

Using Video to Enhance Instruction (notes)

Kellie Binney – kellieb@harker.org

Jeremy Smart – jsmart@shschools.org

Why use video?

- Practical reasons: save class time, avoid teacher repetition, complete unfinished lessons, preparing for performances or presentations, teaching algorithmic processes, assistance for substitute teachers, monitoring student progress, answering student questions online
- Other reasons: audio with dynamic visuals gives students chances to process across multiple senses, novelty, availability (being online allows students to access at any time), accommodating (slow down video, watch multiple times, etc), parent appreciation

Using for Rehearsal/Practice:

- Recording student performances or presentations for personal reflection and critique
- Recording practice aids, which can be sent home to students and families
- Examples:
 - Kindergarten Show Rockin' Robin: <http://www.youtube.com/watch?v=JA59IvLEjrU>
 - Solving Systems of Equations Using the TI-84: <http://www.youtube.com/watch?v=GVbaKYArxFQ&feature=plcp&context=C4df5b94VDvjVQa1PpcFMmQWR7GDvSqduz0kr2cBct80UEZMDVis=>
- Example YouTube channel: <http://www.youtube.com/user/jsmartshp>

Using for Review

- Students can request videos
- Usage spikes before exams
- Ease of accessibility – available at any time for students

Using for Assignments/HW

- Flip teaching
- Videos within e-textbooks (relatively new; hope to see rapid growth in next year)
- Students can catch up despite absences

Things to consider/some pitfalls...

- Accessibility – do all students have equal access to internet?
- Lessons often turn into pure lecture/direct instruction
- Some students will still look for (and find) shortcuts and loopholes...
- Know your audience and their attention span
- Process of creating videos can be time consuming at first, but in long run, can save time for teachers as videos can be reused.
- Copyright laws

Copyright Considerations:

- It is vital to teach ethical conduct to our students
- Check to see if your institution has a licensing agent to help with authorizing use
- Useful links:
 - <http://www.copyright.gov/title17/>
 - <http://lcweb2.loc.gov/diglib/ihis/html/home/copyright.html>

- Keep in mind that (when compared to the general public) educators have different restrictions on fair use of copyrighted materials when using for educational purposes within a classroom

Programs used to create videos

- Microsoft OneNote (part of MS Office Suite)
- Microsoft Community Clips (free video screen capture software)
- YouTube
- Jing (another free video screen capture program)
- Educreations (iPad video screen capture app with excellent uploading times as compared to other iPad apps; videos can be watched using most browsers on any computer)
- Keynote and Pages (iPad and Mac)

Additional links:

- <http://www.youtube.com/teachers>
- <http://support.google.com/youtube/bin/answer.py?hl=en&answer=1686318>