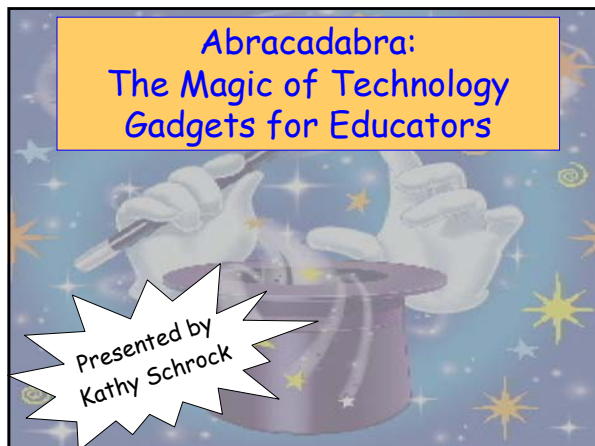



**Abracadabra:
The Magic of Technology
Gadgets for Educators**



Presented by
Kathy Schrock

**"Any sufficiently advanced
technology is indistinguishable
from magic."**

Arthur C. Clarke,
Science fiction writer






Buy it, try it...
sell it on eBay!

Overview

- ISTE NETS*Teachers
- Technology "memory lane"
- Gadgets for storing data
- Gadgets for the classroom
- Gadgets for you
- New and upcoming gadgets
- Web site:
<http://kathyschrock.net/magic/>

©2004-6, Kathy Schrock. All rights reserved.






ISTE NETS*T  National Educational
Technology Standards (NETS)

1. Technology Operations and Concepts
 - Skills to stay abreast of emerging technologies
2. Planning and Designing Learning Experiences
 - Support the diverse needs of learners
3. Teaching, Learning, and the Curriculum
 - Enhance higher-order thinking skills
4. Assessment and Evaluation
 - Collect and analyze data
5. Productivity and Professional Practice
 - Use technology to enhance personal productivity
6. Social, Ethical, and Human Issues
 - Model and teach ethical practice in technology use

©2004-6, Kathy Schrock. All rights reserved. http://cnets.iste.org/teachers/t_stands.html

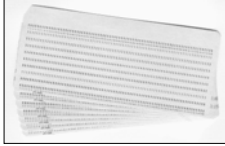
Rutgers College 1975-1979



©2004-6, Kathy Schrock. All rights reserved.

Alexander Library 1980-1981



©2004-6. Kathy Schrock. All rights reserved.

RGSLIS 1980-1981

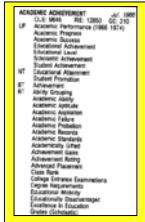
Audiovisual Materials Class



©2004-6. Kathy Schrock. All rights reserved.

RGSLIS 1980-1981

Information Retrieval Class



©2004-6. Kathy Schrock. All rights reserved.

First Home Computer - 1981



Photos from *The Obsolete Computer Museum*
<http://www.ObsoleteComputerMuseum.org/t99/>

©2004-6. Kathy Schrock. All rights reserved.

Second Home Computer - 1985



IBM Portable PC 5155 model 68
 Introduced: February 1984
 Price: US \$4225
 Weight: 30 pounds
 CPU: Intel 8088 @ 4.77MHz
 RAM: 256K, 640K max
 Display: 9-inch amber display
 CGA graphics, 80 x 25 text
 Storage: Two 360KB 5.25-inch disk drives
 Ports: 1 parallel, 1 serial, CGA video
 OS: IBM PC-DOS Version 2.10 (OS/2)



Photos from *The Obsolete Computer Museum*
<http://oldcomputers.net/ibm5155.html>

©2004-6. Kathy Schrock. All rights reserved.

Other Technologies



©2004-6. Kathy Schrock. All rights reserved.

www.oldcomputers.net
www.ObsoleteComputerMuseum.org

Other Technologies



Ashameless Barr @ blogspam.net, 2004

©2004-6, Kathy Schrock. All rights reserved.

www.oldcomputers.net
www.obsoletecomputermuseum.org

Other Technologies



©2004-6, Kathy Schrock. All rights reserved.

www.oldcomputers.net
www.obsoletecomputermuseum.org

Other Technologies



©2004-6, Kathy Schrock. All rights reserved.

www.oldcomputers.net
www.obsoletecomputermuseum.org

Other Technologies



©2004-6, Kathy Schrock. All rights reserved.

www.oldcomputers.net
www.obsoletecomputermuseum.org

Other Technologies



©2004-6, Kathy Schrock. All rights reserved.

www.oldcomputers.net
www.obsoletecomputermuseum.org

Other Technologies



©2004-6, Kathy Schrock. All rights reserved.

www.oldcomputers.net
www.obsoletecomputermuseum.org

Other Technologies



©2004-6, Kathy Schrock. All rights reserved.

www.oldcomputers.net
www.obsoletecomputermuseum.org

Other Technologies



©2004-6, Kathy Schrock. All rights reserved.

www.oldcomputers.net
www.obsoletecomputermuseum.org

Other Technologies



©2004-6, Kathy Schrock. All rights reserved.

www.oldcomputers.net
www.obsoletecomputermuseum.org

Other Technologies



©2004-6, Kathy Schrock. All rights reserved.

www.oldcomputers.net
www.obsoletecomputermuseum.org

Other Technologies



©2004-6, Kathy Schrock. All rights reserved.

www.oldcomputers.net
www.obsoletecomputermuseum.org

Other Technologies



©2004-6, Kathy Schrock. All rights reserved.

www.oldcomputers.net
www.obsoletecomputermuseum.org

Other Technologies



©2004-6. Kathy Schrock. All rights reserved.

www.oldcomputers.net
www.obsoletecomputermuseum.org

Other Technologies

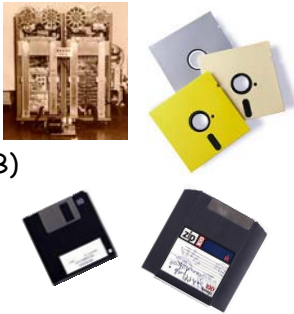


©2004-6. Kathy Schrock. All rights reserved.

www.oldcomputers.net
www.obsoletecomputermuseum.org

History of external storage

- Tape storage
- Floppy disk
 - 5.25" (640 kb)
 - 3.5" (1.44 MB)
- Zip® disk (100 MB)



©2004-6. Kathy Schrock. All rights reserved.

Flash storage

- Many different "flavors"
 - SD (secure digital)
 - CF (compact flash)
 - MS (memory stick)
 - xD (extreme digital)
 - T-flash (Transflash)
- Universal readers available



©2004-6. Kathy Schrock. All rights reserved.

Cross-over device

SanDisk Ultra II SD Plus

SD card with built-in USB connector

512 mb \$110
1 gb \$150



©2004-6. Kathy Schrock. All rights reserved.

Sample universal readers

External USB readers (\$19)

PC Card Reader (\$19)



©2004-6. Kathy Schrock. All rights reserved.

Gadgets for storing data

- Thumb/flash/keychain/pen drives
- Benefits
 - Cross-platform
 - No hardware drivers needed
 - USB connection
 - Move large amounts of data around
 - Inexpensive

©2004-6. Kathy Schrock. All rights reserved.



Sample USB flash drives

32 to 512 MB= 23 to 365 floppies



USB storage device (\$35)

SanDisk MobileMate SD+ (\$20)



©2004-6. Kathy Schrock. All rights reserved.



Edge DiskGO! watch (\$80)
128 or 256 MB= 90 or 180 floppies

Dual device: Storage/802.11b

Soyo Wireless Flash Drive
www.soyousa.com (\$110)

- 128 MB storage
- 802.11b "card"



128mb storage & wireless access

©2004-6. Kathy Schrock. All rights reserved.

Dual device: Storage/802.11b

Iogear Mouse/Flash Drive
www.iogear.com (\$50)

- USB optical mouse
- 32 MB flash storage



©2004-6. Kathy Schrock. All rights reserved.

Dual device: Storage/Pen

Attache Pen with USB
www.pny.com (\$70+)

- 128-512 MB of storage
- Pen that writes!



©2004-6. Kathy Schrock. All rights reserved.

"Stylin" Storage



64 MB storage
Iomega MicroMini USB2 Drive
www.iomega.com (\$50)



128/256/512 MB storage
Iomega Mini USB2 Drive
www.iomega.com (\$70+)

©2004-6. Kathy Schrock. All rights reserved.

"Stylin" Storage

Imation Flash Wristband
www.imation.com

- Wristband
- Flexible rubber
- Available at Target
- 256mb
- \$39.99



©2004-6. Kathy Schrock. All rights reserved.

USB Data Transfer

FlashPoint Share Drive
www.flashpointdrive.com

- Can act as a regular flash drive
- Has its own battery
- Can move data from one share folder on one drive to another
- No computer needed



• 512MB-2GB \$95-\$245

©2004-6. Kathy Schrock. All rights reserved.

USB Data Transfer

Memsen Click N' Share
www.memsen.com

- USB flash drives that can wirelessly share information
- Will be out soon
- \$100 for 2



©2004-6. Kathy Schrock. All rights reserved.

More USB Storage



256 MB storage device
USB Devil Ducky Drive
www.thinkgeek.com (\$100)

©2004-6. Kathy Schrock. All rights reserved.

More USB storage

- iDuck
 - USB memory storage
 - 16 MB - 512 MB models
 - \$49 - \$329
 - Lights up
 - www.dynamism.com



©2004-6. Kathy Schrock. All rights reserved.

More USB storage

- SwissMemory USB
 - 128 - 512mb MB storage
 - Flashlight and pen
 - Knife and scissors
 - \$99-160
 - www.victorinox.ch



©2004-6. Kathy Schrock. All rights reserved.

More USB storage

- Plush Mouse Flash Drive
 - 128 MB storage
 - Cuddly
 - \$40
 - <http://www.cyberguys.com/>



©2004-6. Kathy Schrock. All rights reserved.

More USB storage

- In the Pink
 - 128 MB storage
 - Looks like a lipstick case
 - \$20
 - <http://www.shinyshiny.tv/>



©2004-6. Kathy Schrock. All rights reserved.

More USB Storage



- Sushi Flash Drive
 - 32-128 MB
 - \$60-100



- www.dynamism.com

©2004-6. Kathy Schrock. All rights reserved.

S.O.A.P. on a Rope

Creative Nomad MuVo TFXM

- 256mb MP3 player
- FM Radio and voice recorder
- OpenOffice
- Thunderbird and Firefox
- \$73 (applications are free!)
- <http://kathyschrock.net/soap/>



©2004-6. Kathy Schrock. All rights reserved.

U3

GeekSquad® USB 2.0 Flash drive

- 512mb or 1gb
- Available from Best Buy
- Easy interface
- Includes applications
- Windows only
- \$60/100
- bestbuy.com



©2004-6. Kathy Schrock. All rights reserved.

External storage drives

- USB 2.0 or FireWire connections
- Dedicated or multi-function devices
- Great for back-up and data storage
- LOTS of storage capability!



©2004-6. Kathy Schrock. All rights reserved.

External storage drives

30/60gb=
21,940/43,880 floppies

Apple iPod
(\$299/399)



250gb= 183,000 floppies



Maxtor External 250gb
USB/Firewire
Hard Drive (\$370)



2/4gb=
1462/2924 floppies

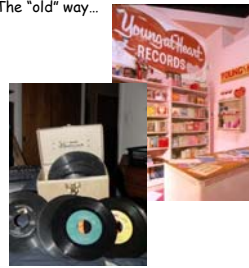
Apple iPod Nano (\$199+)



©2004-6. Kathy Schrock. All rights reserved.

Buying and storing music

The "old" way...



The "new" way...



Online music downloads for 99 cents

©2004-6. Kathy Schrock. All rights reserved.

Playing Music

- **iRock** (www.myirock.com)
- Plugs into headphone jack
- Plays over one of four FM frequencies
- Can use in the car or at home, with a handheld, CD player, or cassette player
- \$79



©2004-6. Kathy Schrock. All rights reserved.

Playing Music

- **Sony Personal Travel Speakers**
- Plugs into headphone jack
- Fold up for easy carrying
- Uses 4 AA batteries
- \$50



©2004-6. Kathy Schrock. All rights reserved.

Playing Music

- **Mini Speakers**
- USB-powered
- \$15
- www.cyberuys.com



©2004-6. Kathy Schrock. All rights reserved.

Playing Music

- **Inflatable Speakers**
- Small pump included
- \$25
- www.geeks.com



©2004-6. Kathy Schrock. All rights reserved.

Playing Music

- **Soundbug**
- Plugs into headphone jack
- Attaches to hard surface
- Uses 3 AA batteries
- \$28
- www.soundbug.biz



©2004-6, Kathy Schrock. All rights reserved.

Playing Music

- **MP3 on Channel**
- Plugs into cigarette lighter
- Accepts a USB thumb-drive
- Plays over car radio
- \$70
- www.cyberguys.com



©2004-6, Kathy Schrock. All rights reserved.

Archiving Music

PlusDeck 2c

- Fits in a computer bay
- Records your songs in MP3 format
- Records from PC to tape
- \$140
- www.thinkgeek.com



©2004-6, Kathy Schrock. All rights reserved.

The "old" meets the "new"

Verbatim

Digital Vinyl CD-Rs
10 pack \$9.00



©2004-6, Kathy Schrock. All rights reserved.

The "old" meets the "new"

Verbatim

Digital Movie DVD-R's
4 pack \$9.99



©2004-6, Kathy Schrock. All rights reserved.

Personal digital assistants



©2004-6, Kathy Schrock. All rights reserved.

Personal digital assistants 2



Sharp organizer



Apple Newton
≈\$1000

©2004-6. Kathy Schrock. All rights reserved.

Handheld Computers

- \$150-299 price range
- Removable storage
- Great color screens
- Plenty of internal memory
- Hundreds of educational programs



©2004-6. Kathy Schrock. All rights reserved.

Choices

Palm OS



Palm
E2
(\$199)

Palm
T1X
(\$299)

Windows Mobile OS



HP iPAQ
rx3115
(\$299)

Dell
Axim x51
(\$239+)

©2004-6. Kathy Schrock. All rights reserved.

Educational Applications

Handheld Dictionary



Moon Phase



Cells



E-mail



©2004-6. Kathy Schrock. All rights reserved.

Accessories



External keyboards (\$79)

iPAQ NAVMAN
(\$300)



SanDisk SD/CF 802.11b card
(\$130)



Veo SD/CF camera (\$99)



©2004-6. Kathy Schrock. All rights reserved.

Accessories



©2004-6. Kathy Schrock. All rights reserved.

More advanced choices



Audiovox XV6700 \$499 palmOne Treo 650 \$400 Garmin iQue 3600 \$460 Palm LifeDrive \$499

©2004-6. Kathy Schrock. All rights reserved.

More advanced choices

- Nokia 770
- Wireless
- Bluetooth
- Flash memory
- USB connect
- Video formats
- Browser
- \$359



©2004-6. Kathy Schrock. All rights reserved.

More advanced choices

Fossil Wrist PDA FX2008

- 8MB (RAM), 4MB
- Palm OS 4.1
- 160 x 160 pixels
- 16 level grayscale
- Touch Screen
- Stylus in wristband



\$249

©2004-6. Kathy Schrock. All rights reserved.

Presentation accessories

Margi Presenter-to-Go (\$199)



iGo Pitch Duo (\$279)



©2004-6. Kathy Schrock. All rights reserved.

Presentation hardware

Mitsubishi PocketProjector

- 800x600
- Uses an LED bulb
- Ten year bulb life
- 20" throw from 12"
- 40" throw from 36"
- Available early 06
- \$699



©2004-6. Kathy Schrock. All rights reserved.

3-D Presentation options

- Opaque projector

OPUS Opaque Projector by Buhl (\$1400)



Visual Presenter by Elmo (\$1500)

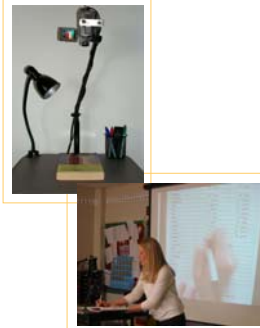


©2004-6. Kathy Schrock. All rights reserved.

3-D Presentation options

Lightsmith Video Platform

- Camcorder mounted on a flexible arm
- Can capture to tape
- Attach via Firewire
- \$199.99
- lightsmithimager.com



©2004-6. Kathy Schrock. All rights reserved.

Scanning Option

Vertical Scanner (\$200)
www.hp.com (HP 4670)

- 2400 dpi
- Can view items as you scan
- Can use it flat, too
- Can scan big things and stitch them together



©2004-6. Kathy Schrock. All rights reserved.

ZipLinq cables



©2004-6. Kathy Schrock. All rights reserved.

Writing Technology



©2004-6. Kathy Schrock. All rights reserved.

The Tablet PC

- Input via separate EMR pen
- Keep items handwritten
- Search handwritten documents
- Turn handwriting into typed text



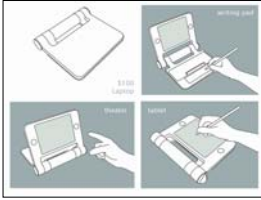
©2004-6. Kathy Schrock. All rights reserved.

Various Tablet PC's



©2004-6. Kathy Schrock. All rights reserved.

\$100 Laptop



- Linux-based
- Traditional and wind-up power
- WiFi and many USB ports
- 500 mHz, 1 GB hard drive
- DVD player-like screen

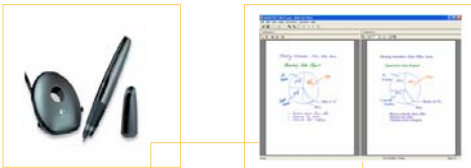


One Laptop per Child
<http://laptop.media.mit.edu/>

©2004-6. Kathy Schrock. All rights reserved.



Cheaper Handwriting Device



Logitech io² Pen
www.logitech.com
 \$199



©2004-6. Kathy Schrock. All rights reserved.

Painting and Drawing



©2004-6. Kathy Schrock. All rights reserved.

Drawing Tablet

- Wacom Graphire (\$99)
 - Wireless pen
 - Wireless mouse
 - USB
 - Painting/drawing software



©2004-6. Kathy Schrock. All rights reserved.

Office Devices



©2004-6. Kathy Schrock. All rights reserved.

Multifunction devices

HP PSC 2610 (\$280)

- Print
- Scan
- Copy
- Fax
- Networkable
- Flash memory slots



©2004-6, Kathy Schrock. All rights reserved.

Multifunction devices

Cigarette Lighter and Cup Holder

- \$9.95
- Fits in drive bay
- www.geeks.com



©2004-6, Kathy Schrock. All rights reserved.

Printing Pictures

- Dye-sublimation printers
- Four-pass color process
- Ribbon and paper
- 4"x6" and 8"x10"
- Olympus P-10/440



©2004-6, Kathy Schrock. All rights reserved.

Printing Pictures

- Epson Stylus Photo R800
- 100-year ink life
- 8 cartridges (\$15@)
- \$399
- www.epson.com



©2004-6, Kathy Schrock. All rights reserved.

New laptop form factor

- OQO model 01+
 - 4.9 x 3.4 x .9 inches
 - 802.11b wireless
 - Bluetooth
 - 30 GB hard drive
 - 5" screen
 - 14 ounces
 - 1 GHz processor
 - \$1899
 - <http://www.oqo.com/>



©2004-6, Kathy Schrock. All rights reserved.

New desktop form factor

- Personal Internet Communicator
 - 5.5 x 8.5 x 2.5 inches
 - 4 USB ports
 - VGA (1600x1200)
 - 10 GB hard drive
 - Headphone and mic jacks
 - Windows-powered
 - Includes software, keyboard, and mouse
 - \$299
 - <http://www.amd.com/>



©2004-6, Kathy Schrock. All rights reserved.

New breed of Web cam



Logitech Orbit (\$129)
<http://logitech.com/>



©2004-6. Kathy Schrock. All rights reserved.

Transporting Technology



Scott eVest (\$200)
<http://scottvest.com>



©2004-6. Kathy Schrock. All rights reserved.

Transporting Technology



- Holds your PDA, and all these Accessories!**
- ✓ Folding Keyboard
 - ✓ PDA Camera
 - ✓ Cell Phone
 - ✓ Stylus
 - ✓ Adapter
 - ✓ Mouse
 - ✓ Magnetics™
 - ✓ PDA Headset
 - ✓ Spare Batteries
 - ✓ Credit Cards
 - ✓ Keys & Change
- Accessories not included

Road Warrior PDA Pack
<http://officeonthegogo.com/> \$39

©2004-6. Kathy Schrock. All rights reserved.

Transporting Technology



- ✓ Adapter tips
- ✓ Airline Adapter
- ✓ Automobile Adapter
- ✓ Business card holder
- ✓ Convenient Carrying Case
- ✓ Durable stitched seams
- ✓ Durable construction
- ✓ Mesh pocket
- ✓ Kickout fittings
- ✓ Non-slip shoulder pad
- ✓ Removable - spill-proof pouch
- ✓ Single Power Source
- ✓ Six-sided foam protection
- ✓ Specialty designed pockets
- ✓ Universal Notebook Power Adapter
- ✓ USB charging ports
- ✓ World-wide compatibility



APC Travel Power Cases
<http://apc.com/>
 \$99-129

©2004-6. Kathy Schrock. All rights reserved.

Transporting Technology



Apple/Burton Amp Pack (\$199) <http://apple.com/>

©2004-6. Kathy Schrock. All rights reserved.

Transporting Technology



Vera Bradley Villager (\$60)
<http://verabradley.com/>

©2004-6. Kathy Schrock. All rights reserved.

Cool Technology Ideas



The Power Strip Liberator (\$1.79)
<http://cyberguys.com/>

©2004-6. Kathy Schrock. All rights reserved.

Cool Technology Ideas

- Firewire Dino
 - www.charismac.com/Products/firedino/
 - Adds 4 Firewire ports (IEEE 1394)
 - \$70

Disclaimers:
 Charismac claims no responsibility for broken personal or business related property should Firewire Dino go on a rampage. As always, a clean and fed Firewire Dino results in a happy Firewire Dino. Please keep small children away from Firewire Dino, just in case.



©2004-6. Kathy Schrock. All rights reserved.

Cool Technology Ideas

- WiFi Finder
 - <http://www.kensington.com/html/3720.html>
 - Kensington
 - Helps you locate hot spots
 - \$29.95



©2004-6. Kathy Schrock. All rights reserved.

Cool Technology Ideas



USB Cooling Fan \$9.49



USB Mouse w/fan \$24.95

www.cyberguys.com



USB Cup Warmer \$16.95

©2004-6. Kathy Schrock. All rights reserved.

Cool Technology Ideas



LED Binary Watch \$70



USB Air Purifier \$29.95

www.thinkgeek.com

©2004-6. Kathy Schrock. All rights reserved.



USB Ashtray \$34.95

Cool Technology Ideas



USB Light-up
 Holiday Tree \$12.95



Drumming USB Santa \$14.95

www.x-tremegeek.com

©2004-6. Kathy Schrock. All rights reserved.

Cool Technology Ideas



USB Aquarium \$9.95



Light-up USB Snowman
\$14.95

www.x-tremegeek.com

©2004-6. Kathy Schrock. All rights reserved.

Cool Technology Ideas

- USB Lava Lamp
- \$10
- Comes in 3 colors
- Thinkgeek.com and Kohl's



©2004-6. Kathy Schrock. All rights reserved.

Cool Technology Ideas



- e-Puppy
 - Reads text aloud
 - Includes a microphone
 - Includes a speaker
 - LED light for alerts
 - www.software-blowouts.com/epeusbeco.html
 - \$24.95

©2004-6. Kathy Schrock. All rights reserved.

Cool Technology Ideas

Cellular Jewelry

- Flash when cell phone rings
- Works up to 3' from phone
- \$20
- cellularjewelry.com



©2004-6. Kathy Schrock. All rights reserved.

Thanko Products

- Pen/SD card reader
- \$99



©2004-6. Kathy Schrock. All rights reserved.

www.audiocubes.com

Thanko Products

- USB Fan with 4-port USBHub
- \$45



©2004-6. Kathy Schrock. All rights reserved.

www.audiocubes.com

Thanko Products

- USB Aqua Hub
- \$39



©2004-6, Kathy Schrock. All rights reserved.

www.audiocubes.com

Thanko Products

- USB FlowerPot Speaker
- \$59



©2004-6, Kathy Schrock. All rights reserved.

www.audiocubes.com

Thanko Products

- USB Nail Care Set
- \$59



©2004-6, Kathy Schrock. All rights reserved.

www.audiocubes.com

Homemade USB Devices

USB Barbie®



©2004-6, Kathy Schrock. All rights reserved.

Homemade USB Devices

USB Cufflinks



©2004-6, Kathy Schrock. All rights reserved.

Homemade USB Devices

USB Pez® Dispenser



©2004-6, Kathy Schrock. All rights reserved.

Computer Gifts

www.computergear.com



\$24.99 for 4



\$24.99



\$19.99 for 8



\$34.99

©2004-6. Kathy Schrock. All rights reserved.

Technology Time-Savers

www.thinkgeek.com



\$14.99



\$69.99

©2004-6. Kathy Schrock. All rights reserved.

After-School Time Savers



Honeywell Kitchen
Computer (1965)
www.old-computers.com



SCREENFRIDGE

www.electrolux.com

©2004-6. Kathy Schrock. All rights reserved.

Cookin' With Google

September 13, 2003

Cookin' With Google

Andy Hertzberg came up with the idea of searching Google to figure out what you're going to have for dinner and I turned it into a Google Hack, one of the most popular ones out there. Doesn't require an API key.

Custom Web Google

Give me a couple of ingredients:

Please tell me what kind of recipe you want:

Give me a couple of ingredients:

Please tell me what kind of recipe you want:



<http://www.researchbuzz.org/archives/001404.shtml>

©2004-6. Kathy Schrock. All rights reserved.

Total cost of everything

- One tablet PC, one handheld, one iPod, one photo printer, and one hybrid phone
- Most of the other accessories
- \$5700.00



©2004-6. Kathy Schrock. All rights reserved.

In 1987...

- \$5700 in 2006 dollars was worth about \$3000 in 1982
- You could buy...

IBM 5150
64k of RAM
Single-sided 160K 5.25"
floppy drive
No hard drive



©2004-6. Kathy Schrock. All rights reserved.

Assessment Time!

©2004-6. Kathy Schrock. All rights reserved.

ISTE NETS*T National Educational Technology Standards (NETS)

1. Technology Operations and Concepts
 - Skills to stay abreast of emerging technologies
2. Planning and Designing Learning Experiences
 - Support the diverse needs of learners
3. Teaching, Learning, and the Curriculum
 - Enhance higher-order thinking skills
4. Assessment and Evaluation
 - Collect and analyze data
5. Productivity and Professional Practice
 - Use technology to enhance personal productivity
6. Social, Ethical, and Human Issues
 - Model and teach ethical practice in technology use

©2004-6. Kathy Schrock. All rights reserved.

(http://cnets.iste.org/teachers/t_stands.html)

Technology Operations and Concepts



©2004-6. Kathy Schrock. All rights reserved.

Planning and Designing Learning Experiences



©2004-6. Kathy Schrock. All rights reserved.

Teaching, Learning, and the Curriculum



©2004-6. Kathy Schrock. All rights reserved.

Assessment and Evaluation



©2004-6. Kathy Schrock. All rights reserved.

Productivity and Personal Practice



©2004-6, Kathy Schrock. All rights reserved.

Social, Ethical, and Human Issues



©2004-6, Kathy Schrock. All rights reserved.

The End

- Support Web site
<http://kathyschrock.net/magic/>



©2004-6, Kathy Schrock. All rights reserved.