The Flipped Classroom

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- https://www.youtube.com/watch?v=tY7B3k95JqU
Why I Flipped My Classroom...

► As a 23 year veteran of teaching, and a teacher who has always been passionate about mathematics, I have ALWAYS been trying to find ways to differentiate.

► I team taught with the special-ed teacher and we created a model where we tracked our students called it the “differentiated math class” to try to close the achievement gap for those students that were 2+ years below grade level.

► Then with CCSS, and Bonduel went 1:1... I took a leap.
Why I Flipped my classroom?

- I saw a brief presentation at a math Conference and was initially interested because we are 1:1 in Bonduel. However, I really did not think I would get administration, parents, and students on board.

- Then a parent asked me about it at Saturday Morning Basketball, he heard about it on Public Radio...Then I started researching it...
Aaron Sams...

- https://www.youtube.com/watch?v=4a7NbUlIq&t=32
How I am structuring my Flipped Math Class?

- I assign a math video every other night. So, 2-3 videos a week.
- They then come back the next day and we review a few problems to determine understanding.
- I group them to differentiate based on how they did on the practice problems.
- They then work on their “homework assignment” in class where they can work with me.
What is good about it?

- Students are with me to get help if they need it.
- There is very little late work.
- Parents are complaining less about CCSS.
- I am able to truly differentiate for both the high and low students in my math classes.
- Students can re-watch videos if they need to if they don’t understand a concept.
What are the problems I am encountering?

- Students do say they are having internet issues.
- Do have some families (2 or 3) that are anti-technology.
- The time it takes to make the videos (I come in during the weekend and it takes me about 2 hours to make 2 videos. Once I set it up and get it ready and record.)
- Some students complain about the video quality constantly.
Types of Videos?

- Video taping myself, using a Skype Camera Kit, teaching the lesson from my online textbook.
- Middle School Students benefit from seeing their teacher. However, using a Smart board, the video quality is not great...
- Camtasia~ the video quality is MUCH better, but the students do not get to see you as the teacher.
- Educreations is also another possibility, but again, you are not able to be seen only heard.
Edmodo

- Edmodo is a "social learning platform" website for teachers, students, and parents. It is marketed as the Facebook for schools.
- I use Edmodo to upload the link to my math videos. This allows easy access for the parents and the students.
- https://bonduel.edmodo.com/home#!/
Video Samples...

- [https://www.youtube.com/watch?v=rSCVBCx6ziM](https://www.youtube.com/watch?v=rSCVBCx6ziM)
- [https://www.youtube.com/watch?v=ZVrB87_oNrl](https://www.youtube.com/watch?v=ZVrB87_oNrl)
How do I get the videos to my students?

- I store them on our network. You are going to want the videos to be stored somewhere your students can access them.
- Students can then download the videos to their device if they do not have access to the internet.
- I also upload the videos to YouTube. I place a link on my Math Edmodo Page so the students can easily access it.
What has been the Parent Response?

- Parents have overall been very positive.
- I actually have had three parents contact me and tell me that they are watching the videos themselves and are learning math that they have always struggled with.
- Several parents have told me at conferences or through normal communication that they enjoy this format because their child is not struggling with math, or they don’t have to now help their child with math!
What has been the student response?

- I asked my students and this is what some of their responses:

  - It allows those students that need extra help to get it at school from Mrs. Schaal. Before, we would go home and try to do our homework and our parents couldn’t help us, now we are at school and Mrs. Schaal is right there to give us help.

  - It also has cut down on the amount of homework we have. Because we now do our problems in class and mostly get them done before class ends.

  - Students don’t have to be afraid to ask a question or worry about feeling dumb, they can now just re-watch the video in the privacy of their own home free of distractions.
This has also really cut down on the amount of late work. Since we have time in class to do our work, most students get it done so we don’t have students not doing their homework. We also don’t have as many students doing poorly on assignments and having to make corrections. I think that is because they can re-watch the video, so they understand it better, and they can also ask for help.

We get to work at our own pace. If we understand a concept, we can fast forward through parts of the video, if we were in class, we couldn’t do that. By watching a video you get to really make the teaching to your own individual needs.
Meet Jared…

- Jared is an exceptional math student. He is considered Gifted and Talented in the area of Math.
- He has found math to be boring because he is so advanced compared to his classmates.
- This is what Jared had to say about my math class after I flipped…
Meet Riddik...

- Riddik is a middle ability seventh grade student, a B student who is your typical student in the middle.
- This is what Riddik had to say about my math class after I flipped...
I am able to truly differentiate. At Bonduel we are fully included, so I have **ALL** seventh graders. I have varying degrees of ability in the same class and I struggle trying to find a way to meet the needs of all of my students. By Flipping, I can really do that by challenging the high and differentiate and modify for the students with disabilities.

Math is really difficult for many students. Especially in when you get to the middle level and are in seventh and eighth grade. By flipping, I feel my time as an educator is utilized at such a greater degree. I am able to challenge my bright students with enrichment problems, while I am also working with the students that are struggling up at a table in my room.
What if students don’t watch the video?

- They then have to watch the video during class and fall behind on work time in the class on the problems we would be doing.
- I consequence them to make up this time and they give up their noon hour, and are placed on noon detention to make up some of that time.
- Students learn quickly to watch the video so they can get their work done so they don’t have homework.
Bad Reasons to Flip...

► Because you think it will create a 21st-century classroom.
► Because you think you will become cutting edge.
► Because you think flipping your classroom exempts you from being a good teacher.
► Because you think it will make your job easier.
The Flipped Classroom vs The Traditional Classroom

- https://www.youtube.com/watch?v=yzMFdDT6FSA
Other ways to Flip~

- Modified Flipped Classroom In Class Version:
  
  - [https://www.youtube.com/watch?v=hhq3Yn_QgIA](https://www.youtube.com/watch?v=hhq3Yn_QgIA)
Which Way to Flip is Right for You?

While the flipped classroom strategies at play may be different in every school, the central goals for all remains the same:

- Make the classroom environment more engaged and interactive
- Help educators quickly identify which students would benefit from additional instruction
- Ensure that students leave the classroom not dreading another homework assignment but instead, ready to apply the knowledge they learned before class and practiced in class.
Getting Everyone on Board

- [Link](https://www.youtube.com/watch?v=PwFmRKrDFjc&t=113)
- I sent home a letter to all the parents of my students explaining the Flipped Classroom
- I had held a parents night to show what it would look like and answer questions
Programs you can use to Flip

- Camtasia
- Educreations
Camtasia Tutorial

- https://www.youtube.com/watch?v=cTGrAlNZL6Q
- https://www.youtube.com/watch?v=HJAYlh7SF
- https://www.youtube.com/watch?v=O2lh3S9kirg
- https://www.youtube.com/watch?v=vG-xuHpuaDA
- https://www.youtube.com/watch?v=F5XvBwGRIi4

Educreations~

- https://www.youtube.com/watch?v=KvytBvIJfY0
- https://www.educreations.com/register/
Handouts and Resources~

- Flipped Parent Letter Sample
- Book: *Flip Your Classroom Reach Every Student in Every Class Every Day* By Jonathan Bergmann and Aaron Sams
- Article: *Ten Questions You Should Ask Before You Flip Your Classroom* by Jon Bergmann
- Camtasia Hot Keys
- [http://flippedclass.com/visit-a-flipped-classroom-up-and-personal](http://flippedclass.com/visit-a-flipped-classroom-up-and-personal)
Innovation in General..

https://www.youtube.com/watch?v=sBPKoTr-XnQ

► Is there an issue you care about that you like to see fixed?

► Productive Failure is important, it is the Key to Success! It’s Okay to Fail! Take a Chance!

► Is there some issue you care enough about that you would like to see fixed? What is that issue?
http://www.shawanoleader.com/articles/2014/02/26/bonduel-math-teacher-flips-her-classroom
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