10 Content Delivery Methods
for a Flipped Classroom

Flipping your classroom involves providing students with the opportunity and resources to engage with lectures and other more "passive" learning experiences outside of the classroom so that face-to-face time in the classroom can be dedicated to more "active" learning with greater levels interaction, participation, and experimentation. As such, resources for flipping your classroom involve both *curating* media and content that has already been developed (much like the readings and articles in your course syllabus) and *creating* media that transforms lectures that were normally delivered in class into a format that students can experience outside of class. Below is a list of tools and resources for content curation and creation that will enable you to flip your classroom. Give some a try…

CONTENT CURATION

Advancements in communication technology and the internet have allowed ideas and knowledge to be shared and disseminated at levels that have transformed education and one's access to resources, perspectives, and voices. Educators now have the capacity to curate knowledge in its various digital media forms and use those collections to bring influential voices and perspectives into their courses.

1. YouTube or Vimeo
http://www.youtube.com/t/about_youtube

Do you ever wish you could bring the authors of the readings you assign for your course into your classroom to deliver a guest lecture? Well, that's not totally out of the realm of possibility. Teaching about micro-finance? Search Muhammad Yunus on YouTube and hundreds of lectures by him, interviews with him, and short films about him will pop up. Teaching about environmental sustainability, conflict resolution, or social entrepreneurship? Search Wangari Maathai, John Paul Lederach, or Bill Drayton and similar results will pop up. Chances are if you have assigned a reading in your class, particularly by anyone who is at least moderately well-known or recognized, you can find interviews, short films or lectures by that person on YouTube. As the world's largest collection of online videos with 72 hours of content being uploaded every single minute of every single day, YouTube gives educators the ability to bring some of the most influential voices and stories into their syllabi, allowing students to hear directly from those who developed and advanced the ideas discussed in the course. Some of my favorite YouTube channels for presenting great ideas and perspectives in creative and well-produced ways are:

- *BigThink:* https://www.youtube.com/user/bigthink
- *ThnkrTV:* https://www.youtube.com/user/thnkrtv
- *TheRSAorg:* https://www.youtube.com/user/theRSAorg
- *ForaTV:* http://www.youtube.com/user/ForaTv
- *Edutopia:* http://www.youtube.com/user/edutopia

2. TED Talks

http://www.ted.com/pages/about

TED, which stands for Technology, Entertainment, and Design, began as a yearly conference that brought together leading thinkers and innovators in the above mentioned fields to deliver short presentations on their work to audiences eager to connect with these minds. TED has now blossomed into one of most popular conferences in the world and has spawned a free online video library of well produced, short (20 minute or less) lectures that cover a host of exciting themes and topics. TED speakers have included such well-known thinkers as Bill Gates, Sheryl WuDunn, Majora Carter, and Al Gore. These may be some of the better known names, but some of the best and most watched TED talks are by individuals who you may not have heard of.

- *The 20 Most Watched TEDTalks as of August, 2012*
  http://blog.ted.com/2012/08/21/the-20-most-watched-ted-talks-to-date/
- *Top 20 TEDTalks that can Improve Your Life*
  http://www.lifehack.org/articles/communication/top-20-ted-talks-that-can-improve-your-life.html
- *Ten of the Best TEDTalks on Improving Education*
  http://www.teachthought.com/trends/10-of-the-best-tedtalks-on-improving-education/

3. Intelligence Squared

http://intelligencesquaredus.org/about

Intelligence Squared is a debate series hosted in both the UK and the United States. Over the years these Oxford style debates have explored hundreds of contentious and important current issues. The debates involve two teams – one arguing in favor of a proposition and the other against – and each team is made up of two individuals who are thought leaders in that field. Many of debates are archived and available in both video and audio formats. To get a sense of the diversity of issues that are covered, here are some of my favorite debates to date:

- *The Rich Are Taxed Enough*
  http://intelligencesquaredus.org/debates/past-debates/item/775-the-rich-are-taxed-enough
- *Obesity Is the Government's Business*
  http://intelligencesquaredus.org/debates/past-debates/item/536-obesity-is-the-governments-business
- *The Two Party System Is Making America Ungovernable*
  http://intelligencesquaredus.org/debates/past-debates/item/560-the-two-party-system-is-making-america-ungovernable
- *Organic Food Is Marketing Hype*
  http://intelligencesquaredus.org/debates/past-debates/item/578-organic-food-is-marketing-hype
- *Aid to Africa Is Doing More Harm than Good*
  http://intelligencesquaredus.org/iq2-tv/item/671-aid-to-africa-is-doing-more-harm-than-good

4. iTunes U

http://www.apple.com/education/itunes-u/

iTunes isn't just for music anymore. Thousands of college and university courses are now providing audio and video lectures for free through the iTunes media library. In fact, you can set up your own iTunes account, record your lectures, turn them into podcasts, and have them available through iTunes, as well. In fact, TED has created their own collections of talks based on various themes – media and journalism, linguistics, sustainable consumption, government and politics, and more. One of the nicest and most convenient things about iTunesU and podcasting lectures is that students can listen to these lectures in a variety of settings – in the gym, commuting, laying in bed, sitting in a coffee shop, etc. It provides learners with so many other opportunities and spaces to experience a lecture.

5. Khan Academy

http://www.khanacademy.org/about

The Khan Academy was born out of the work of Salman Khan, who took to making and posting YouTube videos on basic math lessons for his young cousins. With the help of a digital writing tablet, he was able to speak about complex math problems and theorems while at the same time using a "digital blackboard" to show his work. His videos were so useful and effective in communicating these ideas that people around the world started watching and using his YouTube videos to learn those lessons. Khan now has videos on a host of topics, mostly of them on math, economics and computer science, and ranging in levels of complexity. The Khan Academy website also has short quizzes built into the video watching experience to test for understanding as viewers make their way through the various lessons. Here are some examples of Salman's videos:

- *The Fiscal Cliff*
  http://www.khanacademy.org/humanities/american-civics/v/the-fiscal-cliff
- *Newton Leibniz and Usain Bolt: Why We Study Differential Calculus*
  http://www.khanacademy.org/math/calculus
- *Cell Division*
  http://www.khanacademy.org/science/biology/cell-division/v/chromosomes--chromatids--chromatin--etc

CONTENT CREATION (AUDIO + VIDEO)

Advancements in technology have not only increased sharing and dissemination of content, it has also brought down the cost of hardware, software, and media production, giving more people the capacity to capture and preserve their own ideas and present them in engaging ways. If you repeat some of the same lectures every semester, using one of the tools below may give you the flexibility to provide that same lecture to your students outside of class, which they can watch or listen to on their own time, giving you the ability to open up face-to-face time in the classroom for more discussion or participatory engagement around the ideas presented in the lecture.

6. Panopto

http://www.american.edu/library/technology/lecture_capture.cfm

Panopto is a video capture and management platform designed for educators. The platform allows you to record and/or webcast any of your lectures directly from your laptop. If you are at your best lecturing in front of an audience, this would be a good option for you. If you deliver a really powerful and effective lecture one semester, Panopto ensures that you will have a recording of that lecture and can then make it available in future semesters.

7. iMovie

http://www.apple.com/ilife/imovie/

iMovie comes pre-installed on every single Mac computer and is a user friendly, yet fairly advanced video editing software. Once you become familiar with the program, iMovie can help you turn your lectures into a more visually engaging and dynamic viewing experience by inserting archival footage, excerpts from other videos (interviews, speeches, etc.) images, and music. Once you are done producing your video, iMovie allows for direct upload to your YouTube account, which allows you to share those lectures with your students via a weblink.

8. Sound Cloud or AudioBoo

https://soundcloud.com/
http://audioboo.fm/

Both SoundCloud and AudioBoo are free audio posting websites that allow you capture, store, and share interviews, lectures, and other audio based content. The free versions of these platforms limit either the total amount of time for your entire audio collection, in the case of Sound Cloud, or limit the total amount of time you are given for each individual recording, in the case of AudioBoo. There are, of course paid options that provide users with more time. However the free versions are more than capable of handling basic lectures and interviews. Lastly, both AudioBoo and SoundCloud have smart phone apps that allow you to record, upload, and share your lectures directly from your phone.

9. YouTube's Online Video Editor

https://www.youtube.com/editor

One no longer has to purchase video editing software to make simple cuts, add title sequences, provide translations or subtitles, input background music and transitions, of insert hyperlinked text that can take viewers to other websites. YouTube has a web-based video editing service that allows you to do all of the above at no cost to you. All you need is a reliable internet connection and your videos uploaded onto YouTube. So, for example, if you have uploaded a web cam video of yourself onto YouTube and would like to insert video examples of what you are referencing (e.g. Dr. King's "I have a dream" speech, or the Stanley Milgram experiment, etc.) or would like to insert links to that take students to articles that you reference in your video, the YouTube video editor give you that capacity.

10. Slideshare/Slidecast
http://slideshare.net

Want to do more than just share printed copies of your PowerPoint slide deck with your students? After all, what about all the verbal information you shared during your lecture as you took them through the presentation? This is where slidecasting comes into play. Slidecasting is a feature provided on the website, http://slideshare.net, which allows people to upload and share their PowerPoint slides online. Slidecasting adds the option of adding an audio file that is synced up with each of the slides in the deck. So, in some ways, slidecasts are visual slide show (e.g PPT presentation) with and audio track overlay. To learn how to make a slidecast, check out this video. Here is an example of a few slide casts:

- ***Digital Tech, New Media, and the Internet in Nonviolent Struggle***
  http://www.slideshare.net/daryncambridge/digital-tech-new-media-and-the-internet-in-nonviolent-struggle