- **Private Language Schools**
- **Technical Schools**
- **Higher Education**

To be prepared, students need Oral Fluency

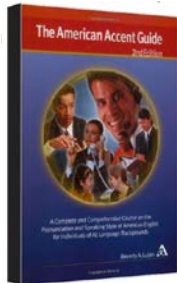
- **The Common Core** ELL Proficiency Level 3 addresses pronunciation, short phrases and sentences, and Level 4 spoken grammar
- **Traditional measurement** of oral fluency skills with hand raters is uncertain and expensive
- Assessing skills and teaching oral fluency is challenging due to wide differences in the **learners' first languages**

ESL Language Learning Software evolution

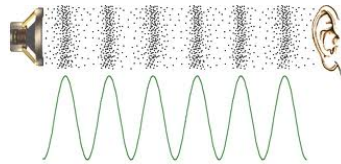
Typical Products



Discs



Books
w/ CDs



Online

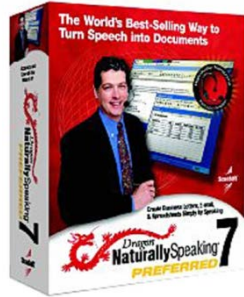
Typical Limitations

- **One size fits all**
- **Little to no consideration of user's capabilities**
- **No consistent measure of success**
- **Speech instruction equates to "parroting" a sound wave**

Speech Recognition Evolution

1990

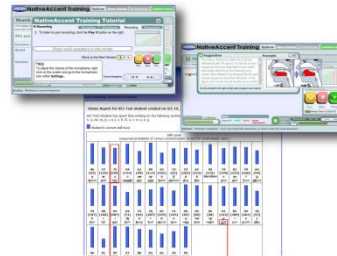
2015



Dragon Naturally Speaking – typing automation



Tell Me More - Speech Recognition for language learning at phrasal level



NativeAccent
pinpointing phonemes



Duolingo
Cambridge
Assessment

1990

2015

Questions to ask

- To utilize speech recognition technology to accelerate the learning process and improve student outcomes, is it:
 - **Age Appropriate?**
 - What is the recommended student age range?
 - **Engaging?**
 - What is the average active learning time?
 - **Flexible?** – Can it be used in and out of the classroom?

Questions to ask

- Is the software...
 - **Relevant ?**
 - Does it assess and teach the skills that are needed by each student?
 - **Accessible?**
 - Does it allow students global access from multiple devices?
 - **Effective?**
 - Does it show gains in skills taught?
 - **Cost Effective?**
 - fit into budgets

Other considerations

- **Infrastructure**
 - The District and the School technology plans
 - where will the district be in 2-5 years?
- **For example**
 - Does the district or school technology plan call for
 - Tablets (IOS or Android?)
 - Laptops
 - Learning Labs

One Other Thing...

- Headsets are very important with speech recognition software run on a PC or Mac computer
- I strongly recommend:
 - Noise-cancelling microphone on a flexible arm
 - USB connectivity

Support

- Ask for the support plan before you invest your time reviewing the software.
 - **What type of support is offered**
 - Included at no cost
 - Extra Fee based support
 - Free and Premium (paid) support
 - **Telephone or Email support or both?**
 - What is **the normal response time** when things don't work?

Cost

- Free web resources



- Freemium and Premium



- Software as a Service (SaaS) Licensing – periodic fee based

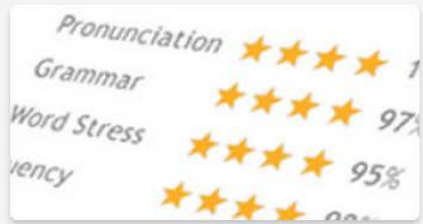


Examples of software teaching oral fluency skills

NativeAccent BART TESOL ▾

Welcome, to NativeAccent, BART. We're going to,

See your Skills.



Complete a set of exercises to help us assess your current skill level.

Practice Lessons.



Practice with an individualized lesson plan that best supports your learning.

Get Results.



View your progress over time, across assessments and for each lesson.

[Get Started!](#)

Click on the Get Started! button to access this Assessment.

The Future Is Here!

Carnegie Speech



**For free NativeAccent
and/or
Lingo Online demo accounts
Please go to www.edurep.com/bart
and complete the request form.**