

# Lessons Learned in Flipping Online Classrooms to Apply in Your School COSA 2015

Aaron Cooke & Jamie Voelker  
Oregon Virtual Academy

## Introduction

This session will focus on lessons we've learned designing a flipped classroom approach to engage our students. We will highlight approaches that can be used in a wide range of classrooms including yours. It will also examine resources that students can use to demonstrate understanding through solo and group work during live classes.

## Starter Video

To peek your interest this video illustrates the types of things you'll see and why we flip and so should you!

## Presentation

[Link to Prezi](#)

## InfoGraphic

E-Learning Strand <http://elearning-cosa.strikingly.com/>

---

## Supplemental Resources

### Flipped Classroom Information:

- [Flipped Learning Network](#)
- Video explanation by [Jon Berman](#), one of the originators of flipping
- Another overview of flipping, by [Aaron Sams](#) one of the originators of flipping
- Overview of [Flipped Learning pedagogy](#) and lesson planning by User Generated Education
- [New York Times article on Flipping:](#)
- New York Times editorial on [Flipped Mastery Learning](#)
- [Flipped Learning: A Response to Five Common Criticisms:](#) good reminders about what not to do when flipping
- [The Flipped Classroom: Pro and Con](#) by Mary Beth Hertz

### **Online video resources:**

#### **Examples of ORVA Starter Videos:**

[Art](#)- 7 min video lesson on Symmetry in Art

[Science](#)- 1 ½ min video starter on Chemical Formulas and Physical Science

### **Open Source Starter Video Resources:**

**You tube:** [www.youtube.com](http://www.youtube.com)

- [Crash Course](#). Excellent short videos for a variety of subjects
- [EconMovies by ACDC Leadership](#). Economic concepts explained with movies!
- [Tyler Dewitt](#). Chemistry videos
- [Veritasium channel](#) - excellent science videos
- There is a lot out there!

**Teacher Tube:** Videos on all subjects, submitted by teachers: [www.teachertube.com](http://www.teachertube.com)

**Vimeo:** Upload, share, and view videos: <https://vimeo.com/>

**Slideshare:** free PowerPoint videos on any topic: <http://www.slideshare.net/>

**TedEd:** Use lessons created by TedEd community members or create your own:  
<http://ed.ted.com/>

**Phet Simulations:** Simulations for all areas of science created by the University of Colorado Boulder (especially useful for physics and chemistry):  
<http://phet.colorado.edu/>

**Khan Academy:** math, sciences, arts, and humanities  
<https://www.khanacademy.org/>

**Knowmia** – over 25,000 short video lessons: <http://www.knowmia.com/>

**Dan Meyer's 3 Act Math Tasks:** math lessons with videos and lesson plans:  
<http://tinyurl.com/dmeyer-3act>

**Estimation 180:** middle school math lessons: <http://estimation180.com>

**Elementary 3 Act Math Tasks:** math lessons with videos: <http://tinyurl.com/elementary-3act>

**Robert Kaplinsky's K-12 Math Lessons:** math lessons with video:  
<http://robertkaplinsky.com/lessons/>

### **Collegiate Lectures!**

**LearnersTV:** <http://www.learnerstv.com/videos.php>

**Academic Earth:** <http://academicearth.org/>

**Open Culture:** <http://www.openculture.com/freeonlinecourses>

**Coursera** <https://www.coursera.org/>

### **Sites to make the most of your videos**

**Educanon:** an online learning environment to build and share interactive video lessons. Use your favorite videos to create interactive lessons and online quizzes:

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

**EDPuzzle:** crop, add voice over, and embed questions with this site.

<http://edpuzzle.com/>

**Safeshare:** This site removes advertising and community comments from your YouTube video so that they are “safe” to share anywhere: <http://safeshare.tv/>

**TubeChop:** allows you to chop youtube videos and eliminate advertisements for student safety.: <http://www.tubechop.com>

### **Tools for Making Your Own Videos/Screencasts:**

**Jing** – free, for screencasts that are only a few minutes long. Also good for screen captures.

**Camtasia** – like Jing, but more powerful, and not free.

**ScreenFlow** (for Mac)

**GoAnimate** – make animated videos yourself

**Flipped Class Video Repository** – a collection of videos uploaded by teachers – these could be good examples to inspire and help you make your own.

**Screencast-o-matic:** Create short videos (15 min max).

**Screencastify**- free google product that allows for webcam embedding, screen captures, Powerpoints, etc. (10 min max).

### **Resources for online collaboration:**

**Google Drive** – create, share, and collaborate on documents online. \_

**Google Apps for Education** – free Web-based email, calendar, & documents for collaborative study.

**YuJa** is a free site where you can post videos/questions and students can comment. You can also hold a hangout regardless of what email domain your students use.\_

**Thinkbinder** - online private study session (like Facebook) but only invite specific people. Can post items and notes and follow thoughts.

**Examtime** – students create, share, and discover study resources. They can build and share mind maps, flashcards, quizzes, and notes for free.

**Dropmark** – virtual collaboration site (upload files, collaborate, present online – PowerPoint not needed).

**Meetings.io** - set up free video conferencing for up to five people. Watch videos together: \_

**Slatebox**, **MindMup**, **Realtime Board** – three different collaborative mind-mapping/visual learning/note taking sites – like a chalkboard in the cloud, only better.

**Watch2Gether** – watch and comment on videos.

### **Other Tools and Resources:**

**Socratic.org** – ask just about any science question and get an amazing answer:

<https://socratic.org/>

**Quizlet** – students and teachers can create online study materials here, or use materials created by others: <http://quizlet.com/>

**Thinglink** – teachers or students can create interactive images:

<https://www.thinglink.com/learn>

**Symbaloo** – access your bookmarks from anywhere, because they are stored in the cloud. Teachers can create “webmixes,” list of bookmarked resources, and share them with students: <https://www.symbaloo.com/home/mix/13eOck1fiV>

**Poll Everywhere** – kids can answer in-class polls instantly using their cell phones, results immediately display onscreen: <http://www.polleverywhere.com>

### **Infographic Makers:**

<http://piktochart.com/>

<https://venngage.com/>

### **Search Engines:**

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

<http://scholar.google.com/>

### **Stock photos that don't suck:**

<https://medium.com/@dustin/stock-photos-that-dont-suck-62ae4bcbe01b>

My favorites :

[Unsplash](#)

[Little Visuals](#)

[Death to stock photos](#)

[New Old Stock](#)

### **Slide Ideas!**

<http://www.slideshare.net/damonnofar/8-tips-for-slideshare>

<http://www.slideshare.net/itseugene/7-tips-to-beautiful-powerpoint-by-itseugenec?related=1>

<http://www.slideshare.net/itseugene/quick-dirty-tips-for-better-powerpoint-presentations-faster>

### **Fonts:**

They are important!

Please never use Comic Sans

[Understanding fonts](#)

Add some cool fonts to your system:

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

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

### **Blogs and Inspiration:**

k12's parent blog

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

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

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

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