

Spoken English Skills for:

Universities
Colleges
Adult Education
Distance Learning
EL Civics
Middle School
High School
Even Start
Family Literacy
Migrant Education
Career and Technical Education
Workforce Development
Workplace Readiness



Improving Spoken English

Advanced Speech Recognition Technology and ELL Curriculum Developed at Carnegie Mellon University

In U.S. education today, there are many students, teachers, teaching assistants, lecturers and instructors whose first language is not English.

Their success in the classroom and in their daily lives is often directly related to their ability to communicate concepts and information delivered in spoken English.

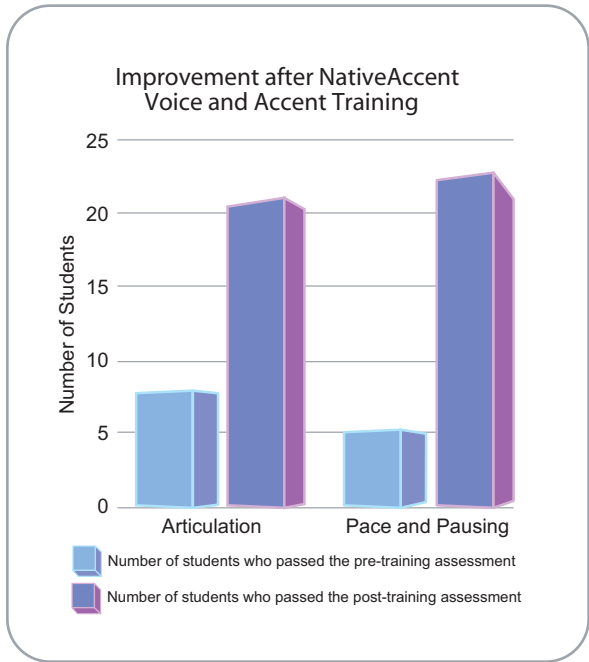
NativeAccent[®] by Carnegie Speech

NativeAccent's curriculum delivers over 100 hours of instruction, focusing on the aspects of spoken English most challenging to each learner.

Exercises provide specific feedback in:

- Phonemic pronunciation
- Duration, pitch and intonation
- Word stress
- Pace and pausing
- Fluency

Delivered over the Web via Adobe[®] Flash
No locally installed software! Minimal IT support required!



Results from a blind research study comparing spoken English skills before and after 13 hours of NativeAccent instruction.

- Student's passing scores in articulation increased from 33% to 88%*
- Student's passing scores in pace and pausing increased from 21% to 96%*

* These numbers reflect the percentage of students who passed **before** NativeAccent instruction was implemented compared to the percentage who passed **after** completing 13 hours of NativeAccent instruction.



NativeAccent - The Results

In a blind study run by a Fortune 50 company using its own assessment tools, learners who used Carnegie Speech NativeAccent® achieved significant gains in articulation and prosody as shown above.

Additionally, this study showed a 64% decrease in the time required of the teacher.

NativeAccent by Carnegie Speech - Technology

- 8 - 10 minute assessment grades 250 individual spoken English skills
- Intelligent tutor dynamically organizes curriculum to deliver custom phonemic and prosodic instruction and feedback to each learner
- Gender matched voice models for instruction
- Curriculum customizations for 32 native languages
- Delivered over the World-Wide-Web
- No locally installed software
- Minimal IT Support required





**The Sequence
Is Created For
Each Learner**

**NativeAccent Intelligent Tutor Scope and Sequence
Sample for Native Spanish Speaker**

Description	Focus	Exercises	Contrasts
Excercises are presented by the Intelligent Tutor based on the student's initial assessment.	IH	<ul style="list-style-type: none"> • Word level <ul style="list-style-type: none"> - Initial - Middle - Long • Consonants • Phrases • Sentences 	• IY
	DH	<ul style="list-style-type: none"> • Word level - all vowels <ul style="list-style-type: none"> - Initial - Middle - Final - Hard • Sentences 	• Z
Lessons are ordered based on the student's score on their initial assessment	L	<ul style="list-style-type: none"> • Word level - all vowels <ul style="list-style-type: none"> - Initial - Middle - Final - Hard • Phrases • Sentences 	
	R	<ul style="list-style-type: none"> • Word level - all vowels <ul style="list-style-type: none"> - Initial - Middle - Final - Hard • Phrases • Sentences 	
Lessons are 15 minutes time-on-task, and are repeated 3 times during the course	TH	<ul style="list-style-type: none"> • Word level - all vowels <ul style="list-style-type: none"> - Initial - Middle - Long - R & L • Phrases • Sentences 	<ul style="list-style-type: none"> • Missing TH • T
	EH	<ul style="list-style-type: none"> • Word level <ul style="list-style-type: none"> - Initial - Middle - R & L • Phrases • Sentences 	• EY

Description	Focus	Exercises	Contrasts
Suprasegmental lessons in pitch and duration in words, phrases and sentences (summarized)	<ul style="list-style-type: none"> • Number Contrasts • Word Stress • Vowel Reduction 	<ul style="list-style-type: none"> • Duration • Pitch 	
Lessons focused on pronunciation of phonemes in the initial, medial and final position in words, phrases and sentences (summarized)	<ul style="list-style-type: none"> • SH • B • CH • D • F • G • K • JH • AH • AW • AO • AY • EY • T • IY • M • NG • P • V • Z • N • UH • Y • OW • OY • S • UW • ZH • AE • HH • W 	<ul style="list-style-type: none"> • Word level - all vowels <ul style="list-style-type: none"> - Initial - Middle - Final - Hard • Phrases • Sentences 	



In many cases, the language patterns that students model are based on those of their peers and not their teachers...



Carnegie Speech NativeAccent uses advanced speech recognition to pinpoint a user's pronunciation errors and deliver targeted exercises, using composite American English voice models. NativeAccent is different than other pronunciation software in that it:

- Precisely pinpoints where errors are made
- Provides specific instruction on how to improve
- Gives instant feedback, avoiding trial and error exercises
- Detects student's speech needs and adapts the curriculum to maximize learning and minimize training time
- Builds self-confidence in speaking with others



Call your Education Distributor to schedule a web demonstration, and experience NativeAccent, see how it works and learn how it will help your students!



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