Technology Integration: Special Considerations for ELL/ESL Classrooms

Stasha Whitfield – LSTE 7310 – Integrating Technology – Demonstration
Do They Comprehend Your Instructions?
is it GIBBERISH?

OR
Issues and Problems Integrating Technology in ELL/ESL Classrooms
Multiple Problems May Exist, Including, but Not Limited to:

- Limited or inadequate prior education
- First language is not alphabet-based
- Language in the home does not include English
- No prior technological background
- No access to technology in the home
- Teacher has no experience with ELL/ESL students
So, where should Technology Integration begin in the ELL/ESL classroom?
Two Considerations:

Teacher

Student
Start with TPACK

http://www.citejournal.org/vol9/iss1/general/article1.cfm
As a teacher, where do you fall in the TPACK framework?
CK = Content Knowledge
(In this Case ESL)

Idea
Concepts
Theories

Language Acquisition
PK = Pedagogical Knowledge

Teaching Methods

Assessments

Lesson Planning

Classroom Management
PCK = Pedagogical Content Knowledge

One apple, PLUS One apple, EQUALS Two apples

Making Connections
Adapting

Alternative Strategies
TK = Technology Knowledge

Adapt to Changes

Broad Understanding of Information Technology

Fluency of Information Technology

Always Evolving
TCK = Technological Content Knowledge

Technology vs. Content

Expansion of Content through Technology

Technology & Domain

Varied Representation
TPK = Technological Pedagogical Knowledge

Developmental Appropriateness

Knowing:
• Which tools to use
• When to use them

Creativity

Effects on Teaching & Learning
TPACK = Technological Pedagogical Content Knowledge

Content
Teaching Skills
Pedagogy
Technology
Students’ Prior Knowledge
Flexibility
For Students, Consider:

K
W
L
For now, focus on the first two components.
What do they... 

Know
Knowledge & Skill Level in:

- Social Language
- Academic Language
- Technology

As well as:

- Motivation
- Influencers
- Access to Technology
Then... What do they need to learn?
Backwards plan
to get them
from where they are
to where they need to be
As students work on technology-rich lessons
The question, “What did they ... will become measurable? ”
10 Strategies for Implementation of Technology Integration
#1 – Introduce Content with Images

1 + 1 = 2
#2 – Interactive Storybooks with Audio & Visuals
#3 – Handheld & Interactive Software for private feedback
#4 – Visual Presentation Software for Scaffolding

http://www.techlearning.com/techlearning/archives/2006/11/SMARTBoard600i.jpg
#5 – Vocabulary & language skill practice on carefully chosen websites
#6 – Virtual collaboration with classmates
#7 – Simulations Through Virtual Field Trips
#8 – Word Processing to strengthen grammar & spelling
#9 – Support & Instruction Through Language Labs
#10 – Access to Content via the Internet in First & Second Language
How will you integrate?