Catholic Library Association: K-8 Librarians and Technology Coordinators

Cyberethics, Cybersafety, and Cybersecurity (C3): Implications for the Classroom Teacher (Part 3)

University of Maryland

Educational Technology Policy, Research and Outreach
Director: Davina Pruitt-Mentle
Internet Detective

• You can locate the original papers or sources on the Internet using a variety of techniques
  – Search for the **title of paper**
  – Search for the **title using quotation marks** “ ” If the student hasn't had the foresight to change the title, you may find it listed on a term paper site.
  – Identify a **unique string of words** in the paper
Internet Detective

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Internet Detective

• Check for original reference identification clues.
  – Follow up with a web search for a personal homepage and the website(s) of the organization(s) with which the referenced author is affiliated.

• Look at original text sources listed in the bibliography.
Internet Detective

• Use a variety of search engines
  – Yahoo
  – Google
  – AskJeeves
  – DogPile
  – NorthernLight
  – Hotbot
  – Infoseek

• Search for the phrase using quotes " " and + (Boolean).
  – For example: +austen +"fair share of monsters"
    turns up only one paper
  – Utilize a plagiarism detection site
Try This: Exercise 1

Getting a Free Paper

http://www.4freeessays.com/

Search Science and Technology→Chemistry→Ammonia

Search Science and Technology→Carbon

You must pick a topic of interest related to the Civil War. You decide to write on African Americans during the Civil War.

http://www.123Essay.com/ essay_free_essays/African_Americans_During_the_Civil_War.html

Click Free essays→ American History → Several Causes of the Civil War


Click on History free essays → American → two on civil war

http://www.4freeessays.com/

Search for civil war essays

2.6.1 A Team Design Approach
Other Web Sources

- On-line newspapers, journals and magazines
- Academic web sites like NIH, ISTE, NASA, DoEd and universities post technical papers.
- Conference proceedings
- Student work (papers, essays, examines and projects) are added to personal web pages, teacher sites and/or school websites
- Try searching for: "term paper", "research assistance", "model papers", "research papers", or "technical papers" will retrieve both term paper sites and web pages with papers on them.
Paper Mills in 2005

• Term Paper Mills have been available on the Internet since 1996 (Margaret Fain and Peggy Bates, 2001)

• They are global. Many provide pirate papers from abroad.
  – The Student Essay Bank in the U.K.
  – CheatWeb in Germany
  – A recent search of Yahoo! revealed at least 37 sites in Asia that provided free or low cost papers for students.
Paper Mills in 2005

• Referred to as paper mills because these sites are in the business of providing pre-written research papers.

• Most sites contain disclaimers telling potential buyers not to submit these papers for a grade, but students can and do turn in these papers as their own.

  – All graphics, text information, designs, logos, & banners on the website are copyrighted © 2001 by 007termpapers.com. All term papers, essays, theses, dissertations, and research papers sold via 007termpapers.com are the property of the corporation and its contracted writers. Our work is designed only to assist students in the preparation of their own work and is never to be used as a substitute. Students who use our service are responsible not only for writing their own papers, but also for citing 007termpapers.com as a source when doing so. Instructions for proper citation of our company are available upon request by writing to citations@007termpapers.com
Digital Paper Mills

4freeessays

AllFreeEssays.com

School Sucks
Download Your Workload

EssaysFree.com

CHEATHOUSE.COM
What do you get?

- Free papers-click on the site and download the paper.
- Free papers but registration required-ask for personal information
- “Exchange Sites” - you must submit a paper to get a "free" paper.
- Many have a membership fee that allows unlimited access.
- Most charge per page. Bill your credit card.
- Delivery usually by email.
- For extra charge you can have them “special order”- usually 4 days
- They run sales and summer blowout specials
Try This: Exercise 2

Getting a Free Paper

http://www.freesurveys.com/
Search History-American History-Activity
Search Science and Technology-Chemistry-Anatomy
Search Science and Technology- Carbon

You must pick a topic of interest related to the Civil War. You decide to write an essay about African Americans during the Civil War.

http://www.123essay.com/ Click Browse essays -> American History- Several war and one specific to your topic.

http://www.123essay.com/ Click on History Free essays -> American -> two on civil war.

Problems?

• What are students really getting?
  – No guarantee of quality or currency.
  – Papers that are dated and not reflective of current events and trends.
  – Substandard writing and research.

• See William McHenry's "Reflections on the Internet Paper Mills" for a more detailed discussion of prices and quality. (http://georgetown.edu/honor/papermill.html)
Plagiarism Detection Sites

- Besides searching the web, there are Plagiarism detection sites available
- Evaluate each service before using them.
  - Take advantage of free trials and read the fine print.
  - When evaluating services, take a look at Andy Denhart's article from Salon, "The Web's plagiarism police" which covers some of the pitfalls of using plagiarism verification sites. (http://www.salon.com/tech/feature/1999/06/14/plagiarism/print.html)
Try This: Exercise 3

Getting a Free Paper

http://www.4freeessays.com
http://www.101essays.com
http://www.essaybank.com

You must pick a topic of interest related to the Civil War. You decide to write on

- African Americans during the Civil War

http://www.4freeessays.com/ several essay topics related to the Civil War

http://www.101essays.com/ several essay topics related to the Civil War

http://www.essaybank.com/ several essay topics related to the Civil War

Introduction

Many communities throughout the US are experiencing a large influx of Central American immigrants. According to the US Census, in 2000, 3 million Central Americans lived in the United States, representing 1.2% of the total population.

1.6.1 A Team Design Approach

2. The study took place in the context of a larger ethnographic project which began in 1998. The goal of the study was to explore the experiences of Central American immigrants who have chosen to take

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Conclusion

• Technology has enabled new forms of plagiarism
• Technology has also provided means for educators to more easily detect plagiarism
• Plagiarism is minimized by knowledge
  – Ethical issues
  – Ease of detection
Questions

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CV Activities

- MSDE 5 Year Technology Plan
- Educational Chairperson for the PG and MD Technology Council
- MD Business Roundtable
- Consortium for MD Teacher Technology Profile Instrument
- TSSA standards workgroup

- National Ed Tech Policy Monograph
  SITE/ISTE/AECT
- DoED Grant Evaluator
- Sigte
- National Security Task Force Education
- 3 year appointment
  ISTE/NCATE technology Program Review Panel
Student Expectations and Procedures:

– Students are expected to obtain and actively use a computer account with access to the Internet and WebCT discussion site (the University provides such accounts free to enrolled students.) Students are expected to use **anti-virus software and backup all work**. Since the course will sometimes meet on-line it is of importance that you assure that your computer access can easily support the WebCT environment. WebCT Student Manual - [http://www.courses.umd.edu/studentmanual/](http://www.courses.umd.edu/studentmanual/)

– If you have a documented disability and wish to discuss academic accommodations please contact me as soon as possible.

– The citation style employed should be accurate, acceptable, and recognizable (MLA, Chicago or APA) practice. The **American Psychological Association** (APA: [http://www.apa.org](http://www.apa.org)) style of citation is preferred. For quick basics, visit:


– The University of Maryland has developed a policy describing appropriate academic conduct. Turning in assignments that use substantial portions of the work of others without attribution is considered plagiarizing and is specifically prohibited. Please review information regarding the **Honor Code** and other academic integrity policies at: [http://www.jpo.umd.edu/conduct/conduct.html](http://www.jpo.umd.edu/conduct/conduct.html).
Backing Up Files - Strategies

• Large Systems (i.e. Campus) should perform backups
  – Weekly – complete
  – Daily – things that have changed

• If you save things to your local computer (or at home) you are on your own
  – Types of Personal Backups
    • System – Back up everything – hard to do since software applications are big
    • User Files
      – Back up all your working files (i.e. My Documents)
      – The tricky part is where some applications “hide” their files
        » Where is your mail saved?
        » Where is your Addressbook/Contacts?
        » Where are your Bookmarks/Favorites
        » You have set up preferences that you will lose – i.e. network drives
      – Assume you will have to reinstall OS/software
Backing Up Files - Media

- **Large Systems**
  - Tape
    - May use “jukebox”
  - RAID Arrays
    - Use multiple disks to store redundant info
      - If you lose one disk, you don’t lose your info

- **Home Use**
  - Important files can go to floppy
  - Save to Media
    - Floppy 1.4 MB
    - Thumbdrive 64/128/256/512 MB and up
    - CD – 703 MB
    - DVD – 4.7 GB
    - Tapes – Many GB
  - Can also save to other computer
Backing Up Files - Example

• Computer with DVD writer (I have an external DVD so I can hook it directly to different computers)
  – Open software application – i.e Roxio CD/DVD Creator
    • Choose files to be saved
    • Burn DVD

• Buy back up software
Patches

**Patches** are fixes to computer programs. In most cases, we are talking about operating systems, but they can apply to other software as well (usually called *updates*). Patches are generally applied to the OS to fix things that compromise the security of your system.

- **Large systems have IT department dedicated to applying patches**
  - Must be careful – patches may break software
  - Only apply if directed by IT department

- **Personal system**
  - Windows
    - Under start menu go to **Windows Update**
    - Wait and then click on **Scan Now**
    - Generally *Critical Updates and Patches* are needed and are selected automatically
    - Be careful about other patches
    - Click on **Review and Install Patches**, and then **Install**
Viruses

• Viruses are software programs that take over part of your computer
  – They can be destructive – crash your computer
  – Or “harmless” – use your computer (and Contacts list) to spam other people

• You **MUST** have Anti-virus software (you have your vaccines don’t you?)
  – Free Software from UMD
    • [McAfee VirusScan Enterprise Edition](http://www.mcafee.com)
  – [OIT Virus Notification](http://oit.umd.edu/virus)
COMAR and 508 Regulations

- **COMAR (Code of MD Regulations)**
  - *New regulation* in Code of Maryland Regulations on accessibility of technology-based instructional products (COMAR 13A.05.02.13H)
  - 13A.05.02.03 Definitions B (5) Technology-based instructional products means *instructional software, online resources, and computer-based equipment*

**Principles of Accessible Design**

- Allow for customization based on *user preference*
- Provide equivalent access to *auditory and visual content* based on user preference
- Provide compatibility with assistive technologies and complete *keyboard access*
- Provide *contextual and orientation* information
- Follow specifications, standards, and/or guidelines

Copyright/Intellectual Property and Privacy Issues in the Digital Environment

Amy Ginther, Project NEThics

College of Education Faculty
May 27, 2004
Ethical and Legal Implications of Web Development

- Importance of respecting intellectual property, protecting the incentive to create
- Organizational liability
- Familiarity with your organization’s acceptable use policy ([www.umd.edu/aug](http://www.umd.edu/aug)); other policies
OVERVIEW

TYPES OF INTELLECTUAL PROPERTY

- Patents
- Trade Dress
- Trade Secrets
- Trademarks
- Copyrights

- U.S. Constitution authorized Congress to enact copyright legislation
- Personal and institutional liability for infringement
Copyright Basics

Definition: The bundle of exclusive rights granted to the authors/creators of original works of expression that are fixed into a tangible medium.

Exclusive Rights:

Right to reproduce
Right to make derivative works
Right to distribute
Right to publicly display and perform
Right to perform sound recordings publicly by means of digital audio transmissions
What Is Copyrightable?

Original works of creative expression
Whether or not they include a copyright notice
Whether or not they are registered with US Copyright Office

What Is Not Copyrightable?

Works created by USG employees in their work
Works the author has expressly placed in the public domain without limitations
Facts, Forms, Ideas
Registration with US Copyright Office:

*Not required since 1978. Pre-requisite to filing lawsuit in federal court under the copyright act.*

Notice:

*Not required since 1978, But useful for communicating intentions;*

e.g., © 2004 Project NEThics, University of Maryland. Permission to use is granted for non-profit, educational purposes as long as you attribute its source.

See: http://www.umd.edu/PRES/legal/policies/copyright.html
When Do You Need Permission to Exercise Copyright in Another’s Work?

You must have permission from the copyright holder to exercise h/h rights of copyright in a protected work UNLESS

☞ Copyright protection has expired: see “When Works Enter the Public Domain”
   http://www.unc.edu/~unclng/public-d.htm

☞ Fair use exception applies: application of 4 factors

☞ Library use exception applies
Fair Use Factors

- **Purpose of the use**
  *Commercial vs. non-profit educational uses - the law explicitly supports use for teaching, research, and scholarship*

- **Amount of the work used**
  *Amount and substantiality of the portion used in relation to the copyrighted work as a whole*

- **Characteristics or nature of the material being used**
  *Fair use is more difficult to establish when the work is being used is fictional or at the core of intended copyright protection*

- **Effect of the use on market value of original work**
  *Must take into account not only the harm to the original but also of harm to the market for derivative works*
Interactive Fair Use Tools and Checklists

*Indiana University at Purdue:*
  http://copyright.iupui.edu/checklist.htm

*University of Texas System:*
  http://www.utsystem.edu/ogc/IntellectualProperty/copypol2.htm

*Catholic University of America:*
  http://counsel.cua.edu/copyright/resources/text.cfm

*UM University College:*
  http://nova.umuc.edu/cgi-bin/cgiwrap/primer/primerwrap.cgi/enter.php
Guidelines

• For Classroom Copying of Books and Periodicals

• For Educational Multimedia
  http://depts.washington.edu/uwcopy/information/guidelines/3.shtml
  http://www.libraries.psu.edu/mtss/fairuse/guidelines.html

• For Visual Media
  http://www.vraweb.org/professionallinks.html (Visual Resources Assn)
  http://counsel.cua.edu/Copyright/resources/digital/VRAg.cfm
  (on digital images)

• For Educational Uses of Music

• For Off-Air Recordings of Broadcast Programming for Educational Purposes
  http://www.lib.berkeley.edu/MRC/Kastenmeier.html
Permission

- **Permission Forms**
  - [http://www.umd.edu/NEThics/law/copyright/permissions.html](http://www.umd.edu/NEThics/law/copyright/permissions.html)
  - [http://www.umd.edu/PRES/legal/](http://www.umd.edu/PRES/legal/)
  - [http://www.ucop.edu/ucophome/uwnews/copyrep.html#append2](http://www.ucop.edu/ucophome/uwnews/copyrep.html#append2)
  - [http://groton.k12.ct.us/mts/permis.htm](http://groton.k12.ct.us/mts/permis.htm)

- **Information you need to supply**
  - Name and author or work (book, journal, article)
  - Precise description of what you want to use and why
  - ISBN number
  - Publication date and publisher
  - How long you want to use the work if more than one semester

- **Contacts**: [http://www.umd.edu/PRES/legal/policies/copyright.html](http://www.umd.edu/PRES/legal/policies/copyright.html)
FERPA

• Student has rights to inspect and review education records; some control over disclosure; right to amend the record

• Directory information is NOT protected (can be disclosed unless written notice is filed), it includes:
  – Name
  – Address
  – Telephone
  – E-mail
  – Major field of study
FERPA continued

More information:

1. Policy and Procedures on the Disclosure of Student Education Records
   www.inform.umd.edu/PRES/legal/policies/disclosure.htm
   l
2. FERPA tutorial: http://www.usmd.edu/FERPA/
3. UM Parent and Family Affairs on FERPA:
   www.terpparent.umd.edu/informing/policies.html

Student Honor Council:
www.studenthonorcouncil.umd.edu/ferpa.html
Other Legal and Policy Issues For Course Web Pages

- Hyperlinks
  - Surface vs. Deep Links
  - Framing
  - Seeking permission? (http://www.templetons.com/brad/linkright.html)
- Metatags
- Student Contributions to Course Web Sites
- Student Images on Web Sites
- Rights of Publicity
- Privacy statement:
  http://www.inform.umd.edu/privacy/
Privacy Notice Requirement

If you are collecting personal information, you should provide notice of the following:

• The purpose for which the personal information is collected;

• Any specific consequences for refusing to provide the information;

• Your right to inspect, amend, or correct personal records, if any;

• Whether the personal information is generally available for public inspection; and

• Whether the personal information is made available or transferred to or shared with any entity.
Contact Information

FOR GENERAL COPYRIGHT INFORMATION

*Office of Legal Affairs*

Phone: x5-4945

or

*Project NEThics*<sup>(sm)</sup>

Office of Information Technology

http://www.umd.edu/NEThics

E-mail: NEThics@umail.umd.edu

Phone: x5-8787