

What's Missing From the Equation?

$$\begin{array}{r} \text{Kids} \\ + \text{Internet} \\ + \text{Computers} \\ \hline = \text{Learning} \end{array}$$

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Today's Agenda

- The Wild Wild Web
 - The Good, The Bad, & The Ugly
- Focusing students' use of the WWW
 - Lists, Hunts, Quests, Research
- Teacher's Role

The Good

- High student motivation
- World of information at your fingertips
- Unique information/situations
- Opportunity to teach information processing skills

The Good

- 24/7 access
- World Wide communication
- Online AP Classes and MVHS are coming
- Necessity for future education and business
- Examples

The Bad?

- | | |
|----------------------------|---|
| • Unqualified - Bias | • Blind Trust |
| • Unorganized - Hyperspace | • Disappearing Pages |
| • Advertising | • Reading Levels |
| • Loss of privacy | • Students not processing the information |
| • Filtering | |
| • Over reliance | • <u>Examples</u> |

The Ugly

- Deliberate misinformation
- Hate
- Dangerous/Weird people
- Sexually explicit content

What's the question?

- Should kids use the internet?
- How should kids use the internet?

WWW + Kids Learning

$$\begin{array}{r} \text{Kids} \\ \text{Educators} \\ \text{Quality Activities} \\ + \text{WWW} \\ \hline = \text{Learning} \end{array}$$

Quality Activities

- Traditional & new
- Process driven
- Creative
- Collaborative
- Active
- Authentic
- Dynamic S2T interactions
- Problem solving and decision-making
- Information Processing & Knowledge Producing
- Based on research

Key Questions

- How does this promote or enhance worthwhile learning?
- Will this enable students to do something that they couldn't do before? Or, do something better?
- Are the students active/engaged?
- How might the students be drawn off task?

Focused Web Use

- Hotlists
- Treasure Hunts
- WebQuests
- Research Projects

Hotlists (Curriculum Links)

- A collection of WWW links
- Strength - Focus students on particular sites
- Weakness - What's the purpose?
- Example

Treasure Hunts

- A Hotlist with questions
- Strength - Focuses students' reading & thinking
- Weakness - Often recall driven
- Example

Writing Good Questions

Basic What is ...? How did ...? How many ...? Where did ...? What did ...? What is ...? When did ...? Student Use How are ... and ... alike? How are ... the same as ...? What is the same about ... and ...? Compare ... and and ... are alike in what ways? Example to Use What kind of person was ...? What is the main idea of ...? What word best described ...?	Creative/Elaborate What does ...? What are the effects of ...? Why did ...? Why do you think ...? What would have happened if ...? How did ... affect ...? Differences What are the differences between ... and ...? How is ... different from ...? Use for Examples What are some examples of ...? What kinds of ...? Evaluation Do you agree with ...? Why? What was the most important ...? Should ...?
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WebQuests

- Problem-Solving or Project Based
- Strength - H.O.T.S. & Cooperative Learning
- Weakness - Time to create
- Example

Existing Hunts & Quests

- Treasure Hunts and WebQuests
 - <http://www.kn.pacbell.com/wired/fil/>
- WebQuests
 - <http://edweb.sdsu.edu/webquest/matrix.html>

Research Projects

- Researching & Representing "original knowledge"
- Strength - Information Processing
- Weakness - Time & Cooperation
- Example

Research Steps

- Asking Question(s)/Defining Task
- Planning
- Gathering Information
- Sorting, Sifting, Analyzing
- Representing/Reporting
- Evaluating

Teacher's Role

"True education requires interchange and discussion. We need to remain cognizant that effective education requires experts to guide students through the process of learning."

Michael F. Adams, president of the
University of Georgia

Teacher's Role

- Why should kids come to school when they can learn at home?
- Learner & Model Learner
- Guide - Direction and Guidance
- Scaffolding Instruction
- Process Instructor - H.O.T.S.
- Evaluator
- Wisdomkeeper

Teacher's Role

"The risk, among those of us who develop curriculum, is that we'll plan a set of activities rather than a framework, a philosophy, a set of beliefs."

Lucy McCormick Calkins

SAMPLE SITES

The Good

CNN

<http://cnn.com/>

CNN In Spanish

<http://cnnespanol.com>

Dr. Math

<http://forum.swarthmore.edu/dr.math/dr-math.html>

The GLOBE Program

<http://www.globe.gov/>

Library of Congress - American Memory

<http://memory.loc.gov/ammem/>

The JASON Project

<http://www.jasonproject.org/>

Solar System Simulator

<http://space.jpl.nasa.gov/>

Utah Electronic High School

<http://ehs.uen.org/>

US Census Bureau

<http://www.census.gov/>

Stone Soup Magazine

<http://www.stonesoup.com/>

Epals

<http://www.epals.com>

The Bad?

The Drudge Report

<http://www.drudgereport.com/>

RNC

<http://www.rnc.org/>

DNC

<http://www.democrats.org/>

Mankato, MN

<http://www.lme.mankato.msus.edu/mankato/mankato.html>