

## Digital Tools For Digital Kids– Web 2.0 Software for the 21<sup>st</sup> Century Classroom

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[www.toolsfortheclassroom.com](http://www.toolsfortheclassroom.com)

<http://toolsfortheclassroom.ning.com/>

### Demonstration Videos to understand Web 2.0

- **Don Tapscott on The Digital Generation**

<http://www.youtube.com/watch?v=bmXmUSdT78>

- **EduHound Site Sets** are collections of topic-based online education resources

<http://www.eduhound.com/>

Thousands of free lesson plans that meet state and national standards

[http://www.eduhound.com/lesson\\_plans.cfm](http://www.eduhound.com/lesson_plans.cfm)

- **Demo -Talks Johnny Lee: Creating tech marvels out of a \$40 Wii Remote Video on Remote Control White Board**

<http://www.ted.com/index.php/talks/view/id/245>

- The COMPLETE Web2.0 Directory [Go2Web20.net](http://www.go2web20.net) <http://www.go2web20.net/>

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### GLOBAL CONNECTIONS:

- e-Pals <http://www.epals.com/> Getting Started: Finding, Choosing and Collaborating via ePals

[Brand New To ePals](#) [Tips for Starting ePals](#) [Our ePals Friend from Arlington](#) [Choosing a project](#) [Travel Buddy Exchange](#) **e-Pals**

Your group will be assigned a topic-research it and select a spokesperson to present the material

1. Discover the world—and expand yours! On **Geography Central**
2. **Human Rights** - ePals Student Voices are Heard
3. ePals Projects for Classroom Collaboration: **People and Culture**
4. ePals Projects for Classroom Collaboration: **Global Warming**
5. ePals Projects for Classroom Collaboration: **Habitats**
6. ePals Projects for Classroom Collaboration: **Maps**
7. ePals Projects for Classroom Collaboration: **Natural Disasters**
8. ePals Projects for Classroom Collaboration: **Water**
9. ePals Projects for Classroom Collaboration: **Weather**
10. ePals **Search For Classrooms** Available Now
11. ePals **Search For Projects** for Classroom Collaboration
12. ePals **Teacher Forums** and **Projects Forums**
13. What **specific features** are a part of ePals?

**Demo - CILC** *Center for Interactive Learning and Collaboration (CILC)*: CILC provides consulting services and develops tools and resources to improve learning through Video Conferencing and *Collaboration*

<http://www.cilc.org/>

# TOP 20 Web 2.0 for 21<sup>st</sup> Century Skills

## **SOCIAL Connections : NETWORKING : BOOKMARKING**

1. **Ning** - Ning lets you create new social experiences for the most important people and interests in your life.

- Let's join a Ning and collaborate <http://toolsfortheclassroom.ning.com/>

**2. Blogs:** The versatility of blogs is what makes them so valuable. Blogs provide opportunities to reach out to a range of community stakeholders including administrators, other teachers and students, parents, and the community at large. Blogs have the power to give kids an authentic audience and It gives students a voice. <https://www.blogger.com/start>

WorkShop Blog : [Introduce Yourself To The Web](#) <http://mytooltest.blogspot.com/>

Kinder Blog: <http://turnerkindergarten.blogspot.com/>

**3. Bloglines** - Aggregator of choice. Ability to connect people together. See what people like [Will Richardson](#) and [Bernie Dodge](#) are reading, which really sets Bloglines apart.

<http://www.bloglines.com/>

**4. Voicethread** <http://voicethread.com/#home>

Audiovisual tool that gives users the ability to upload images or video files and then add audio or text comments. The power of this is in the commenting. Sample HERE:

<http://voicethread.com/#q.b45226.i236813>

Education DEMO" HERE>> <http://voicethread.com/#q.b3352.i28616>

**5. Demo - Del.icio.us** - <http://delicious.com/> Social bookmarking engine...(online bookmarking), it connects people to websites

**6. Google Docs and Spreadsheets** - Google's Docs and Spreadsheets ..it's collaborative. While editing a document, you can invite other people to work on it with you. Windows or Mac, Firefox or Explorer, <https://www.google.com/> ( SIX words to define my life...Listen for LOGIN Directions and passwords

**7. Scratch** - Download the software - <http://scratch.mit.edu/download>

There are [331,068 projects](#) with a total of 8,597,692 scripts and 2,598,481 sprites created by 51,079 contributors of our 232,446 registered members. That's a lot of Scratch-ing!

**8. Vyew** - This is essentially a free webinar solution, similar to [WebEx](#) and [Elluminate](#). It does have features that you'd normally pay tens of thousands for, such as the ability to share PowerPoints, whiteboarding and the holy grail of webinars, desktop sharing..  
<http://vyew.com/site/>

**9. Voki**, a text to speech generator that has a lot of very interesting applications. Animated figure being projected on the screen. "What if the Voki was reading a list of spelling words? What if it was speaking another language? The site offers a high level of customization ranging from the overall look of the Voki to the sound of its voice. <http://www.voki.com/>

**10. Glogster**

An "interactive poster," is, in effect, a personal Web page complete with embedded media links, sound, and video capabilities. Students can work with Glogster individually or as a group to create presentations, share information, and interact with their peers. Make sure you sign up for the "EDU" version, which prevents other users from viewing class-specific "Glogs."

**11. FlashMeeting** <http://flashmeeting.open.ac.uk/home.html> Flashmeeting is an academic research project aimed at understanding the nature of online events and helping users to meet and work more effectively.

**12. uStream** <http://www.ustream.tv/>

**13. QuantumShift TV** : <http://www.quantumshift.tv/>

**14. Picnik** – <http://www.picnik.com/> A image editing sites in the world of Web 2.0, but Picnik stands out for a few reasons. The site is well laid out, easy to navigate, and incredibly intuitive.. Picasa <http://picasa.google.com/index-new2.html> Cooliris- photo storage – demo <http://www.cooliris.com/>

**15. Jing** Web site for the download: = [www.jingproject.com](http://www.jingproject.com)

**16. Animoto** Animoto is an automated presentation generator that focuses on using images to communicate a message. This tool is great for class collaboration and it is easier than using PowerPoint. <http://animoto.com/>  
Check out the education version: <http://animoto.com/business/education>

17. **Taking IT Global** <http://www.figweb.org/connections/> This section of TakingITGlobal focuses on online community building and cross cultural dialogue. Total Members: 237,543 **TRY the following:**  
[Discussion Boards](#) Discuss everything from the digital divide to peace and conflict with hundreds of other TakingITGlobal members!  
[Member Stories](#) Are you inspired, informed and involved? These people are! This section is dedicated to showcasing the personal perspectives, ideas and issues facing TIG members.  
[Member Search](#) Browse through TakingITGlobal's vast youth network! You can find members based on location, language, interests, and more.  
[E-Cards](#) Let a friend or family member know you're thinking of them on their birthday or other special occasion with one of the free e-Cards in our collection!

18. **Demo - GCast** – It is also a powerful solution for podcasters who don't quite understand how the RSS piece works. Anybody can upload audio files to GCast, organize them into a single or multiple podcast feeds. <http://www.gcast.com/>

19. **Demo - Curriki** is a community of educators, learners and committed education experts who are working together to create quality materials that will benefit teachers and students around the world. An online environment with free distribution of world-class educational materials <http://www.curriki.org/xwiki/bin/view/Main/> Lesson plans, teaching activities, works **Register to Join Curriki**

19. **MeBeam.** <http://www.mebeam.com/> It allows you to have up to eighteen people on the same video conference call, and it's all browser-based. But you can participate in the call if you only have a microphone Go to the site and give your "virtual" room a unique name. Then others can log-on, too. Up to eighteen people can participate in the call.

20. **Edublogs.TV**, <http://www.edublogs.tv/index.php> the newest tool from the [Edublogs](#), the best educational blogging tool in the world. Edublogs.TV is a "video-hosting site dedicated to education." You can upload videos, such as educationally useful ones from YouTube, and then Edublogs.TV does magic to it so that schools can access them when the original site might be blocked.

21. **.Google Reader** – My favorite RSS aggregator early this year. I was able to subscribe to certain YouTube vidoes and watch them from within the app, not having to visit YouTube

itself. And the fact that there are several Google applications listed in my top 10 occur because I only have to sign in once with the same login/password. [www.google.com/reader](http://www.google.com/reader)

## Other LINKS for Web 2.0

**Demo-What is WildEarth (WE)?** A new concept in wildlife TV. Everything you see is 100% LIVE and happening right now. Join us for a LIVE presenter lead safari, where WE go in search of some of our favourite characters. WE also do a LIVE bush walk every weekday morning, visit the [WEschedule](#) for all the times and shows.

<http://www.wildearth.tv/home>

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- [360 Cities](#) brings interactive, panoramic photography to the mainstream. <http://www.360cities.net/>
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## ON-LINE TESTS AND QUIZES

**Demo** - Take a look at Web 2.0 educational site for quiz creation: <http://www.proprofs.com/quiz-school/>

## SCIENCE AND MATH

- **Fantastic** Contraption <http://fantasticcontraption.com/>

**Demo** - [Gizmos](#) provides free (30 days) interactive science and math simulations.

<http://www.explorelearning.com/index.cfm>

Storytelling **Alice** is designed for middle-school students. Download Storytelling Alice [here](#).

## PHOTO SITES AND PHOTO EDITING

**Demo - Flickr** - The premiere social photo sharing site of the Web 2.0 world. Packed with 2.0 features, contacts, comments, groups. Favorites are [Spell with Flickr](#), [Memry](#), and [Flickr Toys](#) collection. Search for [Creative Commons images](#) that students actually have the rights to use in their presentations and digital stories is invaluable... Add to your list for online video editing... <http://photobucket.com> a site that provides "free video and photo sharing"

- Flickr Magazine Cover tool - <http://flagrantdisregard.com/flickr/magazine.php>

**Demo - Bubbleshare** - An easy photosharing site that some teachers in my district used with students, including showcase at conferences <http://www.bubbleshare.com/>

**Demo - PhotoBucket** <http://photobucket.com/> *Photobucket* offers image hosting, free photo sharing and video sharing. Upload your photos, host your videos, and share them with friends and family.

## SLIDE SHOWS

- **Memories on Web** -Folder <http://www.codejam.com/> <http://www.codejam.com/slideshow/mow.htm#tips>
- **GROUP A: 280 Slides.** <http://280slides.com/> The newest and best addition to [The Best Ways To Create Online Slideshows](#). I especially like its feature that you search for images and videos off the web right inside the slide-show creation process.

**PhotoShow** - <http://www.photoshow.com/> "turns photos into musical slideshows" - wide range of elegant templates, add captions. Audio only from music on site. Audio from list of music only. **(FREE for 30 DAYS)**

- **GROUP A: One True Media** - <http://www.ontruemedia.com/> "...effortlessly combine photos and video clips with words and music to personalize your story. Quickly share with our Online Slideshow or get as creative as you want with our Video Montage." Upload images and audio for story track. Embed in blogs or directly post to YouTube/Google video, mySpace, Google Groups. Great template choices.
- **GROUP b: Moblyng.** <http://www.moblyng.com/> It seems easy to make a slideshow and it continues to allow you to invite others to collaborate on your creation. The only negative with that last change is that, if students are using a public or school computer, they need to click "Clear Your Personal Info" so that others don't have access to it.
- **GROUP C: Animoto** Animoto is an automated presentation generator that focuses on using images to communicate a message. This tool is great for class collaboration and it is easier than using PowerPoint. <http://animoto.com/>
- **GROUP D: Rock You.** <http://www.rockyou.com/index.php> It has many of the same features as Moblyng It's easy, has lots of options, doesn't require registration, and seems just a little easier to use.
- **GROUP E: My Jugaad.** <http://myjugaad.in/> New Web tool that allows you to easily make slideshows of webpages and post/share links to them. You're also able to write descriptive notes about each slide
- **Group F : PhotoPeach** <http://photopeach.com/>

## PODCASTING and AUDIO EDITING

**Demo** - Audacity with Podcasting - <http://audacity.sourceforge.net/>

**Demo** - Listen to a sample PODCAST from WGBH ...CLCIK HERE

[http://www.toolsforthe classroom.com/Marshall%20Jr.%20and%20Louise\\_short.mp3](http://www.toolsforthe classroom.com/Marshall%20Jr.%20and%20Louise_short.mp3)

**Demo** Record a sample PODCAST – Script here – demo Podship Huskerprize – NEE 6 participants

Edit a Podcast and add music:

Audio Grabber <http://www.audiograbber.com-us.net/> a secondary Aidio Editor

## MUSIC

- Free Play Music [www.freeplaymusic.com](http://www.freeplaymusic.com) - Download 2 songs

**Demo** - Jamendo Free Music <http://www.jamendo.com/en/>

## More Web 2.0 Ideas

**Demo** - [Yack Pack](#)

Internet-based voice communication tool that works a lot like voicemail for the Web. Users define a "pack"--a group of individuals they want to communicate with--and then record messages for the group, an individual, or even a subset within the group using a standard computer microphone. When members of the pack log in, they can listen and respond to the messages.

**DEMO** - [Book Goo.](http://bookgoo.com/) <http://bookgoo.com/> It's a new tool that lets you upload documents or webpages and then annotate and share them. Others can also then annotate the same document. You can draw on the documents as well

**DEMO** - Think.com Project site: <http://www.thinkquest.org/en/>

- **Wikis:** Wikis and Wiki platforms, are the most powerful of the Web 2.0 tools. You can do anything with a Wiki," from embedding all kinds of content to promoting collaboration to creating an entire community all on a single platform. CREATING a WIKI:

PB WIKI <http://www.pbwiki.com> Sign UP HERE: for educators: <http://www.wikispaces.com/site/for/teachers>

**CLICK HERE >>>>** Wiki <http://drhowie.wikispaces.com/>

## **WEB PAGES and WEB 2.0 and Other Sample Web 2.0 Web Sites**

**Flowgram**, <http://www.flowgram.com/> an amazing screencasting, link-sharing tool. Flowgram lets you show one or multiple pages on the Web, and, when you're making this screencast, you can move the screen up-and-down to focus on particular areas on the page. You can show videos or images. You can provide an audio commentary, and people can leave comments.

**Webon**, <http://webon.angelfire.lycos.com/> Build your own Web Site

**Google Sky** <http://www.google.com/sky/> To help you explore the far reaches of our universe, we have teamed up with astronomers at some of the largest observatories in the world to bring you a new view of the sky. Using Google Maps this tool provides an exciting way to browse and explore the universe. You can find the positions of the planets and constellations on the sky and even watching the birth of distant galaxies as seen by the Hubble Space Telescope.

**Google Mars** <http://www.google.com/mars/> We've included three different types of data in Google Mars:

**Elevation** - A shaded relief map, generated with data from the Mars Orbiter Laser Altimeter (**MOLA**) on NASA's spacecraft. **Visible** - A mosaic of images taken by the Mars Orbiter Camera. Basically, this is what your eyes would see if you were in orbit around Mars. **Infrared** - A mosaic of infrared images taken by the Thermal Emission Imaging System

**Pixton**, <http://pixton.com/> Comic strips, lets you put them into a virtual "book."

**LetterPOP** Newsletter on the WEB <http://letterpop.com/>

**Gliffy** online diagram software, create professional-looking flowcharts, diagrams, floor plans, technical drawings. Online diagram editor makes it easier than ever to create great looking drawings. [Gliffy](http://gliffy.com/) <http://gliffy.com/>

## **VIDEO CONFERENCE – and Connecting**

**H323 IVC (Interactive Video Conferencing)** <http://www.neuhaus.org/en/cms/80/> Interactive Video Conferencing provides live instruction to participants at your site, allowing teachers and students to interact with instructors as if they shared a classroom. Sample Web site: <http://www.seatrek.org/whatis.htm>

**Tandberg Web Site** <http://www.tandberg.com/products/tandberg-video-conferencing-cppc-v2b.jsp?cid=04US040018001>

**Polycom Web site.** <http://www.polycom.com/>

### **Skype**

This has the potential to improve class participation and collaboration, but it can also help cut costs by providing free voice and video calling to other Skype users worldwide. Some uses of the platform include multi-class and cross-district collaboration, professional development, and virtual field trips.

**Tokbox.** <http://www.tokbox.com/> FREE tool for a video conference call. You can participate with a Webcam or just if you have a mike for audio, and can be used for students in different cities or countries to communicate. NO limit on the number of people who can participate in a cal

## Games And Game Production

Welcome to the YoYo Games Game Maker Wiki

[http://wiki.yoyogames.com/index.php/Main\\_Page](http://wiki.yoyogames.com/index.php/Main_Page)

## OTHER – COOL Web 2.0 TOOLS

Utterli - <http://www.utterli.com> Post one place and send info to all your social networks and contacts

**Kerpoof** <http://www.kerpoof.com/> Kerpoof is a site that provides a variety of creative tools for animation, drawing, and movie creation. Users can choose from a range of preset characters and environmental options, or they can create their own. The site offers drag-and-drop simplicity coupled with advanced animation and editing capabilities that open the platform up to a range of curricular applications.

**Create-A-Graph** <http://nces.ed.gov/nceskids/createAgraph/>

Create-A-Graph is a Web-based tool aimed at giving students an accessible way to learn graphing fundamentals. The tool is easy and flexible, according to Lovely, and allows them to learn important concepts using their own information.

Zamzar- file converter [www.zamzar.com](http://www.zamzar.com)

**Classroom 2.0** - This is where most of my networking beyond my regional area started for me. I joined this Ning network early this year and found that the sharing created richer opportunities to find out what was happening in our Read/Write Web. <http://www.classroom20.com/>

**Google Earth** - When the latest version was released, I was able to embed video into tours, look at the sky, and play flight simulator. Still provides goosebumps to students when they see familiar places from overhead. <http://earth.google.com/>

**Google Reader** - Mfavorite RSS aggregator early this year. I was able to subscribe to certain YouTube vidoes and watch them from within the app, not having to visit YouTube itself. And the fact that there are several Google applications listed in my top 10 occur because I only have to sign in once with the same login/password. [www.google.com/reader](http://www.google.com/reader)

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## Web 2.0 Teaching Tools

These websites are either completely free or have a free version that can be used with small groups of students

**VIRTUAL OFFICES** - online editing and sharing of text files, spreadsheets, chats and emails, calendars, etc.

1. 37Signals.com's Basecamp - <http://37signals.com/>
2. activeCollab - <http://www.teamworklive.com/TeamWork.htm>
3. ProjectSpaces - <http://www.forumone.com/section/services/projectsaces/>
4. TeamworkLive - <http://www.teamworklive.com/TeamWork.htm>
5. Zoho Vitural Office - <http://zoho.com/>
6. SPresent - online flash presentations - <http://www.spresent.com/v2/>

## WORD PROCESSING / TEXT / WIKIS

1. Jotspot - <http://www.jot.com/>
2. Schtuff - <http://www.schtuff.com/>
3. Web Collaborator - <http://webcollaborator.com/>
4. Writeboard - <http://writeboard.com/>
5. Writely - <http://writely.com>
6. [Designing Learning Spaces](#) - Example of a Class using an Open Wiki

## SPREADSHEETS only

1. EditGrid - <http://www.editgrid.com/home>
2. iRows - <http://irows.com>
3. Tracker (Jotspot) - <http://tracker.jot.com/>
4. wikiCalc - <http://www.softwaregarden.com/wkcalpha/>

## DATABASES only - those I don't think any of the Virtual Office have this feature

1. Lazybase - <http://lazybase.com/>
2. My Own DB - <http://www.myowndb.com/>

## MAPPING

1. Map Hacks.net - <http://www.gisuser.com/maphacks/> - for GIS users
2. Quickmaps - <http://quikmaps.com/>

## PICTURE TOOLS

1. Flickr Magazine Cover tool - <http://flagrantdisregard.com/flickr/magazine.php>
2. [Other Great Flickr-based tools](#)
3. Scanr - <http://www.scanr.com/> - scan and send from a photo phone
4. Stickam - <http://www.stickam.com/> - upload photos, videos & audio to post on blog pages

## BLOGS

1. Learning Blogs - <http://learnerblogs.org/> - for K-12 students
2. Uni Blogs - <http://uniblogs.org/> - for University students
3. Edu Blogs - <http://edublogs.org/> - for Education professionals (teachers, etc.)
4. ESL Blogs - <http://eslblogs.org/> - for ESL & EFL educators

## VOICE / AUDIO / PODCASTING

1. Yack Pack - <http://www.yackpack.com/>
2. Utterli - <http://www.utterli.com>

3. Posterous - <http://posterous.com/>

## ONLINE MEETINGS

1. Vyew - <http://vyew.com/>

## ACADEMIC SEARCH

1. Google Scholar - <http://scholar.google.com/>
2. Post Genomic - <http://www.postgenomic.com/>

## CLASSROOM MANAGEMENT - classroom tools that span the needs of Students, Parents, Teachers and School Administrators

1. My Note It - <http://www.mynoteit.com/>
2. Schoopy - <http://www.schoopy.com/>
3. School Tool - <http://www.schooltool.org/>
4. Teach Learning - [Free K-12 curriculum materials on any topic](#)
5. Engrade - <http://www.engage.com/> - online grading tool
6. Moodle\* - <http://moodle.org> - open source course management system (CMS)