



Caledonia Community Schools

Eighth Grade Instructional Technology Curriculum

2000/2001

Prerequisites: All K-7th grade technology curriculum skills

Technology use at CMS is to be integrated into the core curriculum subjects.

Skills are taught and/or reinforced by all classroom teachers and the computer application courses offered as tools to support the curriculum.

Standard One : Basic Operations and Concepts:

1. Students will gain a sound understanding of the operations of technology systems and terminology.
2. Students will demonstrate proficiency in the use of technology.

___ Will continue to demonstrate proficiency in use of technology equipment.

___ Will continue to work with more than one program at a time (multitasking)

___ Will continue to use quick keys such as **⌘ +S Save** **⌘ +P = Print** **⌘ + O = Open** **⌘ + Z = Undo** **⌘ + U = Underline**
⌘ + I = Italic **⌘ + B= Bold** **⌘ + C = Copy** **⌘ + V = Paste**

Networking Skills:

___ Can log on and off the network

___ Can open a program or document on network

___ Can access, save and retrieve a document from your personal folder

Keyboarding Skills:

___ Continued training in touch typing will occur in computer application classes

___ Reinforcement of proper keyboarding will be encouraged in all areas of the curriculum using technology (Including encouraging the use of proper posture, hands curved on keyboard, not looking at hands and touch typing)

___ Will be encouraged to practice keyboarding skills in free time

___ Continue to show improvement on 30 WPM (2 minute timing in Computer application classes))

___ Will learn to use top row numbers and/or numeric keyboard

Standard Two: Social, Ethical, and Human Issues

1. Students will understand privacy,copyright, licensing and intellectual property issues and their responsibility.
2. Students will practice responsible use of hardware, software and information.

___ Be responsible for and take care of technology equipment

In Labs at end of sessions:

1. Go to Finder
2. Save work
3. Quit all programs
4. Log off network
5. Launcher should be visible
6. Keyboard returned to front position
7. Chair pushed in

___ Show proper conduct in the tech lab setting

___ Sign and follow the Caledonia District Acceptable Use Policy

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Standard Two: Social, Ethical, and Human Issues con't

- Use appropriate names when saving work
- Respect the privacy of other's work/files
- Use his/her appropriate password correctly
- Responsible use of all research tools including internet & CD Rom
- Understand and follow copyright policies
- Understand the importance of password security
- Does not plagiarize information (Put into own words)

Standard Three: Productivity Tools

1. Students will learn and use productivity tools to enhance learning, increase productivity and promote creativity.
2. These will include such tools as word processing, database, spreadsheet, multimedia programs and presentation programs.

Word Processing Skills:

- Continue to improve Word Processing skills in everyday work
- Can continue to set tabs, margins
- Can continue to insert date, time and page numbers
- Continue to use justification (left, right, center)
- Can format a title page correctly (see format page in student handbook)
- Can choose word processing as a means to demonstrate content knowledge

Drawing/Paint Program Skills:

- Continue to use and improve skills used in earlier grades
- Can insert pictures/graphics from multiple resources into other documents

Spreadsheet Skills: (Encourage correct vocabulary of cells, columns, data, etc.)

- Can create spreadsheets with cells, columns and data
- Can create graphs for projects
- Can print a spreadsheet

Database Skills:

- Create a database to collect, organize, and sort data
- Can choose and change fields and layout
- Can add and delete records
- Can save and print database as needed

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Standard Three: Productivity Tools con't

Multimedia/Presentation Skills: (Can select a multimedia tool to support a curriculum project or as a means to demonstrate content knowledge)

Hyperstudio:

___ Can Create a stack using a text field, button, cards and links as needed for curricular projects

___ Can develop a stack for a project independently

Appleworks Slide Show Skills:

___ Can prepare a slide show using text and graphics

___ Can organize, arrange, and present informational slide show

___ Can demonstrate use of gradients in backgrounds

___ Can show understanding of design and layout for a presentation

Standard Four: Tools for Communication and Research

1. Students will locate, evaluate and gather information, communicate, collaborate, publish and share projects using a variety of sources include the internet and CD Roms.

2. Students will apply strategies to access the credibility of information sources.

Internet skills: Continued reinforcement of the following

___ Can connect to the Internet and browse the web using links correctly

___ Can use a search engine for research

___ Can type in a specific web site address (URL)

___ Continue to copy or save graphics

___ Can evaluate a site for relevant information and accuracy

___ Can record document source for bibliography

___ Can use email to communicate with other schools on school related projects

___ Can create a web page using HTML tags or Claris Homepage including a background, links, and graphics

Information strategies:

___ Can select the correct electronic source/sources for pertinent information for a given project

___ Can use the Mois sytem to retrieve information on Careers (Career exploratory)

___ Can use the electronic Card catalog program to find books

___ Can continue to use CDs for data and pictures

___ Can use a technology tool to demonstrate curriculum knowledge learned

8th Grade students are required to have completed the following minimum:

1. 4 or more word processing projects/papers

2. At least one spreadsheet/graph activity

3. At least one multimedia project

4. Used the internet and a designated search engine for a research project

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Sample Eighth Grade Learning Activities Using software/CD's

Subject	Activity/Activities	Software Program
Math	Recalls Multiplication facts to 10	Number Munchers Multiples
Math	Recalls division facts to 10	Number Munchers equality Division
Math	Constructs and interprets tables	AppleWorks Spreadsheet
Math	Adds /Subtracts fractions w/like and unlike denominations	Fraction Munchers
Math	Decimal and Fraction practice	Decimal & Fraction Maze
Math	Math Problem of the Week	http://www.mbnet.mb.ca/~jfinch/math.html
Language Arts	Novel database	Appleworks database
Language Arts	Word Game of the Day	http://www.m-w.com/game/
Language Arts	Punctuation Quiz	http://www.pacificnet.net/~sperling/quiz/punctuation1.html
Language Arts	Daily Journal	Appleworks
Language Arts	Wacky Web Tales	http://www.eduplace.com/hmco/school/tales/index.html
Language Arts	Story Webbing	Appleworks drawing
Language Arts	Parts of speech review	http://www.quia.com/custom/365
Language Arts	A Day in the Life of... (Pioneer) (Rev War	Appleworks & Internet & CD
Social Studies	Geography review	http://www.nationalgeographic.co
Social Studies	Civil War Information slide show (person, battl	Appleworks
Social Studies	Civil War Trading Cards	Appleworks, internet
Social Studies	Civil War newspaper	Appleworks template
Social Studies	Westward Movement slide show	Appleworks
Social Studies	Virtual Jamestown trip	http://jeffersonvillage.virginia.edu/vcdh/jamestown/tscreators.html
Social Studies	Learning about the Holocaust Field trip	http://www.yahoo.com (search for
Social Studies	Researching careers	MOIS career software database
Social Studies	Those were the Days in History	http://www.440int.com/twtd/todav.html
Science	Human Body Research	Internet- http://library.thinkquest.org/JOO1614F/
Science	Human Body Adventure	http://www.vilenski.com/science/humanbodyv/index.html

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Sample Eighth Grade Learning Activities Using software/CD's

Subject	Activity/Activities	Software Program
Social Studies		
Social Studies		
Social Studies		
Social Studies	Biography maker	Internet - http://www.bham.wednet.edu/bio/biomaker.htm
Social Studies	Road to Liberty Information report	Internet- http://www.pbs.org/ktca/liberty/
Social Studies		
Social Studies		
Science		
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