



Multimedia and Millennials:  
Using Images, Sound, and Video  
to Empower Learning

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**Presentation Notes:**  
<http://essdack.org/gaetc2006>

GaETC 2006



## Digital Students

Today's students are different than students were 15 years ago. They learn differently and as a result feel disconnected from schools that were designed for another time.



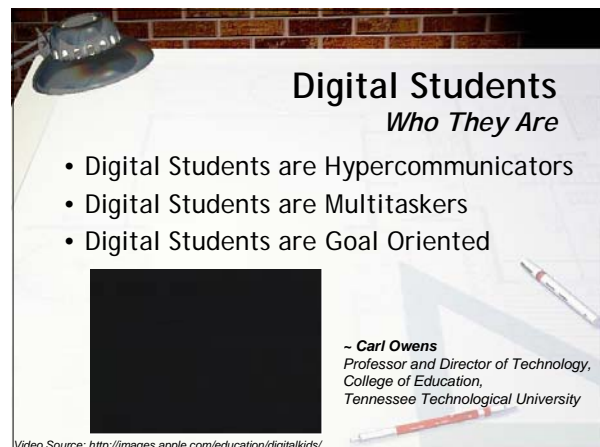
Photo Source: <http://images.apple.com/education/digitalkids/>



## Digital Disconnect

<b>Digital Native Learners</b>	<b>Digital Immigrant Teachers</b>
<ul style="list-style-type: none"><li>• receive information quickly from multiple multimedia sources</li><li>• parallel process and multitask</li></ul>	<ul style="list-style-type: none"><li>• Receive slow and controlled release of information from limited sources</li><li>• singular process and single or limited tasks</li></ul>


Mark Prensky, *Digital Natives, Digital Immigrants* (2001)



## Digital Students

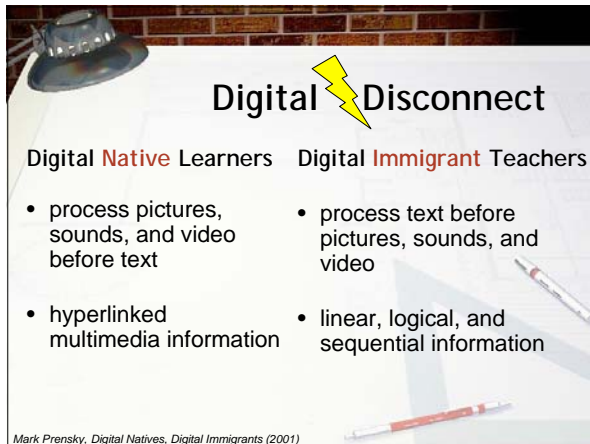
*Who They Are*


- Digital Students are Hypercommunicators
- Digital Students are Multitaskers
- Digital Students are Goal Oriented



~ Carl Owens  
Professor and Director of Technology,  
College of Education,  
Tennessee Technological University

Video Source: <http://images.apple.com/education/digitalkids/>



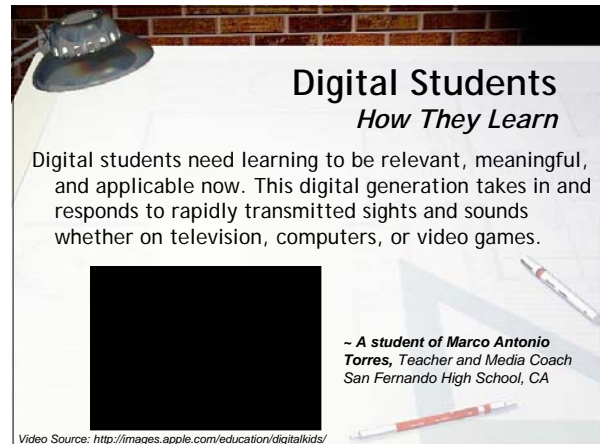
**Digital  Disconnect**

Digital **Native** Learners      Digital **Immigrant** Teachers

- process pictures, sounds, and video before text
- hyperlinked multimedia information

- process text before pictures, sounds, and video
- linear, logical, and sequential information

Mark Prensky, *Digital Natives, Digital Immigrants* (2001)

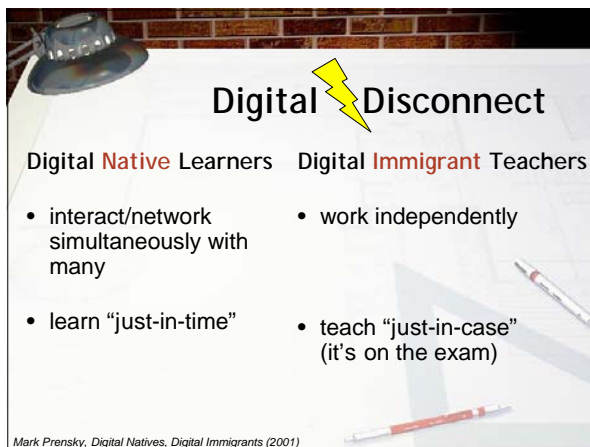


**Digital Students**  
*How They Learn*

Digital students need learning to be relevant, meaningful, and applicable now. This digital generation takes in and responds to rapidly transmitted sights and sounds whether on television, computers, or video games.

**~ A student of Marco Antonio Torres, Teacher and Media Coach  
San Fernando High School, CA**

Video Source: <http://images.apple.com/education/digitalkids/>



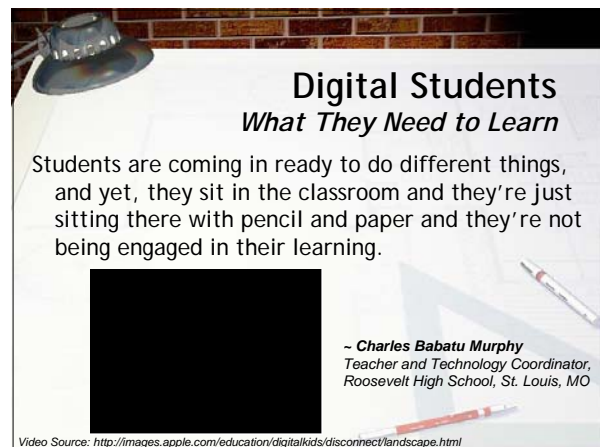
**Digital  Disconnect**

Digital **Native** Learners      Digital **Immigrant** Teachers

- interact/network simultaneously with many
- learn “just-in-time”

- work independently
- teach “just-in-case” (it’s on the exam)

Mark Prensky, *Digital Natives, Digital Immigrants* (2001)



**Digital Students**  
*What They Need to Learn*

Students are coming in ready to do different things, and yet, they sit in the classroom and they’re just sitting there with pencil and paper and they’re not being engaged in their learning.

**~ Charles Babatu Murphy**  
Teacher and Technology Coordinator,  
Roosevelt High School, St. Louis, MO

Video Source: <http://images.apple.com/education/digitalkids/disconnect/landscape.html>

## Digital Disconnect

<b>Digital <i>Native</i> Learners</b>	<b>Digital <i>Immigrant</i> Teachers</b>
<ul style="list-style-type: none"><li>instant gratification and rewards</li><li>relevant, instant useful, and fun learning</li></ul>	<ul style="list-style-type: none"><li>deferred gratification and rewards</li><li>teach to the curriculum guide and standardized tests</li></ul>

Mark Prensky, *Digital Natives, Digital Immigrants* (2001)

## Digital Students



### *Creating With Digital Tools*

<ul style="list-style-type: none"><li>Hypermedia</li><li>Collaborative</li><li>Global</li><li>Creative</li></ul>	<ul style="list-style-type: none"><li>Relevant</li><li>Useful</li><li>Authentic</li><li>Multi-task</li></ul>
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~ Karen Thompson  
Instructional Technology Facilitator,  
Springfield District 186, Springfield, IL

Video Source: <http://images.apple.com/education/digitalkids/disconnect/>

## Animation

	
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**Animated Research**  
<http://mueller.usd259.org/Archived/disasters>

**Clay Animation**  
<http://education.wichita.edu/claymation>

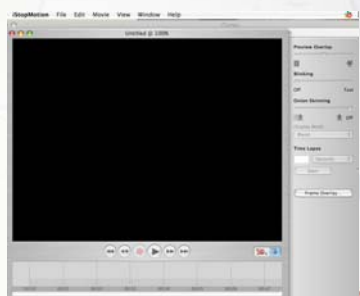
## Time-Lapse Photography

		
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**Time Lapse Photography in Education**  
<http://members.ozemail.com.au/~cumulus/lapse2.htm>

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### Animation in the Classroom



<http://education.wichita.edu/claymation>


### Visual Poetry



“When I don't feel like feeling”

Visual Poetry  
<http://members.ozemail.com.au/~cumulus/lapse2.htm>

### Audio Poetry



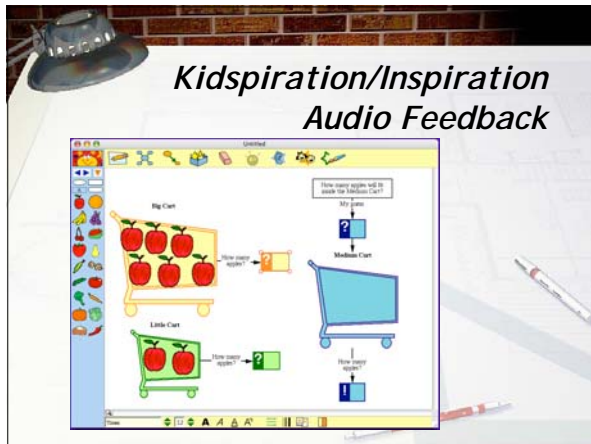
Rinita reads a poem about how she struggles to survive in a world where she lives in.

### Digital Portfolios



Madeline's Museum of ME!  
<http://www.edtech4teachers.com/museumofme>

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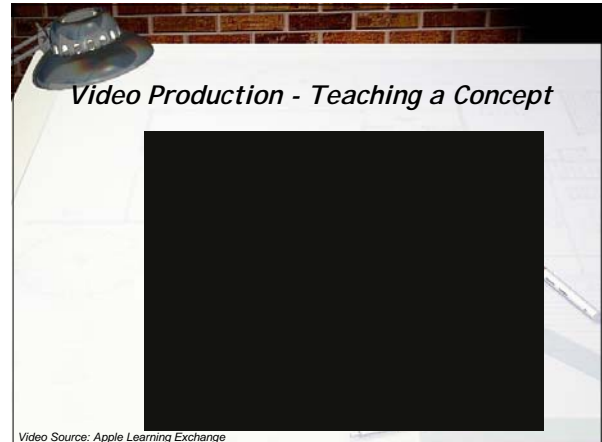


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**Documenting a Process**  
*Robotics*

Shocker Mindstorms  
<http://education.wichita.edu/mindstorms>



**Video Production - Teaching a Concept**

Video Source: Apple Learning Exchange



**Virtual Tours and Field Trips**

Virtual Fire Station Field Trip  
[http://education.wichita.edu/twitherspo/firestation\\_vft/index.htm](http://education.wichita.edu/twitherspo/firestation_vft/index.htm)

Mueller Elementary Virtual Tour  
<http://mueller.usd259.org/adamson/virtualtour/virtualtour.html>



**Video Production - Digital Storytelling**

Students at Century High School in Bismarck, North Dakota interview veterans in their community and retell their American experiences. This project empowers students to study, record, and bring history to life, making a solid connection between living history and communication skills. It also offers a way to bridge the generation gap and provides a service to the community.

Video Source: Apple Learning Exchange

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**Video Conferencing**

- TWICE: Two Way Interactive Connections in Education  
<http://www.twice.cc/>
- Video Conferencing for Learning  
<http://www.kn.pacbell.com/wire/vidconf/vidconf.html>
- Easy Video Conferencing in Schools  
<http://members.ozemail.com.au/~leemshs/vidconf.htm>



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