

**TEACHING THROUGH TECHNOLOGY  
SOME IDEAS TO PONDER  
SOME METHODS TO “UNLEASH”**

**OR...**

**WHAT ARE KIDS DOING WITH  
TECHNOLOGY AND HOW CAN I USE IT  
AGAINST THEM.**

**FACILITATED BY**

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**ACKNOWLEDGEMENT**

To any and every programmer who has ever created or developed a technological idea that can enhance the education and knowledge of the rest of us; thinking with little regard of his/her own personal prosperity.

# CREATING A WEB TUTORIAL

**OBJECTIVE:** Lets create a quick tutorial and put it on the web. This way our students can refer to it when they need assistance on their assignment.

**RESOURCES:**

ITEM	DESCRIPTION	COST
<a href="#"><u>CAM STUDIO</u></a> <a href="#"><u>and LOSSLESS CODEC</u></a>	A Software Application that will record audio and computer activity.	FREE at: <a href="http://www.camstudio.org">www.camstudio.org</a>
<a href="#"><u>AUDACITY</u></a> <a href="#"><u>and LAME MP3</u></a>	A Sound Recording Software.	FREE at: <a href="http://audacity.sourceforge.net">audacity.sourceforge.net</a>
<a href="#"><u>SUPER</u></a>	A Media File converter that can be used to reduce the size of your "movie file".	FREE at: <a href="http://www.erightsoft.net">www.erightsoft.net</a>
Internet Media Hosting Account	A place on the INTERNET to hold your "movies" for public viewing.	FREE at: <a href="http://youtube.com">youtube.com</a> , <a href="http://teachertube.com">teachertube.com</a> .... etc...
Head Set w/microphone	This is recommended for recording and listening.	\$9.99 and up at any Electronics Retailer.
* Assumption: You have available a Personal Computer that is running Windows XP SP2 and is equipped with a minimum: Pentium 4 (2 ghtz) / 512 mb Ram / 20g + HD / Multimedia connectors (USB, Audio Input-Output		

# CREATING A WEB TUTORIAL

## STEPS TO SETUP:

1. Download the *CAM STUDIO AND LOSSLESS CODEC* from the WEB.
2. Install both software applications.
3. Watch the on-line Video: [Jimmy R's Cam Studio Setup Tutorial](#)
  - o <http://www.youtube.com/watch?v=Kiug3H3c4gk>

## STEPS TO RECORD:

1. Develop a Idea you would like to demonstrate with your computer.
2. Start Cam Studio and Configure (as per video).  
Video: LossLess Codec    Audio: mpeg-3 or Lame  
Region: Full Screen or 320 x 240
3. Press Record Button. Begin tutorial.
4. Press Stop Record Button. Save your file.
5. If File needs further Compressing, use SUPER to reduce file size.
6. Send it up to Your YouTube Account.

## DEMOS AND IDEAS:

Show students how to use some feature in a Software Application.  
Explain the process for accessing and using a particular Web Site.  
Record a video excerpt directly from your computer for educational purpose.

# CREATING A SIMPLE AUDIO PODCAST

**OBJECTIVE:** Give your students a treat! A portable audio lecture from one of your "groundbreaking" monologues. Now they can listen at home, in their cars, on their family weekend expeditions, to your knowledge based, analysis, and thought provoking verbal inquiries. A technological breakthrough to combat the dull and dreary Snow Days that plague the student academic.

**RESOURCES:**

ITEM	DESCRIPTION	COST
<a href="#"><u>AUDACITY and LAME MP3</u></a>	A Sound Recording Software.	FREE at: <a href="http://audacity.sourceforge.net"><i>audacity.sourceforge.net</i></a>
<a href="#"><u>SUPER</u></a>	A Media File converter that can be used to reduce the size of your "movie file".	FREE at: <a href="http://www.erightssoft.net"><i>www.erightssoft.net</i></a>
Internet Media Hosting Account	A place on the INTERNET to hold your "movies" for public viewing.	FREE at: youtube.com , teachertube.com .... etc...
Head Set w/microphone	This is recommended for recording and listening.	\$9.99 and up at any Electronics Retailer.

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# CREATING A SIMPLE AUDIO PODCAST

## STEPS TO SETUP:

1. Download the AUDACITY and LAME CODEC from the WEB.
2. Install AUDACITY. Once installed. Start it up.
3. The first time you use the "Export as MP3" command, Audacity will ask you where lame\_enc.dll is saved.
4. both software applications.

## STEPS TO RECORD:

1. Develop a Script or Speak "off the cuff" about an educational topic.
2. Set your sound source and begin recording. This will be your "LECTURE TRACK".
3. Play back to determine sound quality , etc.
4. Now surf the web or use your own CD's for a music background.
5. In Audacity, choose your sound source: "Stereo Mix" .
6. Now begin recording, start your music. Audacity will record the MUSIC in another track!
7. Now just play with the levels, effects etc. Have a ball.
8. When satisfied, export the project to an MP3 sound file.
9. Upload the mp3 to any device or Web Site for playback.

## DEMOS AND IDEAS:

- A historical lecture on the Civil War with drum and fife background.
- A Lecture on a Classic Fiction with Movie Music Sound Track.

# CREATING AN OLD TIME MOVIE PODCAST

**OBJECTIVE:** Give your students a treat! A portable audio/VIDEO lecture from one of your "groundbreaking" monologues. Now they can listen and VIEW when away from the classroom, to your knowledge based analysis, and thought provoking visuals. A technological breakthrough to combat the dull and dreary Snow Days that plague the student academic.

**RESOURCES:**

ITEM	DESCRIPTION	COST
<a href="#"><u>AUDACITY and LAME MP3</u></a>	A Sound Recording Software.	FREE at: <a href="http://audacity.sourceforge.net"><i>audacity.sourceforge.net</i></a>
<a href="#"><u>SUPER</u></a>	A Media File converter that can be used to reduce the size of your "movie file".	FREE at: <a href="http://www.erightsoft.net"><i>www.erightsoft.net</i></a>
Internet Media Hosting Account	A place on the INTERNET to hold your "movies" for public viewing.	FREE at: youtube.com , teachertube.com .... etc...
Head Set w/microphone	This is recommended for recording and listening.	\$9.99 and up at any Electronics Retailer.
MS/WINDOWS MOVIE MAKER	Software that enables video and audio production with stills or movies	FREE with Windows XP
REHANFX.ORG	Add On Effects for Windows Movie Maker. PIP, Split Picture, Panning	FREE at: <a href="http://www.rehanfx.org"><i>www.rehanfx.org</i></a>

\* Assumption: You have available a Personal Computer that is running Windows XP SP2 and is equipped with a minimum: Pentium 4 (2 ghtz) / 512 mb Ram / 20g + HD / Multimedia connectors (USB, Audio Input-Output

# CREATING AN OLD TIME MOVIE PODCAST

## STEPS TO SETUP:

1. Install the AUDACITY and LAME CODEC from the WEB (as in previous lesson).
2. Download 3 files from the REHANFX Site: (Effects and Transitions)
  - o PAN Zoom Effects
  - o Split Video
  - o PIP (Picture in Picture)
3. Once Downloaded, Install all Add-ons by simply running the setup files.
4. Open Windows Movie Maker, all new transitions and effects should be viewable and usable.

## STEPS TO CREATE MOVIE:

10. All previous Steps are again used for audio production. Create mp3 files.
11. Surf the Web or take your own pictures or video and load them to a folder on your P.C. Called "pics" or "images".
12. Open Windows Movie Maker and import all pictures, sound files, video.
13. Drag the images or sound down to the Story Board/ Time Line.
14. Use and Experiment with Transitions and Effects to create your MOVIE.
15. When complete, save MOVIE FILE.

## DEMOS AND IDEAS:

A historical "Ken Burns" style video of the Civil War or any Timely Topic.  
A Biographical presentation about self, friend, celebrity,  
Use to present a complex math equation or formula.

## WIKIS and BLOGS

**OBJECTIVE:** Give your students another way to communicate their ideas. Do you have quiet types that don't say much in class? Maybe they are annoyed by those that talk too much. Maybe they feel that their opinion will be attacked. For whatever reason, a BLOG can be a great way to open paths of communication with all students.

WIKIS can be great places to pool community thought. Give a group project assignment and give the students an opportunity to practice the cherished art of collaboration.

### RESOURCES:

ITEM	DESCRIPTION	COST
<a href="#">PBWIKI</a> <a href="#">WETPAINT</a> <a href="#">WIKISPACES</a> <a href="#">GOOGLE</a>	Sites that support (host) free WIKI pages.	FREE at: <a href="http://www.pbwiki.com">www.pbwiki.com</a> <a href="http://www.wetpaint.com">www.wetpaint.com</a> <a href="http://www.wikispaces.com">www.wikispaces.com</a>
<a href="#">BLOGGER</a> <a href="#">WORDPRESS</a> <a href="#">GOOGLE</a>	A Media File converter that can be used to reduce the size of your "movie file".	FREE at: <a href="http://www.blogger.com">www.blogger.com</a> <a href="http://www.wordpress.com">www.wordpress.com</a>
FREEWEBS.COM	A WEB HOST that is very user friendly. Create your own Web Site and include Assignments, Blogs.	FREE at: <a href="http://www.freewebs.com">www.freewebs.com</a>
<p>* Assumption: You have available a Personal Computer that is running Windows XP SP2 and is equipped with a minimum: Pentium 4 (2 ghtz) / 512 mb Ram / 20g + HD / Multimedia connectors (USB, Audio Input-Output)</p>		

# WIKIS and BLOGS

## STEPS TO SETUP:

1. Watch the WIKI Demo on You Tube: WIKIS IN PLAIN ENGLISH
  - <http://www.youtube.com/watch?v=-dnL00TdmLY>
2. Watch the BLOG Demo on YOU TUBE: BLOGS IN PLAIN ENGLISH
  - <http://www.youtube.com/watch?v=NN2I1pWXjXI>

## STEPS TO CREATE WIKIS:

1. Go To [WWW.WETPAINT.COM](http://WWW.WETPAINT.COM) and create your own WIKI.
2. Go To [FREEWEBS.COM](http://FREEWEBS.COM) and build your own Web Page.
3. Go To [WWW.BLOGGER.COM](http://WWW.BLOGGER.COM) and create your own BLOG.

## DEMOS AND IDEAS:

View the Blog: Mr. Penza's Words of Wisdom. <http://bdpenza.blogspot.com/>  
Think of the possibilities. Essays on Literature, Math and Science Theory.etc..

View the WIKI: Professional Development Worcester Diocese  
<http://pdworchester.wetpaint.com/>

Again, think of the potential here. Present a group project or collaboration. Have your students begin posting and developing their ideas.

## FINAL THOUGHTS AND RECOMMENDATIONS

- I. Open a FACEBOOK Account and play with it.  
(especially if you have teens)
- II. Buy a cheap headset (under \$20) and use SKYPE.
- III. Surf the Internet for Ideas.
- IV. Remember YOUTUBE has a video tutorial for just about everything and anything.
- V. Keep your ears open for students who discuss  
"Wireshark" "Cain & Abel" "Torpark"  
These are prospective HACKERS.
- VI. Don't ignore COPYRIGHT LAWS. Make sure you've got permission to use internet resources.
- VII. Don't get stressed about the technology. No matter who you are, there is something you don't know about. Tomorrow there will be more. Just enjoy a couple of the fruits and experiment with them.
- VIII. On that last point, please don't let the EGO get in the way of learning new things that will make your teaching experience easier and perhaps more enjoyable.
- IX. Finally, remember that technology will never replace a good teacher. It's just another tool.
- X. Always keep a flash drive handy.

Thanks very much, enjoy the opportunities that surround us.