Technology:
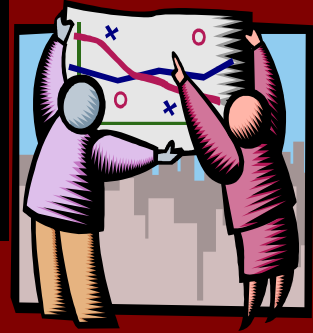**Rigor, Relevancy & Literacy in Action**

Peter Pappas

Rigor and Relevance

A quick review

Bloom's different levels of rigor

Evaluation: appraise, defend, predict

Synthesis: compose, design, develop

Analysis: compare, contrast, categorize

– – – – – – Basic Skills – – – – – – –

Application: demonstrate, illustrate, solve

Comprehension: describe, explain

Knowledge: memorize, name, recognize, recall

Relevance - the student should be able to say…

1. I understand how this information or skill has some application in life.

2. I have an opportunity to construct my own understanding rather than just learn "the facts."

3. In addition to learning content and skills, I am learning how to learn .

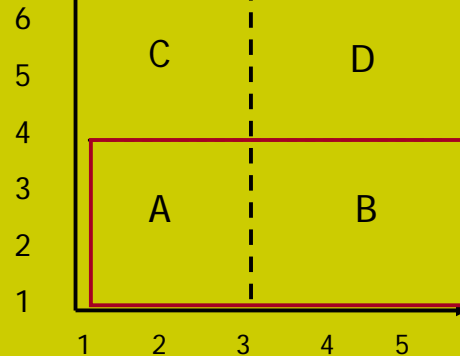Make it relevant with real-world application

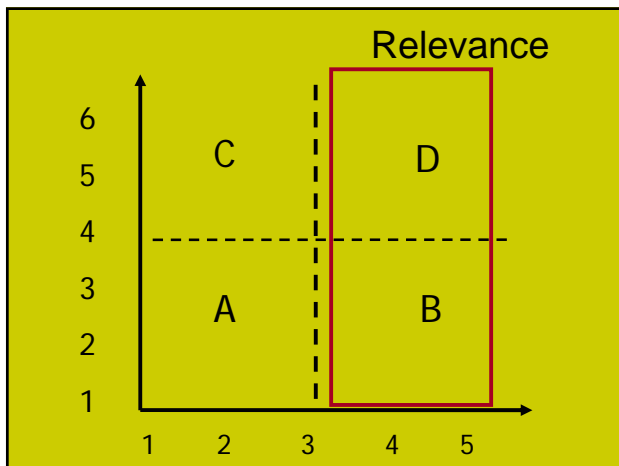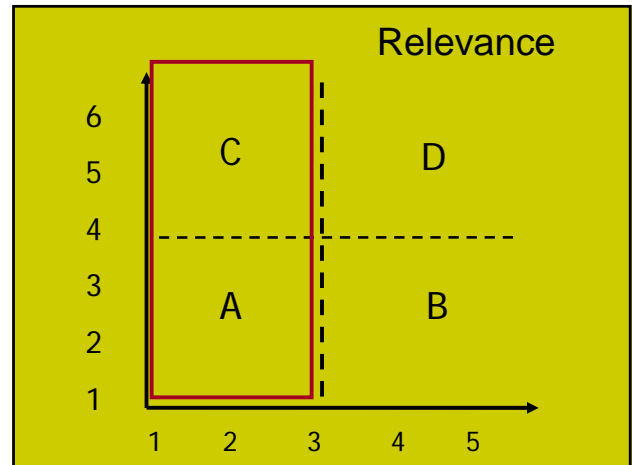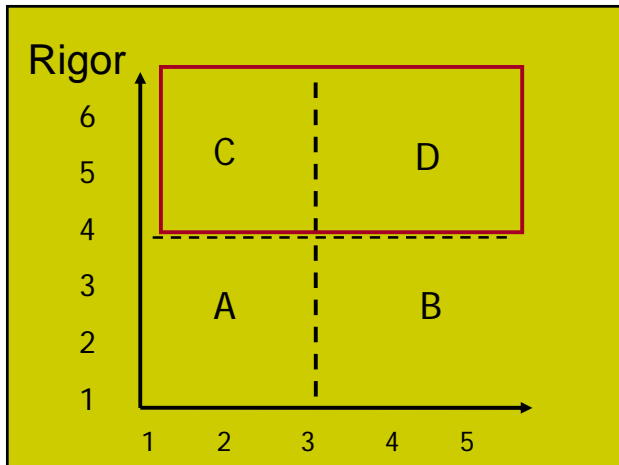Using skills and knowledge in school

Using skills and knowledge for myself in the real world

1   2   3   4   5

Rigor

6

5

4

3

2

1

C   D

A   B

1   2   3   4   5

---

by Peter Pappas ~ www.peterpappas.com

1

Slide 1

Rigor

6
5   C   D
4
3   A   B
2
1
   1   2   3   4   5

Slide 2

Relevance

6
5   C   D
4
3   A   B
2
1
   1   2   3   4   5

Slide 3

Relevance

6
5   C   D
4
3   A   B
2
1
   1   2   3   4   5

Slide 4

Learning strategies are tools.

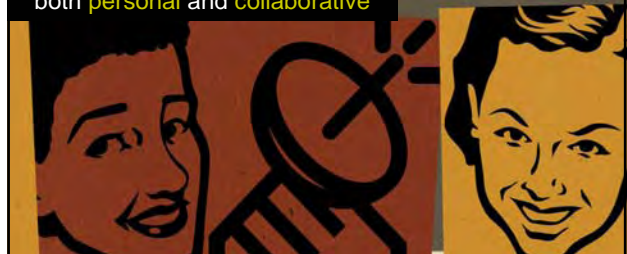Technology gives students a chance to "build" something with them.

1. **Defining**: negotiating meaning
2. **Summarizing**: synthesis and judgment
3. **Comparing**: assessing similarities and differences

Slide 5

Technology and literacy in the 21st century

Slide 6

Flow of information has changed from a top-down broadcast model - to a horizontal connection that is both personal and collaborative

Personal - You can gather information, content, and entertainment.

Collaborative: Created new **digital communities** – linking you to people who share your interests

New technologies have put students in charge of the information they access, store, analyze and share.

Yet many schools function as if they still controlled the flow of information
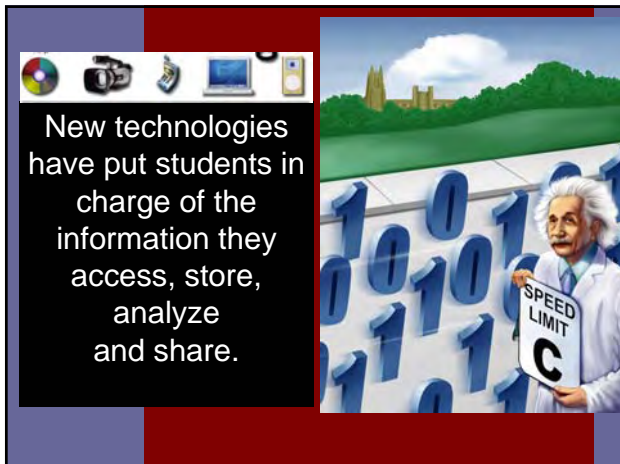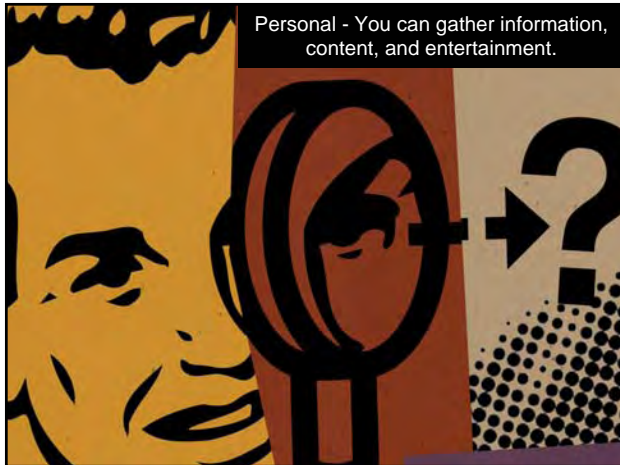
Impact of new technology on students:

1. You **can't broadcast** *at* the young.

2. They won't be a **passive audience.**

3. They expect **information control** and **functionality**.

by Peter Pappas ~ www.peterpappas.com

Copy / Paste World fosters individual and collective creativity

Contribute to Wikipedia
Online encyclopedia that anyone can edit.
Currently has 1 million entries in English
(Encyclopedia **Britannica** has 80,000)
Serves up 5 billion pages a month

WIKIPEDIA

Wired Magazine 2006

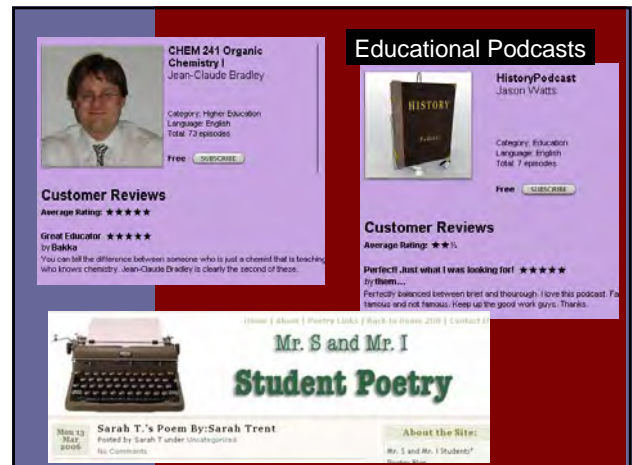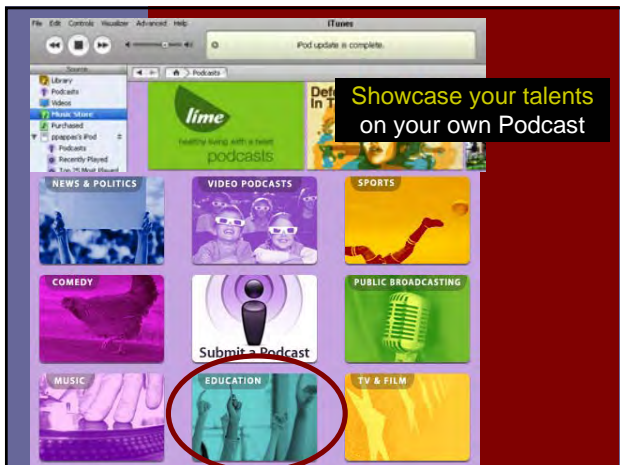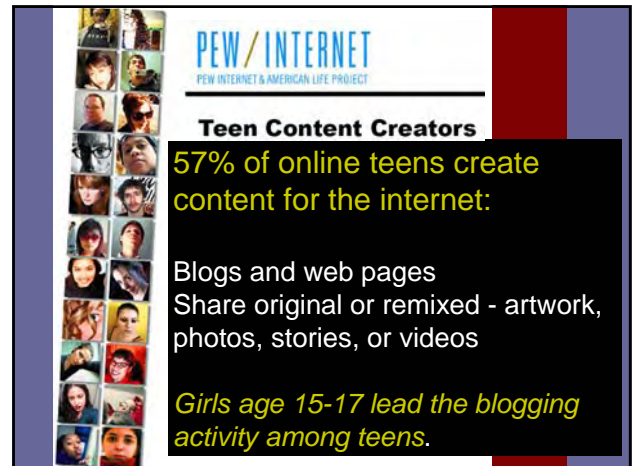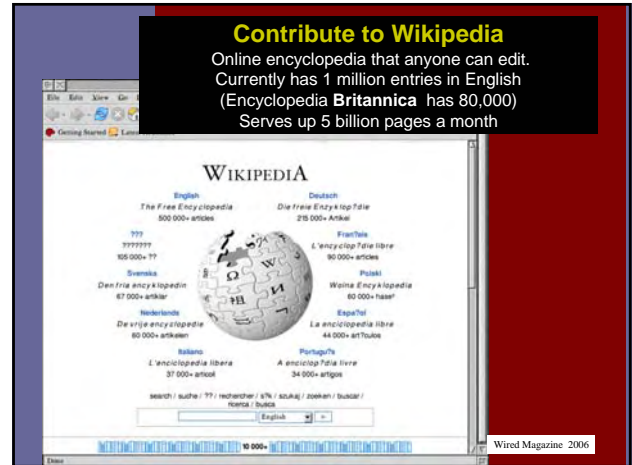**Showcase your writing skills** on your own Blog

The "new internet story tellers" in the world's biggest coffeehouse.

six apart   TYPEPAD | MOVABLE TYPE | LIVEJOURNAL | ABOUT US | SUPPORT

TypePad
Inform. Influence. Inspire.
Every small business deserves its own direction.
GET STARTED IN MINUTES
① Create your account.
② Build your blog.
Start Free Trial

12 million American adults, keep a blog.
57 million American adults, read blogs
54% of bloggers are under the age of 30.
Pew Internet & American Life Project

PEW / INTERNET
PEW INTERNET & AMERICAN LIFE PROJECT

Teen Content Creators

57% of online teens create content for the internet:

Blogs and web pages
Share original or remixed - artwork, photos, stories, or videos

Girls age 15-17 lead the blogging activity among teens.

Showcase your talents on your own Podcast

Educational Podcasts

CHEM 241 Organic Chemistry I
Jean-Claude Bradley
Category: Higher Education
Language: English
Total: 73 episodes
Free SUBSCRIBE

Customer Reviews
Average Rating: ★★★★★
Great Educator ★★★★★
by Bakka

HistoryPodcast
Jason Watts
Category: Education
Language: English
Total: 7 episodes
Free SUBSCRIBE

Customer Reviews
Average Rating: ★★½
Perfect! Just what I was looking for! ★★★★★
by them...

Mr. S and Mr. I
Student Poetry

Slide 1

Broadcast your video on YouTube

YouTube™ Broadcast Yourself

Balancing Point

Each day:
30 million videos watched

30,000 videos submitted

1. text (blog)
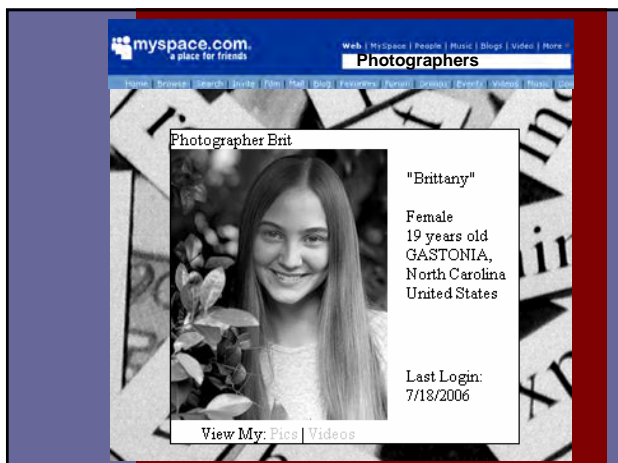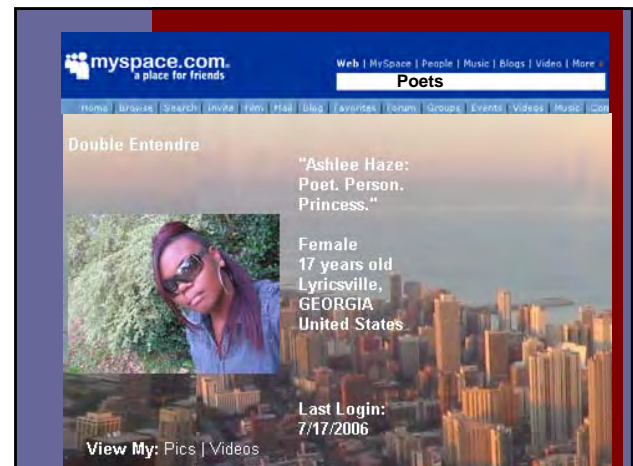2. audio (podcast)
3. Video (vblog)

02:24 / 05:58   Size:

Slide 2

MySpace demonstrates a shift in **how people seek entertainment, collaboration and communication.**

myspace.com.
a place for friends

Home | Browse | Search | Invite | Film | Mail | B

- The mass market for entertainment is yielding to a million mini-markets.
- Credibility now rises from below.
- Mass media no longer decide who is popular…. You do.

Slide 3

myspace.com.
a place for friends   Web | MySpace | People | Music | Blogs | Video | More ▸

Graphic artists

Home | Browse | Search | Invite | Film | Mail | Blog | Favorites | Forum | Groups | Events | Videos | Music | Con

Home Browse Search Invite Film Mail Blog Favorites Forum Groups Events Videos Music Comedy Classifieds

JonGray™ is at Camp Berea. ill be back friday nigh
www.JonGray.tk

Jon Gray
Graphic Artist

View My: **Pics | Videos**

Slide 4

myspace.com.
a place for friends   Web | MySpace | People | Music | Blogs | Video | More ▸

Poets

Home Browse Search Invite Film Mail Blog Favorites Forum Groups Events Videos Music Con

Double Entendre

"Ashlee Haze:
Poet. Person.
Princess."

Female
17 years old
Lyricsville,
GEORGIA
United States

Last Login:
7/17/2006

View My: Pics | Videos

Slide 5

myspace.com.
a place for friends   Web | MySpace | People | Music | Blogs | Video | More ▸

Photographers

Home Browse Search Invite Film Mail Blog Favorites Forum Groups Events

Photographer Brit

"Brittany"

Female
19 years old
GASTONIA,
North Carolina
United States

Last Login:
7/18/2006

View My: Pics | Videos

Slide 6

myspace.com.
a place for friends   Web | MySpace | People | Music | Blogs | Video | More ▸

Home Browse Search Invite Film Mail Blog Favorites Forum Groups Events Videos Music Con

- MySpace members are something different: **They're participants.**
- The site doesn't broadcast at people.
- It **gives people a forum and tools to express themselves** and create a map of their lives.

Photographer Brit

"Brittany"
Female
19 years old
GASTONIA,
North Carolina
United States

Last Login:
7/18/2006

View My: Pics | Videos

by Peter Pappas ~ www.peterpappas.com

MySpace's tools model good instructional practice.

- Accommodate diverse learning styles and interests
- Authentic audience and purpose
- Student (user) centered
- Cooperative learning
- Differentiated
- 24/7 access

6 billion page views a month made it the fifth-most-visited site in the US

thelongtail.com 2006

Fosters synthesis and evaluation

Evaluation: **appraise, defend, predict**

Synthesis: **compose, design, develop**

Analysis: compare, contrast, categorize

– – – – – – Basic Skills – – – – – – –

Application: demonstrate, illustrate, solve

Comprehension: describe, explain

Knowledge: memorize, name, recognize, recall

#1 factor for improving student motivation is choice.

Not whether the student does the assignment, but how they engage in the work.

~Doug Reeves

There is a new "copy / paste" culture that fosters a **bottom-up takeover of the information flow.**

We can be **creators** as well as consumers **of content.**

Literacy in the 21st century will mean the ability to find information, decode it, critically evaluate it, organize it into personal digital libraries and find meaningful ways to share it with others. *David Warlick*

TIME
PERSON OF THE YEAR
You.

Information is a raw material – students will need to learn to build with it

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What can schools do to promote a new literacy in the copy / paste world?

---

by Peter Pappas ~ www.peterpappas.com

1. Don't focus on "integrating technology"

- We need to look at technology as a way of getting job done.
- Stop worrying about how to "work the computer."
- Instead we should think critically about:
  - what tools are there
  - what do they do
  - how can they impact teaching and learning?

The technology is just the "paper and pen" of the future.

2. Focus on literacy in all content areas

- Don't allow ourselves to be overwhelmed by the **perceived demands of covering content and test prep.**
- We must **all use consistent instructional strategies** that give students responsibility for their own learning.

Its about the thinking …
not the technology.

3. Give students tools / forum to critically evaluate information

- Student need experience questioning the validity of what they're reading.
- Explore divergent opinions and perspectives in collaboration with their peers.

What's it mean to be an authority in the copy / paste world?

4. Bridge the digital divide with equitable access to the tools of the information age.

- Our more affluent students live in home environments rich with personal technology
- For the rest, school may be their only access.
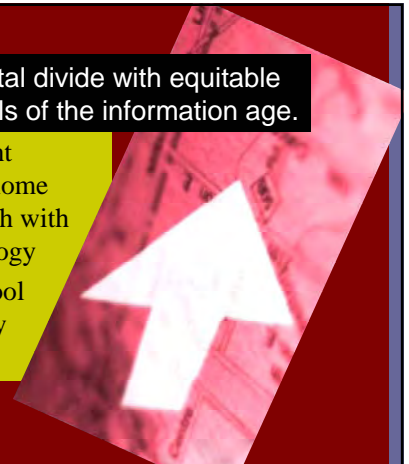
5. Provide students with rigorous, engaging and authentic tasks.

- Take advantage of tools for analyzing and sharing information
- Harness their creative talents
- Give them opportunities to work in teams
- Produce for audience and purpose
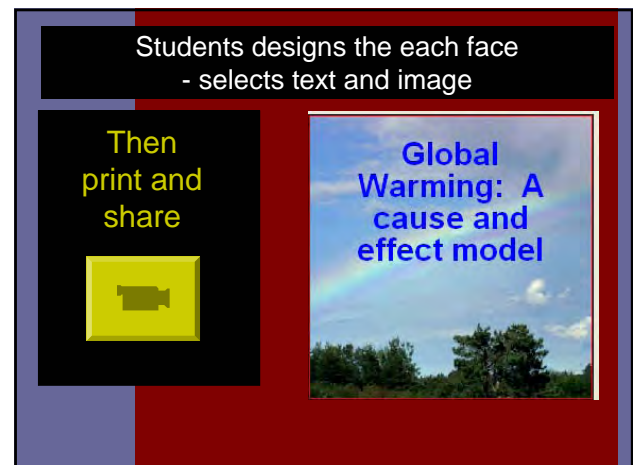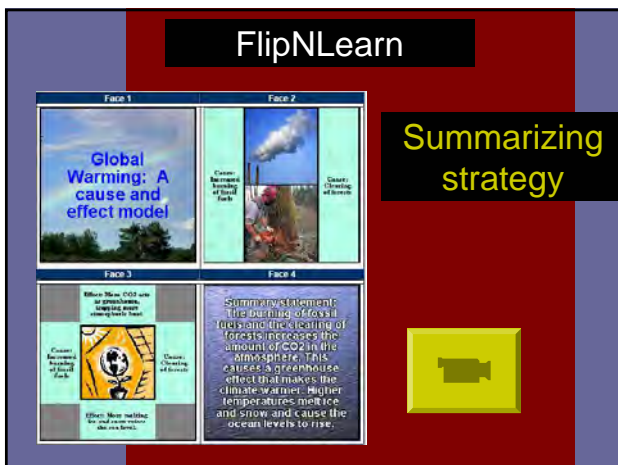
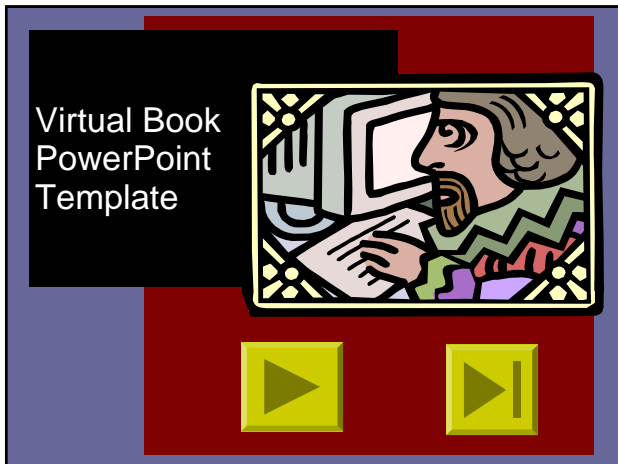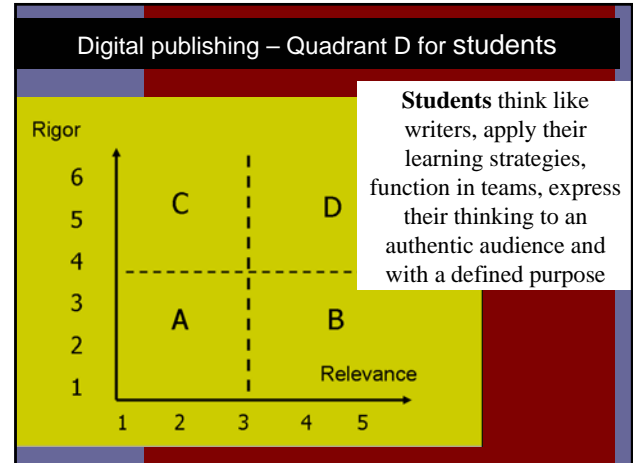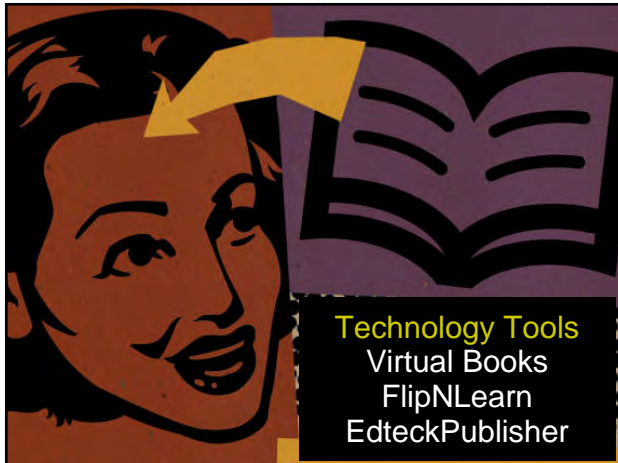What skills will the 21st century workplace require?

Literacy / numeracy

Self-discipline

Creativity

Adaptability – they must be independent learners

by Peter Pappas ~ www.peterpappas.com

Technology Tools
Virtual Books
FlipNLearn
EdteckPublisher

Digital publishing – Quadrant D for students

Students think like writers, apply their learning strategies, function in teams, express their thinking to an authentic audience and with a defined purpose

Rigor

6
5
4
3
2
1

C   D

A   B

Relevance

1 2 3 4 5

Virtual Book PowerPoint Template

FlipNLearn

Design, Print, Share & Learn!

FlipNLearn ~   www.flipnlearn.com

FlipNLearn

Summarizing strategy

Students designs the each face
- selects text and image

Then print and share

Global Warming: A cause and effect model

Students add and format text
– font, alignment, color

Student insert and crop images

- Design - Students make design decisions
- Print - Easily create and print in one class session
- Share - Make a product to share their thinking

Download free software – MAC, PC, network

www.flipnlearn.com

EdteckPublisher
The easy and affordable way to publish your own paperback books

Many new online digital publishing sites

by Peter Pappas ~ www.peterpappas.com

Digital publishing breakthrough – print on demand paperback books

Use EdteckPublisher to design books and order copies direct from digital publisher

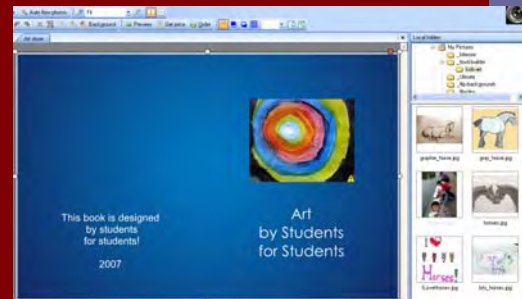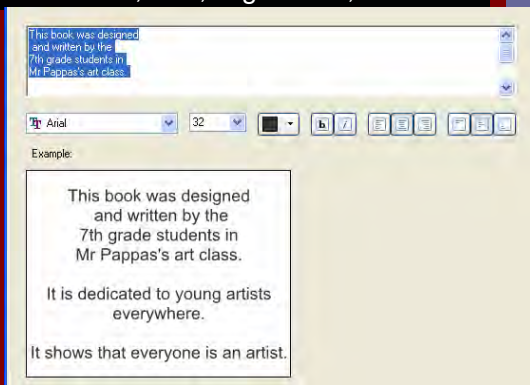Full color / high quality paper
For 20 page books:
5" x 3" $3.30
7" x 5" $4.25
9" x 7" $11.19
8" x 11" $11.19

EdteckPublisher Software automates the book design and publishing process for schools

Students type into text box – choose font, size, alignments, color

Drag images from folder to book page

Preview finished pages

Art
by Students
for Students

This book was designed
and written by the
7th grade students in
Mr Pappas's art class.

It is dedicated to young artists
everywhere.

It shows that everyone is an artist.

Remember!
Kids all over
the world
are artists.

First we began by looking at
art books with younger students.

We asked them to tell us what
they saw and what they liked.

Preview, Price and Order on line through
your account

FotoPros Editor

Your publication will cost : $ 11.19

For deliveries abroad an extra charge will be calculated. For more information see http://www.myfotopros.com

Do you want to order this publication now?

Yes   No

This book is designed
by students
for students!

Art
by Students

www.edteck.com/publish

READ Think Write Publish!

Read > Think > Write > Publish
The power of publishing enables students to think like writers, to apply their learning strategies
and to organize and express their learning.
Literacy in the 21st century will mean the ability to find information, construct meaning,
critically evaluate it, organize it and find meaningful ways to share it with others

Publishing Workshops by
Patricia Martin, Suzanne Meyer
and Peter Pappas

Go to my website for more information.
Download free EdteckPublisher software

So why aren't your
students publishing their
thinking?