Educational Technology

(And More)

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IDEA, IT, AT, & ET

Reading Tools

Writing Tools

Math Tools

Organizational Tools

IT and ET

Instructional Technology (IT)

the processes and systems
of learning and instruction

Educational Technology (ET)

software, hardware, as well as
Internet applications and activities

IDEA 2004

Individuals with Disabilities Education Act (IDEA)

Students must be provided a Free Appropriate Public Education (FAPE) that prepares them for further education, employment and independent living.

1. designed to meet the unique needs of that one student
2. access to the general curriculum to meet the challenging expectations established for all children
3. provided in accordance with the Individualized Education Plan (IEP)
4. results in educational benefit to the child

AT

Assistive Technology (AT)

Assistive Technology Device
Any item, piece of equipment, or product system, whether acquired commercially off the shelf, modified, or customize, that is used to increase, maintain, or improve functional capabilities of a child with a disability.

Assistive Technology Service
Any service that directly assists a child with a disability in the selection, acquisition, or use of an assistive technology device.

School districts are required under law to provide appropriate AT to students with disabilities when it supports their acquisition of a free and appropriate public education (FAPE). In order to support the inclusion and participation of students with disabilities in regular education classrooms, all IEP's developed for children identified as needing special education services, must indicate that AT has been considered to "to provide meaningful access to the general curriculum" (IDEA, 1997)

RTI

Response to Intervention (RTI)

a method of academic intervention used in the United States designed to provide early, effective assistance to children who are having difficulty learning.
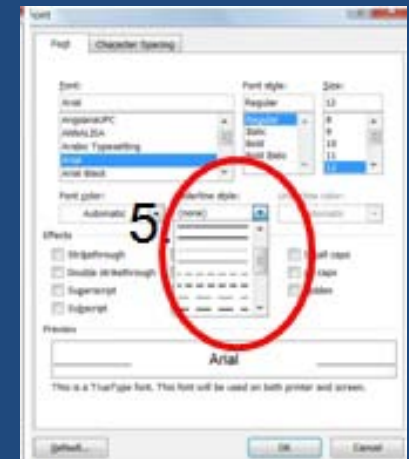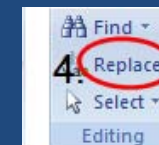
Reading Tools

Microsoft Word 2007

1. Change the background color.
2. Change the **font** color.
3. Use the **highlighter**.

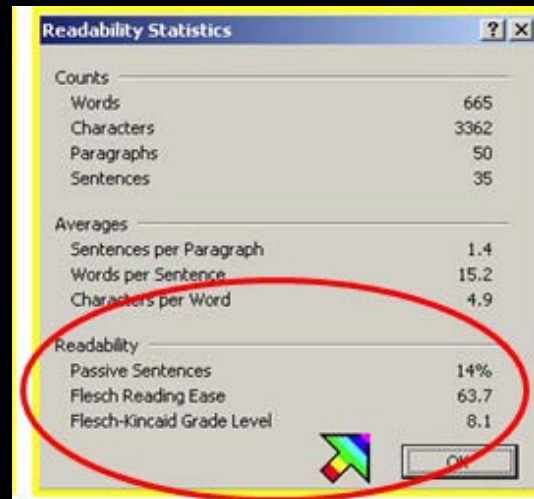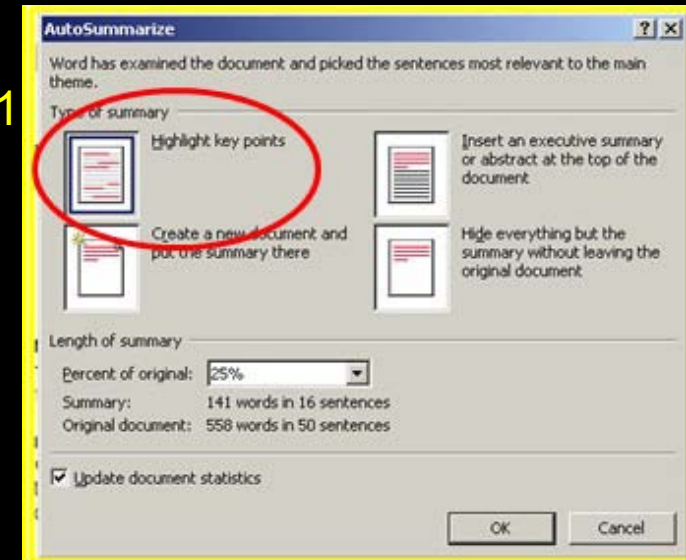4. Use word spacing.
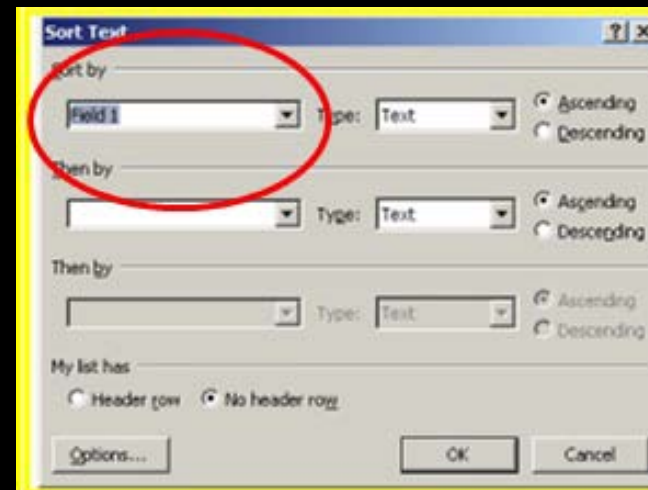5. Change underlining style.

Pdf file

Reading Tools

Microsoft Word 2007

1. Auto summarize by highlighting key points.
2. Check the "Readability Statistics".
3. Sort/alphabetize a list.

1

AutoSummarize

Word has examined the document and picked the sentences most relevant to the main theme.

Type of summary

Highlight key points

Insert an executive summary or abstract at the top of the document

Create a new document and put the summary there

Hide everything but the summary without leaving the original document

Length of summary

Percent of original: 25%

Summary: 141 words in 16 sentences
Original document: 558 words in 50 sentences

☑ Update document statistics

OK   Cancel

2.

Readability Statistics

Counts
Words   665
Characters   3362
Paragraphs   50
Sentences   35

Averages
Sentences per Paragraph   1.4
Words per Sentence   15.2
Characters per Word   4.9

Readability
Passive Sentences   14%
Flesch Reading Ease   63.7
Flesch-Kincaid Grade Level 8.1

OK

3.

Sort Text

Sort by
Field 1   Type: Text   ○ Ascending
                             ○ Descending

Then by
             Type: Text   ○ Ascending
                             ○ Descending

Then by
             Type: Text   ○ Ascending
                             ○ Descending

My list has
○ Header row   ● No header row

Options...   OK   Cancel

Reading Tools

Reading Curriculums for
Struggling Students

•Reading 180 by Scholastic
(http://teacher.scholastic.com/products/read180/)

•Edmark by Houghton Mifflin Harcourt
(http://hmlt.hmco.com/Edmark.php)

•Reading Recovery
(http://www.readingrecovery.org/)

•Success for All
(http://www.successforall.org)

Reading Tools

Reading 180 by Scholastic

Reading Tools

Reading Software for
Learning Skills

•WordMaker
(http://www.donjohnston.com/products/word_maker/)

•Simon SIO
(http://www.donjohnston.com/products/simon_sio/index.html)

•Earobics
(http://http://www.earobics.com/)

•Success for All
(http://www.successforall.org)

Reading Tools

Reading Software for
Making Materials

- Cloze Pro
http://www.cricksoft.com/us/products/clozepro/default.aspx

- Microsoft Word and PowerPoint
(http://www.microsoft.com)

- Clicker 5
(http://www.cricksoft.com/UK/products/clicker/)

- My Own Bookshelf
(http://www.softtouch.com/myownbookshelf.aspx)
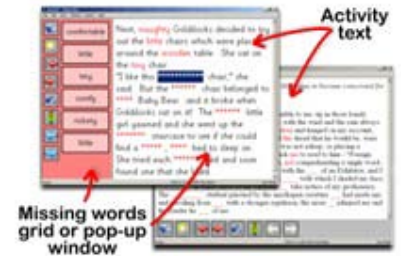
Reading Tools

Reading Programs Online

•Reading A-Z
(http://www.readinga-z.com)

•Starfall
(http://www.starfall.com)

•Quia
(http://www.quia.com/)

Earobics Game Goo
http://www.earobics.com/gamegoo/gooey.html

Reading Tools

Free Text-to-Speech Software

- ReadPlease (http://www.readplease.com)

- Natural Readers (http://www.naturalreaders.com)

- Sayzme (http://datafurnace.net.au/sayzme)

- BrowseAloud (http://www.browsealoud.com)

Reading Tools

Costly Text-to-Speech Software

•Kurzweil (http://www.kurzweiledu.com/)

•textHELP (http://www.texthelp.com/)

Reading Tools

Costly Text-to-Speech Software

But…what's the real cost?

MP3 Players
$10.00 - $200.00

Writing Tools

Microsoft Word 2007

Custom ruled paper

Auto correct

Auto text

Hierarchical outlines
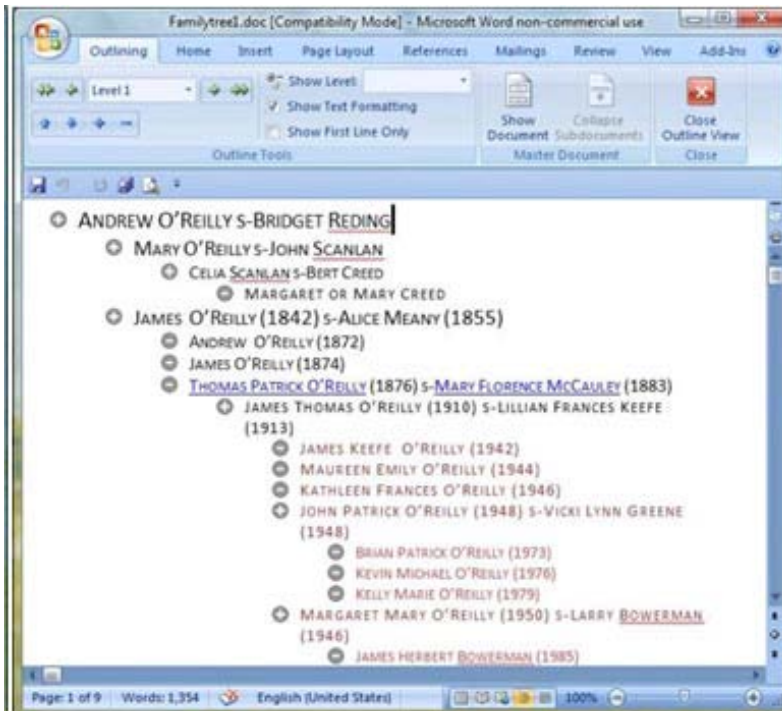
Templates
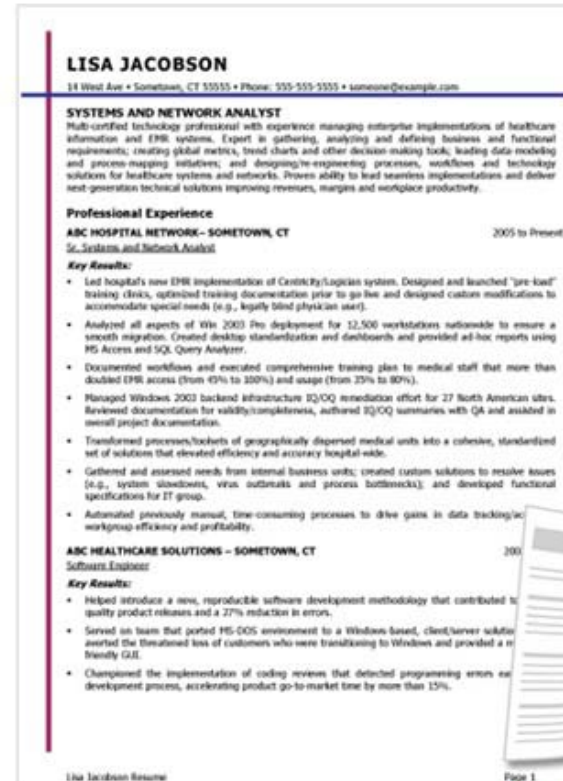
Writing Tools

Writing Programs for
Struggling Students

•Writing Coach – High School
(http://www.donjohnston.com)

•Editor in Chief - Beginning
(http://www.criticalthinking.com)

•Grammar Fitness
(http://www.meritsoftware.com)

Paragraph and Essay Punch
http://www.meritsoftware.com)

Writing Tools

Writing Software for
Making Materials

- PixWriter
(http://www.slatersoftware.com)

- Find Out and Write About
(http://www.cricksoft.com)

- Pixie 2
(http://www.tech4learning.com/)

- Microsoft Word & PowerPoint (forms & word banks)
(http://www.microsoft.com
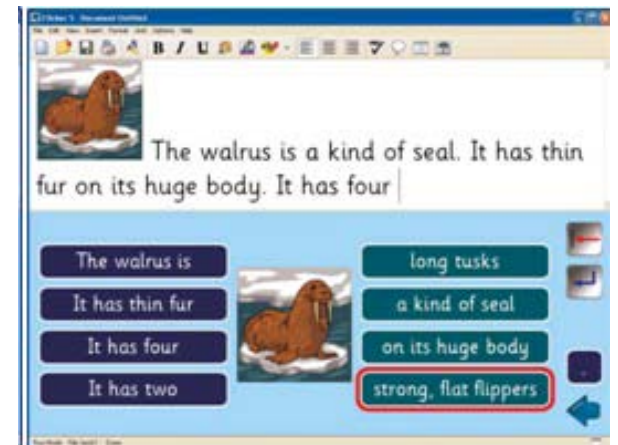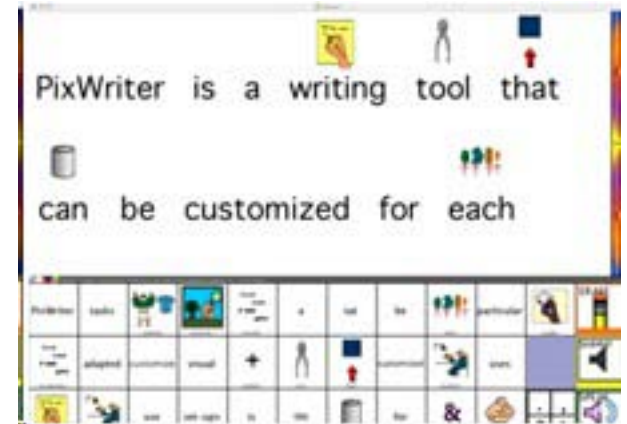
Writing Tools

Writing Software for Learning Skills

- No-Glamour Grammar (http://www.linguisystems.com)

- Punctuation Puzzler (http://www.criticalthinking.com)

- I Love Spelling! By DK Software (http://www.amazon.com)

- Grammar Fitness http://www.meritsoftware.com
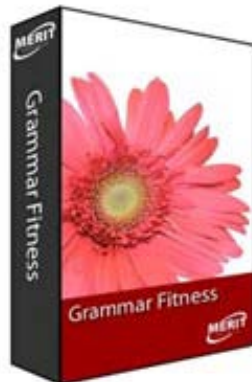
Writing Tools

Writing Programs Online

•Write Online
(http://www.cricksoft.com)

•Ginger
(http://www.gingersoftware.com)

•WhiteSmoke
(http://www.whitesmoke.com/)

•Student Writing Coach (Beta)
http://www.studentwritingcoach.com

•WriteBrain
(http://store.sunburst.com/ProductInfo.aspx?itemid=186383)

Writing Tools

Free Writing Software

- Spelling City
  (http://www.spellingcity.com)

- WritersFocus
  (http://www.freedownloadscenter.com)

- Edit Prep 1.01
  (http://www.gepetosoftware.com/)

- Write Right 1.0
  (http://www.melwin.net/Products.htm)

- Fight the Bull (Free)
  http://www.fightthebull.com

SPELLINGCITY.COM

Writing Tools

Costly Writing Software

- Lifetime Learning Library (http://www.lifetimelearning.com)

- SOLO (http://www.donjohnston.com)

- Word Q by Quillsoft (http://www.wordq.com/)

- Write Online http://www.cricksoft.com
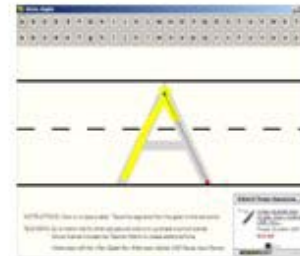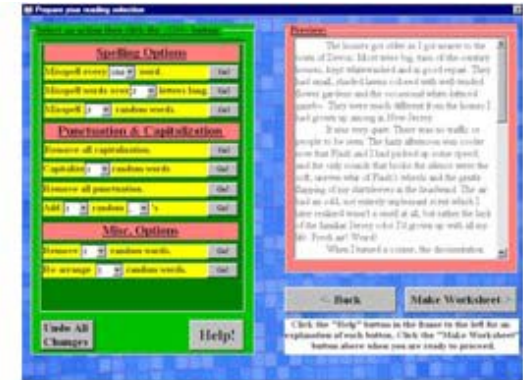
Writing Tools

Costly Speech-to-Text Software

- Dragon Naturally Speaking
(http://www.nuance.com)

- SpeakQ
(http://www.wordq.com)

- Text Help Read & Write Gold
(http://www.texthelp.com/)
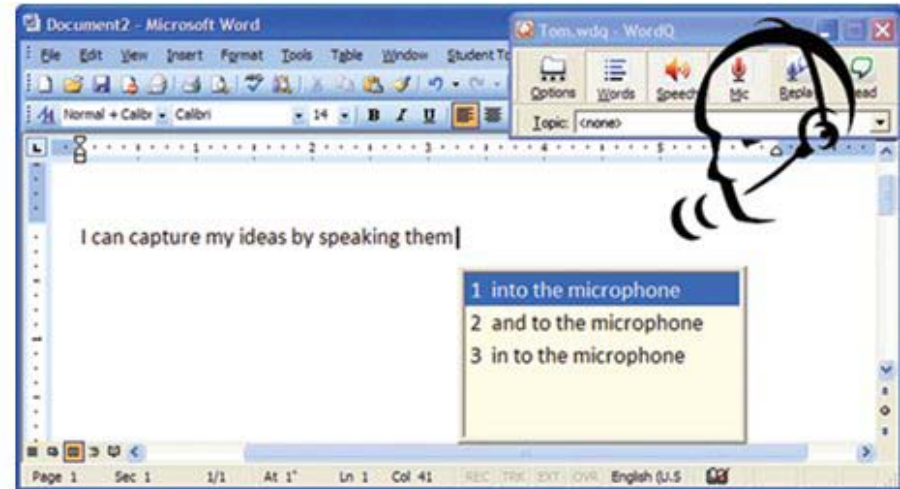
Math Tools

Microsoft Word 2007

On the Insert Ribbon

Select Equation Editor
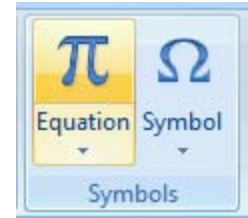
Equation Toolbar
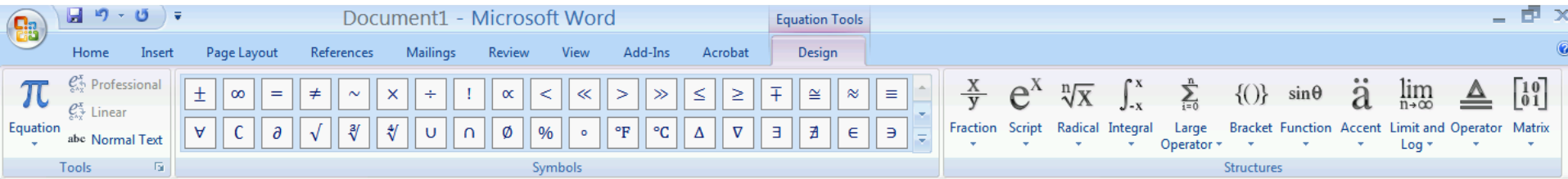
Microsoft Excel 2007
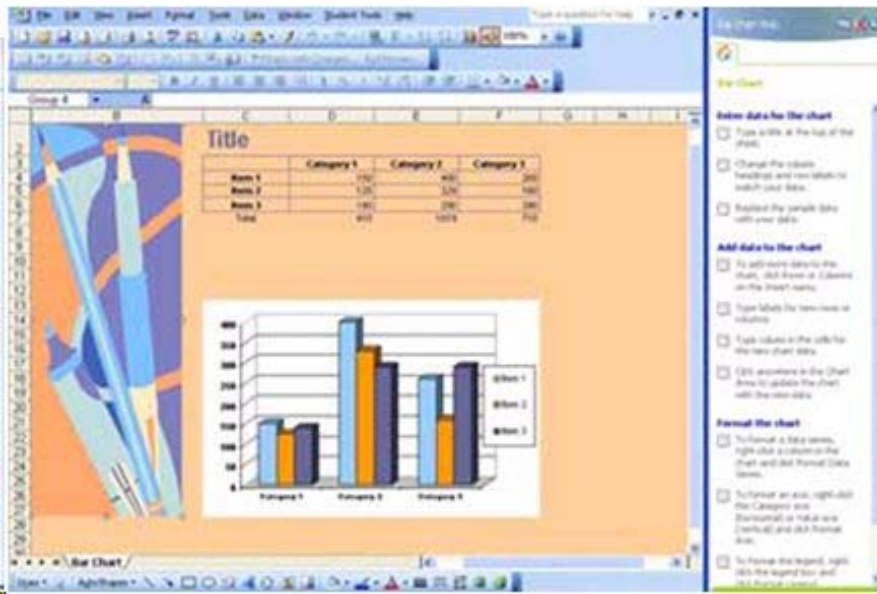
Microsoft Math (Encarta)
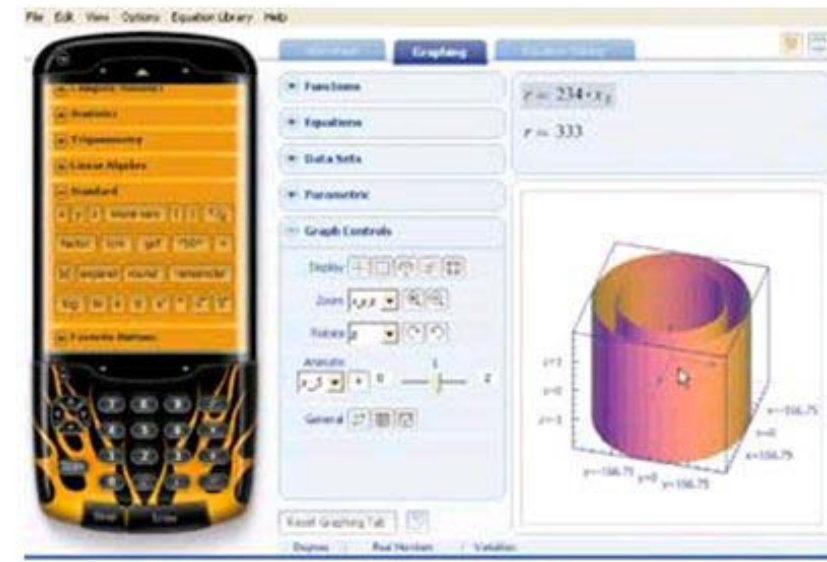
Math Tools

Math Programs for
Struggling Students

•TouchMath
(http:// www.touchmath.com)

Math Tools

Math Software for Making
Materials

• Hot Potatoes
(http://web.uvic.ca/hrd/halfbaked/index.php)

• Microsoft Word (forms, graphs, & charts)
(http://microsoft.com)

• Formulator Express 3.7
(http://mmlsoft.com/index.php)

• Math ActivityMaker: Primary 1.52a
• (http://www.gepetosoftware.com/)
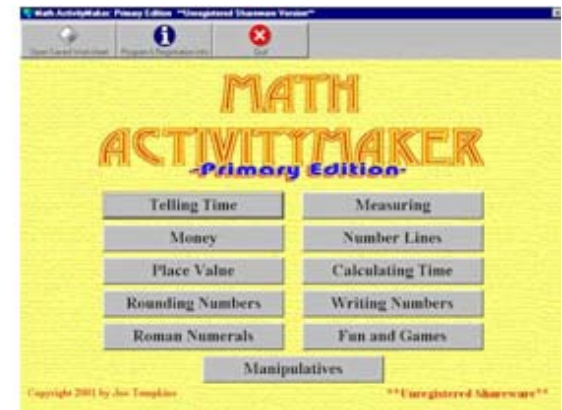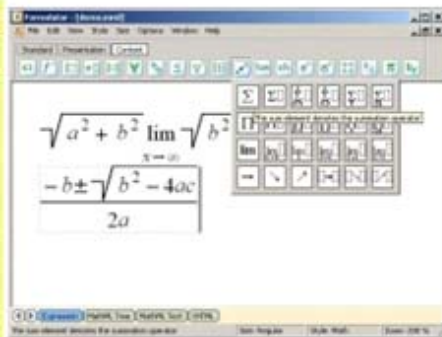
Math Tools

Math Programs Online

- Math Score
(http://www.mathscore.com/)

- Time4Learning
(http://www.time4learning.com)

- Math Foundation
(http://www.mathfoundation.com)

Math Tools

Nintendo

Math Tools

Free Math Software

Too MANY!

Go to http://www.download.com and search

822 software results for "educational software for math"
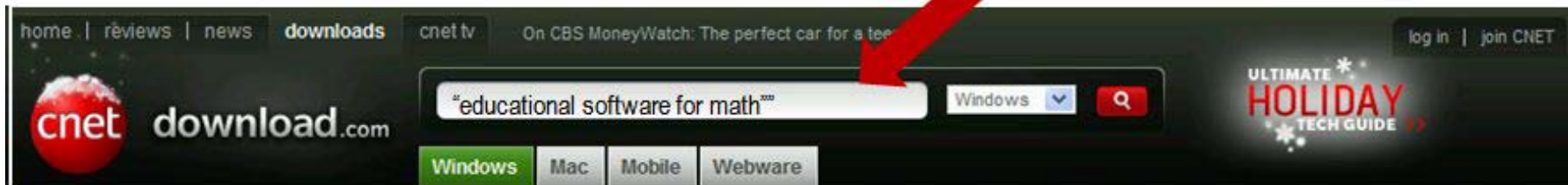
Organizational Tools

Cell Phones   Look what they have…

- Phone directory
- Clock
- Calculator
- Games
- Personalized/custom sounds
- Appointment reminder/calendar
- Automatic redial
- Last-number recall
- One-touch dialing/speed dialing
- Voice-activated functions

- Vibrate mode
- Lock/alarm
- Call forwarding
- Multi-party calls
- Hands-free headset/speakerphone
- Text messaging
- Wireless Internet
- Modem function
- PC synchronization
- PDA
- MP3 player
- GPS receiver

Organizational Tools

iPod & iTouch

iPods in Education

iPods are more than just music players. iPods have functionality that can be used in many different ways for teaching and learning.

Lesson Plans | Audio | Video | Podcasting

Notes | Reference | Quizzes | Hard Disk Mode

Photos | Contacts & Calendars | Interactive Content | RSS Feeds

Learning in Hand
iPods
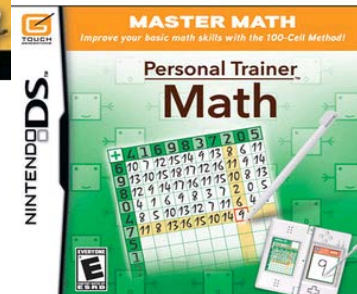Subscribe to the podcast!
iTunes

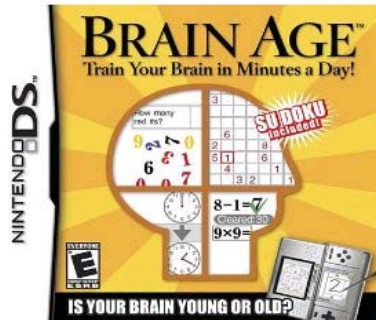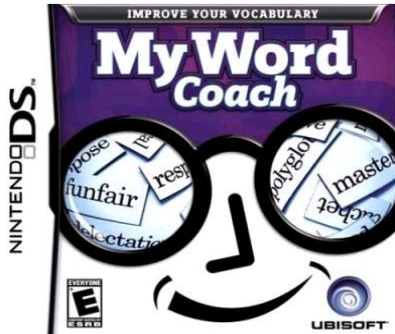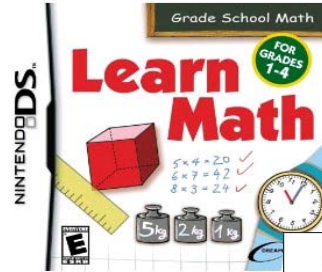http://www.learninginhand.com/ipod/index.html

Organizational Tools

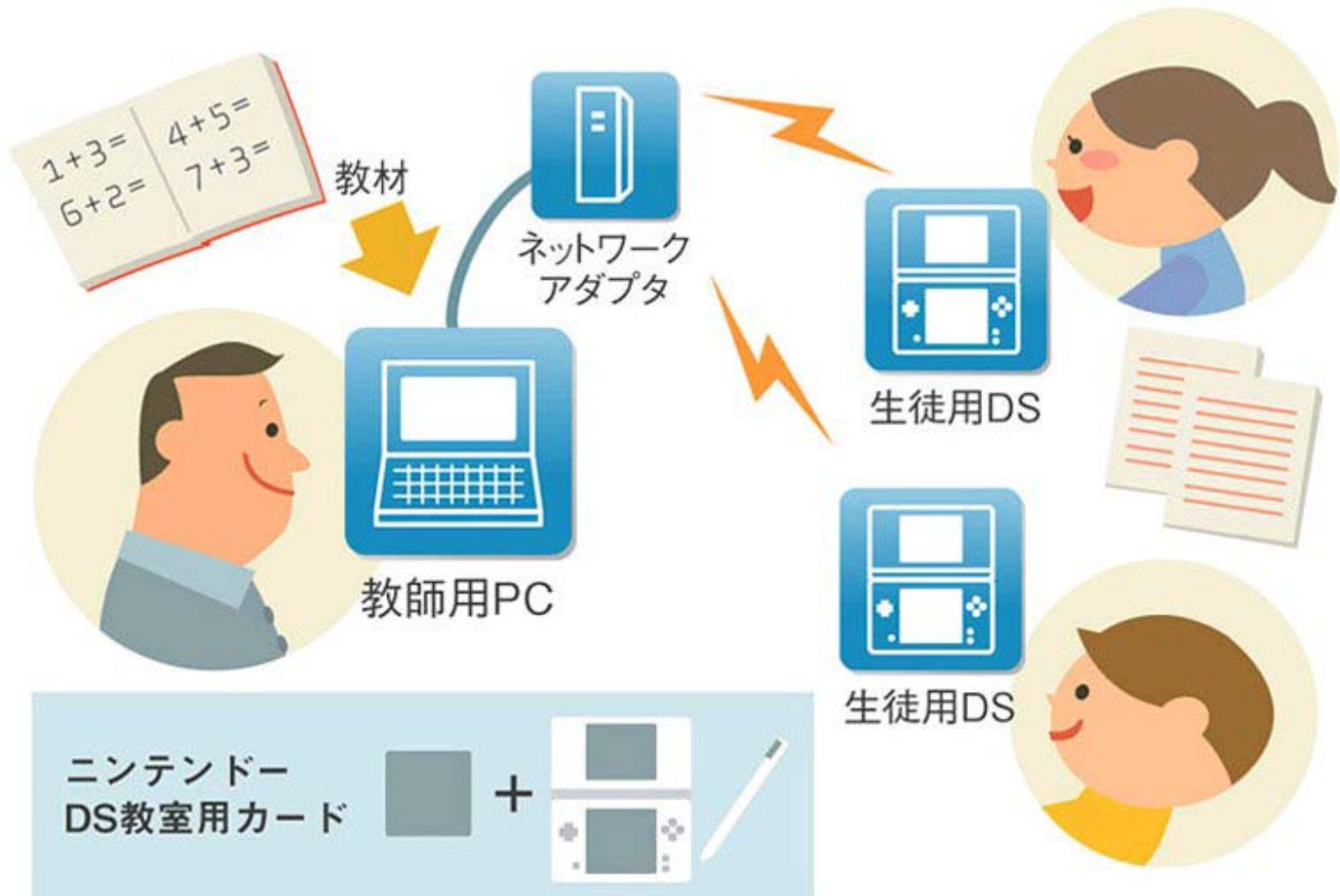Pocket PC, Palm Devices, & Smartphones
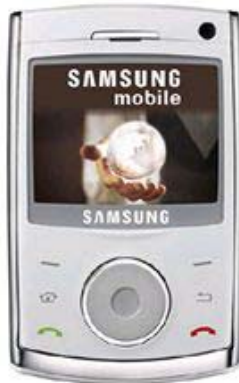
Other Types of Tools

Nintendo

Other Types of Tools

Nintendo Classroom

Other Types of Tools

Nintendo Classroom

Available Fu**X**ure Tools

Available Fu~~X~~ure To~~X~~ols Toys

Star Wars Force Trainer

Available Fu~~X~~ure To~~X~~ls Toys

Mind Flex

Educational Technology

(And More)

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Resource