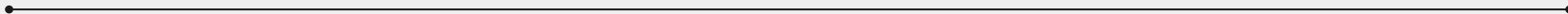




# The Flipped Classroom

ATLIS ALI -Team 1





# What is a Flipped Classroom?

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- Opposite of traditional classroom
- Passive observation and listening done at home
- Active completion of assignments and practice in school with teacher



# Module 1: Why?

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- Active learning done with teacher
- Increased time in classroom for practice and work.
- Equity of Instruction
- Ability to review using original lesson
- Self-Paced learning for neuro-atypical students
- Lessons can be reused year after year



# Module 2: Hardware

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“People who are really serious about software, should make their own hardware.” -Alan Kay

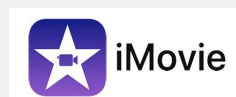
Technology is crucial to flipping your classroom. You have basic and advanced options. Let's explore both.

- What's need to get started:
  - Computer and webcam
- Advanced hardware options:
  - iPad & Accessories
  - Condenser microphones
  - Interactive boards & Apple TVs.
  - Panoramic cameras or other video cameras
  - Unused A/V equipment that was meant for Covid pandemic

# Module 3: Software

“I flipped my class because even though I was receiving high student evaluations, and my students were doing well on their exams, I realized they actually didn’t understand even the most basic, fundamental concepts in physics. This was a turning point in my teaching career.” - Dr. Eric Mazur, Harvard University

- Start small - flip a small topic
- Whatever software you have available is the right software
- Student needs and desired outcomes should inform choices
- Google Slides now has a record feature. This is a great starting point for beginners



**IPEVO Visualizer**  
For Document Cameras



**edpuzzle**



Google Slides

Camtasia



**Notability**

# Module 4: Pitfalls/Lessons

**Quote: “I like being able to rewatch videos when I am absent”- TMS student**

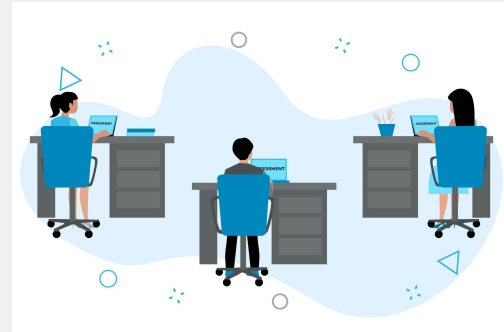
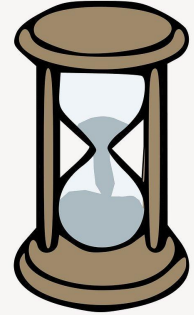
Pros:

- Helps students learn at their own pace
- Absences can be made up easily

**Quote: “I hate my flipped Geometry class because all we do is watch videos. I don’t learn that way.”- TMS student**

Cons:

- Is not equitable in terms of internet service
- Students can get bored with staring at the screen all day
- Must be done in chunks, not all the time.



# Module 5: Next Generation with AI

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The next generation of a flipped classroom is closer than you think!

- Preparation Assessment
- Personalized Learning at Home
- Assessment & Feedback
- Repetitive Improvement



**Flint**

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# Thank You!

**Andrew Farman** - The Village School of Naples

**Andrew Kaminski** - Crystal Springs Uplands School

**Dawn Trujillo** - The Meadows School

**Ethan Greenberg** - The Lovett School

**Justin Karels** - The Blake School

