

Video Production

1. Traditional Video Recording
 - a. Equipment: Hardware/Software
 - i. Video Camera: Mini DV type with external mic input. Canon ZR960 MiniDV Camcorder \$250
 - ii. backup battery \$30
 - iii. wide-angle lens · **Impact** DVS-WA45-37 37mm .45x Wide Angle Converter Lens W/ Macro \$50
 - iv. External Mic: Wireless lapel and handheld. Audio-Technica W88-13-829 Camera Mountable VHF Lavalier Pro 88W VHF Wireless System with Pro88W Transmitter and Receiver and AT829mW Lavalier Microphone \$159
 - v. Lights: Homemade with hardware store lamps, car sun shade
 - vi. Tripod: Fluid head is preferred. Smith-Victor Apollo 2800 Medium-Duty Tripod with 2-Way Head, \$80
 - vii. Firewire cable, \$5
 - viii. Software: iMovie (Mac) MovieMaker (PC) or upgrade to FinalCut Express \$189 (Mac) Adobe Premiere Elements \$44 (PC)
 - b. Techniques to Produce Quality**
 - i. USE a TRIPOD!!
 - ii. Move camera closer. Better audio. More interesting video.
 - iii. Learn and use the rule of thirds.
 - iv. Keep it simple.
 - v. Keep it short.
 - vi. Avoid computer gimmicks.
 - vii. Extra footage before and after shots.
 - viii. Rewind the tape.
 - ix. Label your tapes.
 - x. Faces, faces, faces.
 - xi. Watch out for backlight
 - xii. Credits are BORING! Keep text to a minimum.
 - xiii. Show it, don't tell it.
 - xiv. Shoot video whole class. Other groups are audience.
 - c. Educational Applications
 - i. Lit Circles, Book Talk
 - ii. Impromptu Word of the Week Skits
 - iii. Commercials (Persuasive Writing)
 - iv. Act out writing assignments
 - v. Dramatize court case crimes or conflicts
 - vi. Podcast, Historical reenactments
 - vii. Student teaching a mini lesson on an academic skill
 - viii. School broadcast of lecture/tips

- ix. Fairy Tales
 - x. Student portfolio, reading or talking about themselves
 - xi. current events/news
 - xii. debate
 - xiii. poetry reading
 - xiv. Science Experiments
 - xv. Story Telling (Language Arts, History)
 - xvi. Game shows
 - xvii. News broadcasts
 - xviii. Field Trips
 - xix. Student Reading Progress
 - xx. Interviews
 - d. Internet Links
 - i. VideoMaker.com (Magazine subscription also available.)
 - ii. bhphotovideo.com Purchasing equipment
 - iii. 4th grade teacher's video website
<http://blogs.egusd.net/eettalfonso/>
 - iv. Homemade lighting for video
http://www.ehow.com/how_2364330_make-homemade-photography-lighting.html
 - v. Adobe Premiere
<http://www.pcmag.com/article2/0,2817,2355106,00.asp>
2. Screen Capture
- a. Equipment: Hardware/Software
 - i. Microphone on computer
 - ii. Optional: Webcam, external mic on computer
 - iii. Paint Software. Paintbrush (Mac)
 - b. Techniques to Produce Quality
 - i. Loud audio
 - ii. Pay attention: Do you want Halo, Clicks, and Cursor?
 - c. Educational Applications
 - i. Lessons for sub
 - ii. Absent kids see lessons online
 - iii. Show kids how to use the computer
 - iv. Writing lessons
 - v. Students peer teaching
 - vi. Learning software like how to use iMovie
 - vii. Educate parents
 - viii. Review lessons for students
 - d. Internet Links
 - i. Screencast-o-matic.com
 - ii. FreeScreencast.com (PC)
3. Live Web Streaming
- a. Equipment: Hardware/Software
 - i. Video Camera or Webcam. Low resolution will produce lousy results.

- ii. Firewire
 - iii. Tripod (cheap)
 - iv. External Mic is very helpful.
 - v. Wide angle lens
 - vi. Sound mixer with mics (optional)
 - b. Techniques to Produce Quality
 - i. Put camera on tripod on table
 - ii. Mic the teacher or main speaker
 - iii. Password protect. Change it bi-weekly.
 - c. Educational Applications
 - i. Absent students tune in
 - ii. Graduation ceremony
 - iii. Buddy class tune in
 - iv. Disciplined (kicked out) kids
 - v. Parent reality check
 - vi. Constructivist: allows students to show
 - vii. Principal observation
 - viii. Education of pre-service teachers or mentees
 - ix. Live class, all day.
 - x. Student presentations
 - xi. Back to school night
 - d. Internet Links
 - i. www.ustream.tv (This is the best. Password protectable. Chat box.)
 - ii. www.justin.tv
 - iii. www.camstreams.com
4. Video Conferencing
- a. Equipment: Hardware/Software
 - i. Webcam
 - ii. Audio input on computer
 - iii. LCD Projector
 - iv. Skype software (download for free)
 - b. Techniques to Produce Quality
 - i. One person speaks at a time
 - ii. Prepare questions
 - iii. Prepare speaking order
 - c. Educational Applications
 - i. Interviews with former students, politicians, experts
 - ii. Virtual field trips
 - iii. Meet your pen pals!
 - iv. Literature Circles with another school
 - d. Internet Links
 - i. Skype.com

