

Project: Leapfrogging

Global Issues in Educational Technology Leadership
EDTC804

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Focal Context

United States developed digital solutions for enabling language acquisition of English by individuals that already speak another language.



(Next Generation Learning Model for ELL students, 2017)

Next Generation Learning Model for ELL students

Competency-Based Education and Designing for English Language Learners

Definition design elements for competency-based education systems	ELL considerations	Competency-based education system for ELL students
Students advance upon demonstrated mastery.	Education programs serving ELL students need to meet every learner where they are, in both academic content and language development, and make sure they grow and progress.	ELL students receive the time, instruction, strategies and supports, as needed, to reach mastery in language development, literacy and academic content.
Competencies include explicit, measurable, transferable learning objectives that empower students.	ELL students benefit from the integration of content standards and language development standards and tools to help them access content learning objectives.	Competencies for ELL students include those for language, literacy and academic content.
Assessment is meaningful and a positive learning experience for students.	Assessments generate feedback for ELL students and provide next steps in language development and content learning objectives.	Assessments for ELL students are ongoing, aligned with both English language development standards and academic standards.
Students receive timely, differentiated support based on their individual learning needs.	Instructions, supports, interventions take into account ELL students' entry points (language development level, prior knowledge, etc.).	ELL students receive targeted feedback and strategies based on their specific language and academic learning needs.
Learning outcomes emphasize competencies that include application and creation of knowledge, along with the development of important skills and dispositions.	Definition of student success is broadened for ELL students to include language, academic and lifelong learning skills.	In addition to enhancing students' language, literacy and academic learning, ELL students also receive support in the skills and dispositions essential to success.



Inspiration

(Fuel Education, 2017)

Famous English Language Learners Inspire Persistence

- Milas Kunis
- Arnold Schwarzenegger
- Jackie Chan
- Antonio Banderas



(Merit Software, n.d.)

Merit Software

- A dedicated section devoted for ELL students with special education needs
- Provide detailed coverage of core competencies including reading, writing, grammar, vocabulary, and math
- Software based and engaging web based learning environment
- Built in tracking to target student's weaknesses
- Additional webinar resource materials for instructors



Steven Wong

(PEG Writing, n.d.)

PEG Writing

- Help ELLs improve their overall writing skills.
- Developer: Measurement Incorporated
- Web based learning environment
- Help to improve writing for students in grades 3-12
- Automated essay scoring
- Instantly review essays
- Provides immediate feedback & recommendations

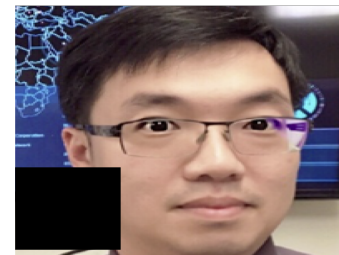


Steven Wong

(Prac Tutors, n.d.)

Prac Tutor

- Help ELLs improve their Math/ELA scores
- Developed by US education experts, 45+ curriculum
- Web based- adaptive and self- learning environment
- Personalized practice questions to assist students' weaknesses areas
- Automatic recommendations and feedback



Steven Wong

(DVDs for Schools, n.d.)

Standard Divants Accelerate

- Cerebellum Corporation Developer
- Audio-Visual Tool
- Standard \$30 USD per Set
- Offers specific ESL Series
 - ▶ 12 Component Set
- Requires Optical Drive Player



Damiano Mastrandrea

(ST4 Learning, n.d.)

Veritas Vocabulary + Reader

- Zinc Reading Labs Developer
- Improve Reading Skills
- Budget Quote Required
- Specialized ELL Content
- Includes Game Elements & Authentic Texts
- Automated Personalization Features



Damiano Mastrandrea

(Whooo'sReading, n.d.)

Whooo's Reading

- Online Learning Platform
- Free for Teachers
- Geared for Writing
- Automated System Analyzer
 - Interprets Written Text as a Whole
- Includes Game Elements
- Indirect Market for ELL Students



Damiano Mastrandrea

WordQ + SpeakQ

(Zinc Learning Labs, n.d.)

- ST4 Learning Developer
- Writing & Verbal Skills
- Add-On Service
 - For Popular Word Processor Tools
- Indirect Market for ELL Students



Damiano Mastrandrea

eSpark

(eSpark Learning, n.d.)

- Online Platform
- Data-Driven Differentiation
- Uses Game-Based Learning Quests
- Scaffolded to Support ELL Learners
 - ▷ Visual Vocabulary
 - ▷ Conversation Practice
 - ▷ Audio Support



John Findura

(GrammarFlip, n.d.)

GrammarFlip

- Online Platform
- Low Price Point for Classroom-Based Solutions
- Focuses on Basic Grammar
- Works at Student's Own Pace (Offers Differentiation)



John Findura

(Carnegie Speech, n.d.)

NativeAccent

- Online Platform Specifically Designed for ELL Students
- Personalizes to Each Student's Native Language
- Focuses Not Only on Pronunciation and Grammar, But Also on Prosodics (Stress, Pace, and Pausing)
- Uses Technology Created at Carnegie Mellon University



John Findura

Similarities

■ Online Platform

- Veritas Vocabulary + Reader & Whooo's Reading + Merit + PEG Writing + Prac Tutor

■ AI-Based Writing Analyzer

- Whooo's Reading + PEG Writing + NativeAccent

■ Free

- Veritas Vocabulary + Reader & Whooo's Reading

■ Game Elements

- Veritas Vocabulary + Reader & Whooo's Reading + Prac Tutor + GrammarFlip + eSpark

■ United States Based

- Standard Divants Accelerate & Veritas Vocabulary + Reader & Whooo's Reading & WordQ + SpeakQ + Merit Software + PEG Writing + Prac Tutor + GrammarFlip + eSpark + NativeAccent





Categories

Online Tools

- Veritas Vocabulary Reader
- Whooo's Reading
- WordQ + SpeakQ (Add-On)
- Merit Software
- PEG Writing
- Prac Tutor
- eSpark
- GrammarFlip
- NativeAccent

Stand-Alone Solutions

- Standard Divants Accelerate
- Merit Software

Socio-Emotional Supports

- NativeAccent



Intended Usage

Curriculum

- Whooo's Reading
- Prac Tutor
- eSpark
- GrammarFlip

Supplement

- Standard Divants
- Accelerate
- Veritas Vocabulary Reader
- WordQ + SpeakQ (Add-On)
- Merit Software
- PEG Writing
- Prac Tutor
- NativeAccent

Student Performance Tracker

- Merit Software
- Prac Tutor
- PEG Writing
- eSpark
- GrammarFlio
- NativeAccent



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