

Flipping Your Professional Development: Using flipped-classroom strategies to maximize outcomes with your professional team COSA 2015

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Introduction

The flipped classroom model has been shown to increase student engagement by maximizing the time in class for interactive and collaborative activities. Learn how these concepts and tools can be applied to working with your staff. Participants will be shown strategies currently in use that are focusing professional development time on collaboration and improving student performance.

Presentation

[Google Link](#)

[Infographic](#)

Digital Examples

[Rita Pierson](#)

[Google Docs](#)

[SharePoint Survey](#) (part of 365)

[Exit Survey](#)

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

- **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

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 your 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-itseugene?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>