VASSP Roundtable 2015: **Flipping the Classroom** Developed by: Jeff and Alina Marsh **Questions/Main Ideas:**	Name: _____ Period: _____ Date: _____ **Objectives:** **I will understand why flipping the classroom is an effective teaching strategy.** **I will gain some ideas for how to effectively flip the classroom.** **Notes:**
Jeffrey.Marsh@lcps.org Alina.Marsh@lcps.org	**Flipping the classroom means** the students will watch a video tutorial (normally the "lecture") outside of the classroom on their own and do the practice sets (normally the "homework") in the classroom where the teacher can facilitate understanding, application, and enrichment. **Why flip the classroom?** - caters to all ability levels - students can pause/rewind/re-watch the lesson anytime - students enter the classroom with a working knowledge of the material - students are more engaged in their work and discussion in the classroom - encourages peer interaction - students can work at their own pace - more time is available during class for application and enrichment - the frustration level is lowered because practice sets are accomplished in the classroom - allows for a better teacher-student relationship - students can keep up with lessons whether present or absent **What does our data show?** - grades improved during the grading periods where flipping the classroom was implemented - students felt that they learned the material better in this environment - most students were able to watch the tutorials on a home computer or mobile device - students generally enjoyed watching the tutorials and liked the practice set process **Why record our own lessons and not use others' prerecorded materials?** - it is time-consuming to find quality tutorials that fit exactly into our curriculum - we are able to create and edit to exactly what we want **Implementation:** 1. Beginning of year – Give students a document to inform parents and gather data on what materials and internet capabilities they have to watch the tutorials. 2. First day of school – Take the students to the computer lab to train them how to find the tutorials. They watch the first tutorial and take notes. 3. Beginning of each class – Students take a three-question entrance quiz based on the previous tutorial. After an appropriate amount of time, the teacher goes over the answers. Students pair with each other based on their scores. 4. During each class – Most of class time is used to complete the practice sets while the teacher walks around to check notes, answer questions, and guide instruction. 5. End of each class – Students take a three-question exit quiz based on the practice.

How do I record and post my own tutorials?
Materials we use: Snagit software for recording, blue tooth wireless headset, Promethean board, and Freemake software for editing.

How we do it:
1. We make a flipchart of our notes.
2. We do a screen capture with Snagit of what would have been our "lecture".
3. If necessary, we edit the tutorial with Freemake.
4. We post the tutorial to our website along with a blank copy of the notes and a pdf of the completed notes.
5. We include links to any additional websites that we feel can help the students gain more understanding or get more practice.

Additional ideas that can improve your instruction:
- Include pauses and leading questions in the tutorial to give students opportunity to write questions and/or make predictions in their notes.
- Use a program such as TechSmith Relay to imbed quizzes that help the students to check for understanding while watching the tutorials.
- Include animations, call-outs, and video clips in the tutorials.
- Use Remind to text students reminders to watch the tutorials, study, brush teeth, etc.
- Use Twitter to share ideas/comments/questions about tutorials anytime/anywhere.
- Use a discussion forum through a classroom management system such as VISION to facilitate discussion outside of the classroom.

Where can I read more about flipping the classroom?

J. and A. Marsh Flipping Tutorial (at the bottom of the website)
http://www.lcps.org/Domain/3585

4 Tips for Flipped Learning
http://www.edutopia.org/blog/4-tips-for-flipped-learning-joe-hirsch

Classroom Management and the Flipped Class
http://www.edutopia.org/blog/classroom-management-and-flipped-class-jon-bergmann

Modifying the Flipped Classroom: The "In-Class" Version
http://www.edutopia.org/blog/flipped-classroom-in-class-version-jennifer-gonzalez

Summary: