

Conducting the Symphony of Technology in the Classroom

Resource Listings

Dan Herlihy

So much technology available for education, yet how do you make it play well together in your classroom? From iPod, iTouch and iPads to Interactive White Boards, Netbooks, NoteBooks and more, how do these devices work, what can you do with them, are they easy to use or accessible? Just because it's new and cool, is it really a good fit to enhance the teaching and learning going on in your class? In this hands-on lab, learn how Web 2.0 tools, digital tools for the classroom, including digital video devices, wireless tools and more, can make a difference in engagement, understanding and differentiating your curriculum. Intermediate Level computer skills required.

Hardware Devices:

Flip Digital Video Cameras

Digital Cameras

iPod Touch, iPod Nano, iPad & iPad Camera Connection kit, VGA kit & hard devices for iPad such as science probes, switches, digital microscope

Netbook

Pulse Pen

Canson Paper Show

Webcams – QuickCam, Microsoft LifeCam Cinema

KNFB Reader

Scanners – inexpensive flatbed scanner such as the Canon LiDe 70

Document Cameras – Ladibug

ProScope – digital microscopes, science probes

USB Flash Drives

Easy-Speak – portable USB voice recorder

Portable Apps on Flash Drives – Read & Write Gold, K3000, Premier Keys to Access, Zoom Text, Dolphin

Online Word Processing & Notetaking

- **WriteOnline** www.cricksoftware.com - tracking & evaluate student work online. Online word processing contains word prediction, text to speech, switch accessible, word banks, more. (commercial)
- **Google Docs** - free online word processing - www.google.com - track student work online
- **ThinkFree Online** – free online word processing
<http://member.thinkfree.com/member/goLandingPage.action>
- **SpringPad** – free online notebook accessible by iPod, iPad and computer
<http://springpadit.com/>
- **Evernote** - <http://www.evernote.com/> - free. Save documents, notes, photos, sound clips, files on Mac, PC, Mobile devices, sync files between devices to online account.

Word Processing & Note taking:

- **Open Office Portable** – can run from a portable flash drive
http://portableapps.com/apps/office/openoffice_portable
- Open Office - <http://www.openoffice.org/> - free work processing and office suite for Mac and PC
- **PDF to Word Creator** - www.pdfword.com - upload PDF files, program sends an e-mail file of converted PDF document to Word format.
- **Sense Lang** - www.sense-lang.org/typing - online typing tutor
- **The Story Starter Jr.** - <http://www.thestorystarter.com/jr.htm> - thousands of story starters for young students.
- **Wordle** - www.wordle.net – generate word clouds - auto summarize text documents by graphic emphasis on words use the most in an article
- **Tagxedo** - <http://www.tagxedo.com/> - generate word clouds - auto summarize text documents by graphic emphasis on words use the most in an article
- **Documents To Go® - Office Suite** – app for iPhone
- **GDocs** – notepad that can view, edit and sync documents from your Google Docs account. It allows you create, import/export and send documents for Android devices - <http://sites.google.com/site/gdocsforandroid/>
- **Predictable** – word processing app for iPad with word prediction, scanning capable

Contextual Spelling and Grammar Checkers

- **Ginger** – contextual spelling and grammar checker, runs in MS Word, most versions of Office and related programs, and Internet Explorer
www.gingersoftware.com
- **A.I.type** - <http://www.aitype.com/> - spelling and contextual grammar checker
- **Grammarly** – www.grammarly.com – grammar check, plagiarism detection, vocabulary enhancement, contextual spell check

Free Screen Readers

- **Natural Reader** – <http://www.naturalreaders.com/> free text to speech, floating toolbar to read text in other apps, or the web (Mac & PC)
- **Thunder** - <http://www.screenreader.net/> - free screen reader and talking software for Windows 7, Vista or XP
- **NVDA** - Non Visual Desktop Access - <http://www.nvda-project.org/wiki/Download> screen reader that reads any text displayed on computer screen from documents, folder names, menus, reads text online

Web Conferencing Programs

- **GoToMeeting** - web conferencing software - www.gotomeeting.com
 - o free iPad app allows accessing a broadcast from an iPad or iPhone
- **WebEx** - web conferencing software - www.webex.com
 - o free iPad app allows accessing a broadcast from an iPad, iPod, Blackberry or other SmartPhones
- **lluminate** – www.illuminate.com
 - o up to 3 connections free – voice, video, screen sharing

- **Skype** – www.skype.com free - screen sharing, audio calls, video, SMS, invite up to 25 collaborators at once
 - o Quick on the fly, create contact lists that are private, custom settings

Collaboration Tools and Shared Whiteboards

- **www.showdocument.com** – collaboration tool to share documents, whiteboard, text **www.scriblink.com** – shared online whiteboard
- **http://drop.io/home** - document sharing collaboration tool
- **http://vyew.com** – screen sharing, web collaboration tool – use for on the fly teaching beyond classroom
- **EitherPad, iEitherPad for iPad** - www.ietherpad.com/ - multiple people edit the same document simultaneously on web, any changes are instantly reflected on everyone's screen.
- **Crocodoc** – www.crocodoc.com – share, collaborate, annotate PDF and Word documents from the web
- **TypeWithMe** - <http://typewith.me/> - collaborative online typing documents

Audio Books

- **OverDrive Media Console** – <http://www.overdrive.com/software/omc/> free - use for downloading and transferring audio books from a public library's website to an iPod, iPad, iPhone, Android, Blackberry, Windows Mobile phones, or to listen to audio books on the computer. Log into your local public library and search for audio books you can download using your library card. OverDrive will convert and transfer the files directly to you MP3 player.

iTunesU (The Apple Learning Interchange is being integrated into this) – accessed through iTunes on the iTunes Store – free

- Cultural and education institutions such as the Library of Congress, public broadcasting, and state departments of education also contribute to this growing educational content repository which now includes over 325,000 free lectures, audiobooks, lesson plans, and more. Resource for educators who want to gain insight into curriculum being taught world-wide, get access to primary resources, and find inspiration for enhancing teaching and learning with technology.

Web 2.0 Programs for Students & Educators – all listed are free

Research Tools:

- **Instapaper** – www.instapaper.com – capture and save web pages, change to text view strips out ads and only displays article, archive for later viewing. Read from iPad, Kindle, iPhone, computer or download and print.
- **Great Summary** - www.greatsummary.com , summarizes articles on web
- **Eyeplorer** - <http://vionto.com/show>
- **Dogo News** - <http://www.dogonews.com/> - current event articles, website and maps for middle school students
- **Google Wonder Wheel** - <http://www.googlewonderwheel.com/>

- **Zotero** – Firefox and Word Plug-in <http://www.zotero.org/>
- **TimeGlider** - <http://timeglider.com/index.php> - timeline creator
- **StatPlanet** - www.sacmeq.org/statplanet/StatPlanet.html - statistical maps of countries
- **Evri** - www.evri.com - news aggregation for topic searching. Compiles current news articles on subject or topic
- **Shmoop** - www.shmoop.com - <http://www.shmoop.com/literature/> (literature section) - study and learning guides on topics from Literature, History, Economics, Music, etc. Excellent resource for searching for information on topics, teacher resources
- **Boducus** - <http://bodocus.com/> - online documentaries on major subject matters
- **Awesome Highlighter** – www.awesomehighlighter.com
- **Scribble Maps** - <http://www.scribblemaps.com/> - active online Google maps that you can annotate, draw on, use drawing tools to add shapes, etc., then download, print, export in various formats
- **Catch** – www.catch.com – web page capture utility

Slide Show & Timeline Creation

- **Animoto** - <http://animoto.com/>
- **280Slides** - <http://280slides.com/>
- **Capzles** - <http://www.capzles.com/> - online visual timeline creator
- **Interactive Timeline Creator**
 - o <http://www.readwritethink.org/files/resources/interactives/timeline/>
 - o Horizontal – up to 6 events, Vertical up to 9 events time line creator
 - http://www.teach-nology.com/web_tools/materials/timelines/

Online File Storage

- **BoxNet** – www.box.net – online file storage
- **DropBox** – www.dropbox.com
- **Files Anywhere** – www.filesanywhere.com
- **Evernote** – www.evernote.com

Comic Book Creation Online

- <http://www.zimmertwins.com/> - Zimmer Twins
- <http://www.carnegielibrary.org/kids/storymaker/> - Story Maker
- http://www.scholastic.com/bone/comic_maker.htm
- <http://www.makebeliefscomix.com/Comix/>
- <http://sendables.jibjab.com/> - movie creation using your own images
- Teachers Guide to Comic Book Creation
 - <http://www.brighthub.com/education/k-12/articles/60323.aspx>
- Xtranormal - <http://www.xtranormal.com/index> - create animations by typing in text

Software to Install

- **Comic Book Creator** – PC, **Comic Life** - Mac
 - o <http://plasq.com/products/comiclife/win>
- **Crazy Talk** – morphing/movie creation program
 - o www.reallusion.com/crazytalk

Assignment Tracking Tools

- **Soshiku** - <http://soshiku.com> - online student assignment organizer. Can send e-mail and SMS prompts on assignments due
- **TrakClass** - <http://trackclass.com> - class assignments tracker, add notes, papers, reports
- **Pocket Informant HD** – app for iPhone, iPad – assignment tracker, calendar, sync with Outlook
- **MyHomework** – free app for iPad

Plagiarism Checker & Citation Tools

- **The Plagiarism Checker** - <http://www.dustball.com/cs/plagiarism.checker/> - online free plagiarism checker for teachers
- **DocCop** - www.doccop.com - checks for correlation matches between multiple documents
- **Citation Machine** - www.citationmachine.net - formats for citing sources
- **BibMe** – www.bibme.org – free citing software
- **PaperRater** – www.paperrater.com – reviews your paper for errors and possible plagiarism
- **How to cite APA Style** - <http://www.nova.edu/library/dils/lessons/apa/print.htm>
- **ScholarWord** - <http://scholarword.com/apa.htm> - software for computer, format your entire paper according to any of the leading style manuals.
- **Revue of citation tools** - <http://lib.calpoly.edu/research/citations/tools.html> o
- **EndNote** - <http://www.endnote.com/enx4info.asp> - cite while you write. auto-hyperlink between in-text citations and the bibliography in EndNote X4 and Microsoft Word. Automatic citation report of references used in a Word document in your EndNote library.
- **EasyPaper** - <http://eazypaper.eazypaper-inc.qarchive.org/> - plugs into Microsoft Word and automatically generates a document template outline according to APA, MLA, Turabian/Chicago, or AMA requirements. Term Paper, Thesis, Dissertation, and Journal Article templates. Generates title page, table of contents, references, bibliography, and more.
- **RefWork** - <http://www.refworks.com/> - allows users to create personal databases and use them for a variety of research activities. References are quickly and easily imported from text files or online databases. Users can automatically insert references from their database into their paper and generate formatted bibliographies and manuscripts in seconds.

Math Tools

- **ConceptuaMath** - <http://www.conceptuamath.com/>
- **GeoGebra** - <http://www.geogebra.org/cms/> - this installs to computer
- **Chart Gizmo** - <http://chartgizmo.com/> - online chart builder
- **Google SketchUp** - <http://sketchup.google.com/>
- **Th!nklets** - Geometry and Algebra <http://www.fi.uu.nl/wisweb/issde/>
- **National Library of Virtual Manipulatives**
<http://nlvm.usu.edu/en/nav/vlibrary.html>
- **AlgeBasics** - <http://www.algebasics.com/> - step by step algebra tutorials
- **Dynamic Paper** - <http://illuminations.nctm.org/ActivityDetail.aspx?ID=205> - create worksheets with charts, spinners, graphs and more, then save as PDF or jpeg to print – free

Science

- **Seismon** - <http://www.iris.edu/seismon/> - earthquakes
- **Edheads** - <http://www.edheads.org/> - simple machines
- **daylight map** - <http://www.daylightmap.com/index.php> - daylight map of globe
- **Utah Education Network Interactive Science Website**
 - <http://www.uen.org/3-6interactives/science.shtml>
- **Kids Sites** – Listing of 34 different interactive Science sites
 - <http://www.kidsites.com/sites-edu/science.htm>
- **Apples 4 the Teacher** - <http://www.apples4theteacher.com/science.html>
 - **BBC interactive science activities**
 - http://www.bbc.co.uk/schools/scienceclips/index_flash.shtml

Books & Video

- **FlexBooks** – www.ck12.org – customizable, standards-aligned, free digital textbooks for K-12
- **Google Books** - <http://books.google.com/> - books and articles in public domain, read or download with GooReader
- **ReadPrint** - www.readprint.com - 8000 free books, essays, plays, etc.
- **The Futures Channel** - <http://www.thefutureschannel.com/index.php> - The Futures Channel Movies and Activities, Hands-On, Real World Math and Science Lessons
- **Snag Learning** - <http://learning.snagfilms.com/> - free documentary videos online from National Geographic and others

Creating Tests & Quizzes

Hot Potatoes (free) – <http://hotpot.uvic.ca/> – six applications, enabling you to create interactive multiple-choice, short-answer, jumbled-sentence, crossword, matching/ordering and gap-fill exercises for the World Wide Web.

Lesson Plans, Teacher Resources

- **HippoCampus** - www.hippocampus.org create or utilize a multimedia learning environment for class use - Free
- **Thinkfinity** – www.thinkfinity.org – website contains a vast amount of resources for educators, lesson plans, ideas, interactive activities and more
- **<http://KenThomas.us>** – this website has free high quality nature and outdoor images
- **Lesson Plans and Free Tools** <http://www.suelebeau.com/freetools.htm>
- **Hot Chalk Lesson Plans** <http://www.lessonplanspage.com/>
- **Teacher Planet** <http://www.lessonplans.com/>
- **The Educators Reference Desk** - <http://www.eduref.org/Virtual/Lessons/>
- **Discovery School** - <http://school.discoveryeducation.com/lessonplans/>
- **CSUN Lesson Plans** and links to 100's of other sites, teaching strategies and more - <http://www.csun.edu/~hcedu013/plans.html>
- **What do Maps Show –**
 - o <http://egsc.usgs.gov/isb/pubs/teachers-packets/mapshow/>
- **Microsoft Lesson Plans** - technology focused
 - o <http://www.microsoft.com/education/LessonPlans.aspx>
- **A to Z Teacher Stuff** - http://atozteacherstuff.com/Lesson_Plans/
- **Best of History Lesson Plans**
 - o <http://www.besthistorysites.net/LessonPlans.shtml>
- **McREL** - <http://www.mcrel.org/lesson-plans/>
- **Everything ESL** <http://www.everythingsl.net/lessons/>
- **National Education Association Lesson Plans**
 - o <http://www.nea.org/tools/LessonPlans.html>
- **ESL Lesson Plans**
 - o http://esl.about.com/od/englishlessonplans/English_Lesson_Plans_for_ESL_EFL_Classes.htm
- **Science Lesson Plans** - <http://www.col-ed.org/cur/science.html>
- **Internet4Classrooms** - <http://www.internet4classrooms.com/lesson.htm>
- **Technology Lesson Plans from Adobe**
 - o <http://www.adobe.com/education/instruction/adsc/>

Graphic Organizers, Mind Mapping Tools and Templates

Commercial:

- **Spark Space** - <http://www.spark-space.com/>
- **Inspiration & Kidspiration** - www.inspiration.com
- **SmartDraw** - <http://www.smartdraw.com/>
- **Kurzweil 3000** - www.kurzweiled.com has a graphic organizer embedded as feature in the program
- **WiseMapping** - <http://www.wisemapping.com/c/home.htm>

Free:

- **Mindmeister** - <http://www.mindmeister.com/> free web based
- **Mindomo** - <http://www.mindomo.com/> free web based
- **Bubbl.us** - <http://www.bubbl.us/> free web based brainstorming

- **Ekpenso** - <http://en.ekpenso.com/> online mind mapping tool
- **Mapul** - <http://www.mapul.com/>
- **MindNode** - <http://www.mindnode.com/> concept mapping for Mac
- **Web of web** - <http://webofweb.net/> open source collaboration tool
- **CMap** - <http://cmap.ihmc.us/conceptmap.html>
- **Thinkature** - <http://thinkature.com/>
- <http://www.eduplace.com/graphicorganizer/>
- http://www.educationoasis.com/curriculum/graphic_organizers.htm
- <http://my.hrw.com/nsmedia/intgos/html/igo.htm>
- <http://www.graphicorganizers.com/>

Firefox We Browser Add-ons - choose Tools menu, Add-ons, Get Add-ons

- **FireShot** – web page capture add-on for Firefox toolbar
- **NoSquint** – screen magnifier
- **Talking Clipboard** – free version reads text on websites, paid allows you to export text as MP3 (earlier versions of Firefox 3 only)
- **Wired Marker** – highlight text on web and saves highlights in categories
- **Zotero** – cite websites
- **ClickSpeak** – free text to speech add-on for earlier versions (Firefox 3 only)
- **Video Download Helper** – capture, download video and image files from many sites
- **Yoooper** - highlight in one-click, permanent highlight, even on dynamic websites (Wikipedia, Gmail) data back-up on Yoooper server, memory teaser and summary page, copy, print or e-mail highlights (Firefox 3 only)

Add-ons for Internet Explorer 8

- To access - Click the Tools button, and then click Manage Add-ons.
- Internet Explore add-ons: <http://www.ieaddons.com/en/>

Apps for iPad

Communication

- **Proloquo2go** – A/AC software
- **iCommunicate** for iPad – A/AC software
- **TapToTalk** - A/AC software
- **iInteract** – create communication boards with speaking
- **Assistive Chat** – AAC device program for those with speech difficulty
- **iPrompts** – A/AC communication program
- **iMean** – large keyboard and different layouts, cursory word prediction
- **iAssist Communicator** – designed for individuals with Autism and other developmental disabilities – uses photos
- **SoundingBoard** - create communication boards, switch accessible
- **TapSpeak, TapSpeak Button, TapSpeak Choice** – create communication boards, choice buttons, switch accessible
- **iTranslate** – language translation – need to be connected to web to use
- **myLanguageTranslator** – online language translation

Schedules

- **HomeRoutines** – create routine lists with built in timers
- **First Then Visual Schedule** – create visual schedules, record voice, import images,
- **Vcommunicator Mobile Lite**
- **Picture Scheduler** – picture schedules, in sequence with voice prompts

Books, Writing, Document Readers

- **Ebookhood** -www.ebookhood.com/ipod-ebook-creator - a free application, download and install to convert text files to iPod e-book format.
- **GoodReader** – document reader
- **Stanza** - download commercial as well as over 50,000 free classics
- **Kindle** – ebook reader access to Kindle listing of books
- **Free Books** – 23,469 free classics
- **iBooks** – book reader
- **PDF Reader Pro** – open PDF files
- **Narrator** – limited number of free classics with voice playback
- **ReaddleDocs** – open Word, PPT, txt, PDF files
- **OverDrive Media Console** – app to import/convert downloaded audio books from public libraries to play on device
- **Speak It!** – text to speech program
- **Dragon Dictate** – voice recognition – need to be connected to web to use
- **Web Reader HD** – reads text aloud on web pages with high quality voices
- **Dragon Search** – voice recognition search request
- **StoryKit** – create electronic storybooks for iPad
- **Storyrobe** – similar to StoryKit book creation app
- **Sonic Pics** – similar to PhotoStory 3 for PC
- **Writers Studio** – creative writing for students
- **Strip Designer** – comic book creation
- **Predictable** – word processing program with word prediction, scanning
- **Typ-O-HD** – word processing with word prediction
- **Toontastic** –story and animation
- **SpringPad** – online note book
- **Evernote** – online notebook, storage, add images, sounds, sync with other devices
- **ShapeWriter** – type by dragging finger from letter to letter
- **Auditorium** – writing notebook for iPad, can sync with DropBox
- **InstaPaper** – captures webpage, clears adds
- **iA Writer** – writing document

Drawing, Animation, Mind Mapping

- **ReelDirector** – combine videos
- **iMovie** – edit video
- **Idea Sketch** – mind mapping program
- **Idea Lab**- idea generation and brainstorming
- **Animoto** – create movies from individual pictures

- **miAnimation** – animation creation
- **Draw Free** – drawing program
- **iThoughts** - mind mapping program – very good
- **FlipIt!** – flipbook creator
- **Drawing Pad** – similar to KidPix
- **Photo Pad** –edit images
- **Puppetpals HD** – make puppets from image and animate

Print N Share – printing utility to print to shared printer on Wi-Fi networks

Organization

- **To do for iPad** – to do checklists
- **Awesome Notes** – note pad
- **Adobe Ideas** – sketch, organize ideas
- **Toodledo** – task manager

Math and Science

- **Planets** – planet positions in sky with stars
- **SkyOrb 3D** – stars in your current location or set location
- **Solar Walk** – 3D solar system, interactive, facts
- **NASA** – NASA sites, movies, images
- **Contraption** – build simple machines to solve problems
- **MathBoard**
- **Soulver** – translates written word problem into math answer
- **Jumbo Calculator**

IEP Checklist

AutismTrack

Lecture/Recording Apps

- **Soundnote**
- **Note Taker HD**
- **Audio Note**
- **QuickVoice**
- **Auditorium**

Video & Broadcast from Computer to iPad/iPod Apps

- **GoodPlayer** – Plays Xvid, AVI, WMV, Divx movie formats on iPad
- **ZumoCast** - <http://www.zumocast.com/> - stream video to an iPad from a Macintosh
- **Air Video** - <http://www.inmethod.com/air-video/getting-started.html> - stream videos in any format from your computer to an iPad or iPod - Mac/PC
- **Air Display** – extend desktop display to iPad

GoToMeeting, WebEx – connect to web conferencing apps

ZoomReader – <http://mobile.aisquared.com> – app on iTunes App Store for iPhone, iPod, iPad - take a picture of any page, program will read it back with high quality text to speech voices

Hardware Accessories for iPad/iPod

- **PASCO Airlink2** (use with SPARKvue software on iPad/iPod) – Bluetooth connectivity of PASCO science probes displaying real time data on iPad/iPod – www.pasco.com
- **ProScope Mobile** (Bodelin) wifi enabled digital microscope that broadcasts to iPads - <http://www.bodelin.com/proscopehr/>
- **Apple Camera Connection Kit** – allows you to connect your digital camera to iPad to upload images, or plug in SD card to upload directly from the card. www.apple.com or from Apple Stores
- **Apple VGA Adapter** – allows for playing video and presentations out from iPad to a projector, mirror entire iPad2 screen to projector - www.apple.com or from Apple Stores
- **Apple Wireless Keyboard** - www.apple.com or from Apple Stores
- **Apple Composite AV Cable** – watch video on a big screen with full stereo sound by connecting iPad to the composite video and stereo audio inputs on TV - www.apple.com or from Apple Stores
- **Apple Component AV Cable** - Watch iPad video on a big screen with full stereo sound by connecting iPad to the component video and stereo audio inputs on TV
- **Apple Digital AV Adapter** (for iPad2) show slides, movies, photos, and everything else that fills your iPad screen on an HDTV. The Apple Digital AV Adapter mirrors exactly what you see on your iPad to a widescreen TV, video projection screen, or other HDMI-compatible display.
- **RJ's iPad Switch Interface** – wireless switch interface for iPad from R.J.Cooper – <http://www.rjcooper.com/>
- **Blue2 Bluetooth Switch** – www.Ablenetinc.com – dual switch provides access to compatible iPhone, iPad, and iPod Touch applications via Bluetooth wireless technology.
- **Griffin Stylus** - <http://www.griffintechnology.com/> - Stylus for capacitive touchscreens such as iPad
- **Pogo Stylus for iPad** – found online at Amazon.com, <http://www.boxwave.com/>
 - o Boxwave has other stylus available also

Online Teacher Resources

- **Edutopia** - <http://www.edutopia.org/>
- **Technology & Learning** - <http://www.techlearning.com/>
- **Connect with Music** - <http://www.connectwithmusic.org/>
- **Microsoft Guides for Teachers** - <http://www.microsoft.com/education/teachers/guides/default.aspx>
- **The Gateway to Educational Materials Project** - <http://www.thegateway.org/>

- **Intel Education**
<http://www.intel.com/about/corporateresponsibility/education/k12/index.htm>
- **Thinkfinity – Sponsored by Verizon Foundation – Lesson Plans and Educational Resources** - <http://www.thinkfinity.org/>
- **Apple Learning Interchange** - <http://edcommunity.apple.com/ali/>
- **iTunesU** – launch iTunes, go to the iTunes Store, choose the iTunesU tab from the menu options at the top. This area will be replacing the Apple Learning Interchange as of Sept. 3, 2010
- **Section of Apple Website with Mac OSX Applications – many free – for download**
http://www.apple.com/downloads/macosx/home_learning/

Free Access Tools

- **CaptionTube** - <http://www.captiontube.appspot.com/> - create captions for YouTube videos.
- **Camera Mouse** - <http://www.cameramouse.org/> - free program that enables you to control the mouse pointer on your computer screen just by moving your head. (PC)
- **iNavigate 1.1** -
http://www.apple.com/downloads/macosx/home_learning/inavigate.html Uses iSight camera in Macintosh – head mouse similar to Camera Mouse
- **Zoom It** - <http://www.pendrivelabs.com/> - can be used as a replacement *Zoom Tool for Windows*. This *Screen Zooming Tool* functions much like like the Mac OS X Zoom Tool but was designed for Windows XP and Vista Operating Systems. ZoomIt enables you to quickly Zoom in and out of a section of your screen using your Mouse wheel and can be enabled or disabled via any customized key configuration.
- **Strokelt** - <http://www.tcbmi.com/strokeit/> - Mouse gestures for Windows similar to GMote
- **NVDA Non Visual Desktop Access** <http://www.nvda-project.org/wiki/Download> - screen reader that reads any text displayed on computer screen from documents, folder names, menus, reads text online – free (PC)
- **Dwell Click** - <http://www.sensorysoftware.com/dwellclicker.html> - for those who can operate the mouse pointer, but not the buttons. For example, users of a head mouse can use this software to control mouse operated Windows programs.
- **ClickAid Mouse Helper** - <http://www.polital.com/ca/> - free stand-alone on-screen mouse aid designed for anyone who has difficulty switching between mouse buttons or double clicking on a physical computer mouse. It will work with all mouse systems including head mouse and touch screen devices. (PC)
- **Dynamic Keyboard** - <http://www.canassist.ca/dynamic-keyboard> - The Dynamic Keyboard is an on-screen keyboard which allows you to type using

- your computer and an input device such as a joystick, trackball, mouse, single switch, among others. As you type, the Dynamic Keyboard also anticipates what you are trying to type and helps you choose the right letters and words faster. (PC)
- **Click-N-Type** - <http://www.lakefolks.org/cnt/> - free scalable onscreen keyboard with word prediction, language modules – customizable (PC)
 - **Thunder** - <http://www.screenreader.net/> - free screen reader and talking software for people with little or no sight - it works well with Windows 7, Vista or XP (PC)
 - **Natural Reader** – <http://www.naturalreaders.com/> free text to speech, floating toolbar to read in other apps, or the web (Mac and PC)

Digital Cameras in the Classroom:

- iPod Nano – www.apple.com built in video capture camera, plays audio books, audio files in MP3 format, easy to use, inexpensive (8 gig model about \$139.00)
- Flip Camcorder <http://www.theflip.com/> - inexpensive, easy to use portable camcorder, built in microphone, built in USB plug to transfer movies to Mac or PC

Flip Cameras, conversion software, software to create projects

- The Flip Camera in the Elementary School Classroom
<http://cnx.org/content/m32297/latest/>
- Many ways to use Flip Cameras in the classroom
<http://www.freetech4teachers.com/2010/03/many-ways-to-use-flip-cameras-in.html>
- Educational Uses of Digital Story Telling
- <http://digitalstorytelling.coe.uh.edu/>
- Educational Uses for the Flip
<http://www.digmo.co.uk/edu/10-education-uses-for-flip-video/>
- 44 Ways to use a pocket video camera
www.ideastoinspire.co.uk/pocketvideo.htm
- Flip Camera ideas
http://www.ehow.com/list_5801226_flip-camera-ideas.html
- Movie Making in the Classroom
http://blogs.scholastic.com/top_teaching/2010/01/movie-making.html
- 40 Ways to use a Pocket Video Camera. There is a listing of over 20 other weblinks for ideas on using the Flip in the classroom here. -
<http://richland.k12.la.us/flip.html>
- Flip videos can be converted to MP4 format and synced onto iPod or iPads using the free programs:
- PC: **WinFX Video Converter** (free)
<http://softziz.com/2010/06/winfx-video-converter-winff-1-2/>
- Mac: multiple listings for programs found at
<http://www.apple.com/downloads/macosx/video/>

iPod/iPad Resource Sites

- **iPod & iPad User Group Wiki**
<http://wiki.canby.k12.or.us/groups/ipodusergroup/>
- **iPhone, iPod and iPad Apps for Special Education listing**
<http://www.scribd.com/doc/24470331/iPhone-iPad-and-iPod-touch-Apps-for-Special-Education>
- **iPods and iPads in Education**
<http://www.teachingnews.co.uk/2010/07/ipads-and-ipods-in-education-part-2/>
- **Learning Continuity with iPads – app listing for education**
<http://sites.google.com/site/learningcontinuity/with-ipads>
- **iPad Apps in Science**
<http://www.educatoral.com/wordpress/2010/06/30/ipads-in-science/>

Free movie and slide show creation software: At the Microsoft website
<http://www.microsoft.com> – enter in the search either of these three programs

- **Windows Movie Maker** (Windows XP, Vista, Windows 7)
- **Windows Live Movie Maker** (Vista, Windows 7)
- **PhotoStory** – easy to use slide show creation, allows narration, importing of music
- **Easy Slide Show Creator** for Macintosh
<http://easy-slide-show-creator.mac.findmysoft.com/> (Commercial Program)
- **iMovie** on a Macintosh can create slide shows from stills
- **QuickTime Pro** can create a slide show on a Mac or PC from still images. You can import narration, effects, etc.

Webcams:

- **QuickCam** - www.logitech.com
- **Microsoft LifeCam Cinema**

<http://www.microsoft.com/hardware/digitalcommunication/productdetails.aspx?pid=008>

Time Lapse Movies Using WebCams – software and examples

- **Plants in Motion**
 - o <http://plantsinmotion.bio.indiana.edu/plantmotion/starthere.html>
- **HandyAvi** - <http://www.azcendant.com/>
- **BTV Pro for Macintosh** <http://www.bensoftware.com/btv/index.html>
 - PC - http://www.freedownloadmanager.org/downloads/time_lapse_software/
 - **iStop Motion** - Mac – <http://www.boinx.com/istopmotion/overview/>

Software can also take digital stills and put them together as a time lapse movie. QuickTime Pro can do this as well as programs from
<http://www.worldcam.eu/software.html>

Inexpensive Classroom Document Cameras & Digital Microscopes

- **The Ladibug**
<http://www.myladibug.com/> - approx \$350.00
 - o Can purchase a wireless base, use anywhere around the room, affordable - most document cameras price ranges are \$500 - \$1,200
- **Epson DC06 Document Camera** – \$400.00 (less at Amazon) – 1024x768 resolution, 4x digital zoom
<http://www.protechprojection.com/inc/sdetail/17315>
www.epson.com
- **Point 2 View** - Inexpensive (under \$100.00) Document Camera P2V -
<http://caineassociates.com/>
- **Digital Blue QX5 (and QX3) Microscope** - <http://store.digiblue.com/> less than \$100.00
- **PC Microscope** - <http://www.tfeinc.com/shop/> - approx \$69.00
- **Pro Scope** – <http://www.bodelin.com/proscopehr/> – higher end, \$300.00 and up

Classroom Case Studies

<http://www.myladibug.com/teacher.php?s=Case%20Studies>

50 Ideas for Using Document Cameras in the Classroom

http://www.edtechnetwork.com/document_cameras.html

Netbooks

- Pros: small, inexpensive, portable, lightweight, runs Windows OS and will run most applications that would run on a typical computer
- Cons: smaller screen size – typically 800x480 or 1024x600, entry models have only 1 Gig Ram, need to scroll up and down to see entire screen, smaller keyboards, slower processors, typically come with XP, no installed CD/DVD drive - need to typically purchase an external CD/DVD drive as an accessory

Echo/Livescribe Pulse Pen - <http://www.livescribe.com/en-us/> - Use to create

- Interactive Boardmaker communication boards, activities
- Inspiration 9 activities on paper
- Study activities such as maps which read facts when a state is clicked on

Canson Paper Show - <http://www.shoppapershow.com/>

- Wirelessly display PaperShow pages on computer screen and to projector
- Ideas on use from Brian Friedlander's blog

<http://assistivetek.blogspot.com/2009/04/using-papershow-with-powerpoint.html>

- Canson PaperShow and Pulse Pen ideas in the classroom
<http://blogs.usm.maine.edu/ctel/2010/06/15/the-pen-is-mightier/>

KNFB Reader – www.knfbreader.com – software for certain model Nokia cellphones that allows a user to take a picture of any page of text, the program will then read it back with high quality text to speech voices

Intel Reader - http://www.donjohnston.com/products/intel_reader/ - high-resolution camera with the power of an Intel Atom™ processor that converts printed text to digital text, and then reads it aloud while highlighting the text onscreen.

ZoomReader (\$20.00) – app for iPhone from the iTunes App Store, allows a user to take a picture of any page of text, the program will then read it back with high quality text to speech voices

Scanners – create access to written text using text to speech by scanning a document into a computer using: Kurzweil 3000 www.kurzweilededu.com , Read and Write Gold www.texthelp.com , Premier Scan and Read www.readingmadeeasy.com, OmniPage Pro www.nuance.com , Readiris <http://www.irislink.com> , WYNN Wizard <http://www.freedomscientific.com> , **Simple OCR (free)** <http://www.simpleocr.com/>

Easy-Speak Microphone – easy to use portable microphone, runs on batteries, records, saves, playback on device, USB plug on device allows you to download MP3 sound files to computer to use. <http://www.educcomp.co.nz/easi-speak.htm>

Interlink VP3420 (formerly Go-Speak) – wireless portable Voice Amplification for the classroom http://www.touchboards.com/interlink/Interlink_VP3420.html (approx \$450.00) – Research has proven a voice amplification system has a direct impact on learning