

Embracing Technology in the Classroom

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Agenda

- ▶ Flipping the classroom
 - ▶ Apps and Web Resources
 - ▶ Sharing ideas
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What is a “flipped” classroom?

- ▶ The exact opposite of the historical method
 - Homework is done AT SCHOOL
 - Lecture is done AT HOME
- ▶ HOW?
 - Lectures posted online
 - Podcast
 - Original teacher-created video
 - Other relevant videos from the web

The Basics...

At HOME

- ▶ Students watch lectures
- ▶ Basic knowledge base is built

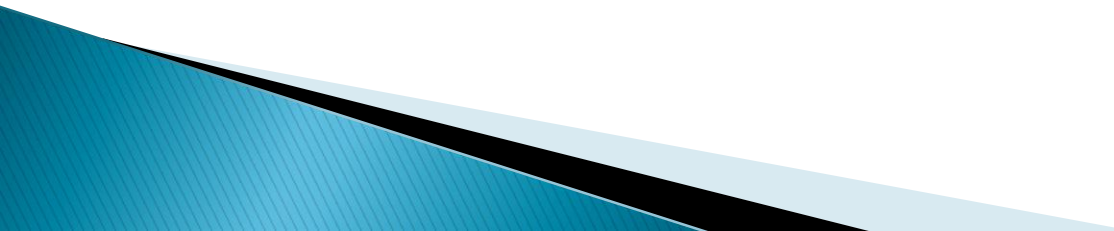
At SCHOOL

- ▶ Students complete homework with guidance
- ▶ Group projects are completed
- ▶ Questions are clarified
- ▶ Interaction increases

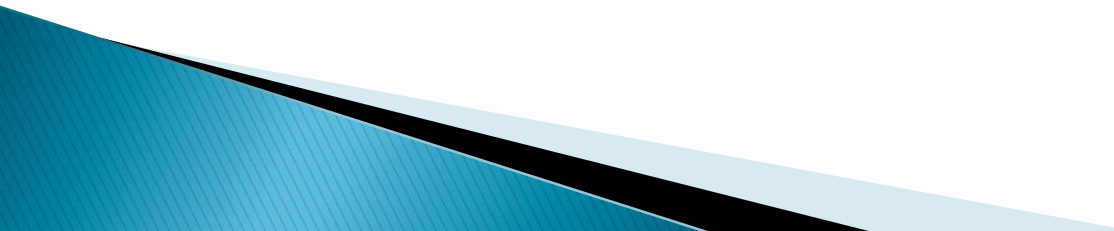
Why “flipping” makes sense

- ▶ **HOMEWORK** in the traditional setting
 - Problems /worksheets /questions /essays are completed at home
 - Students who have questions may pose them to parents
 - Parents were not at school for the lecture
 - Parents are often lost/too far removed from material
 - Students struggle with no resource
 - Homework is incomplete, copied from others, etc.

Why “flipping” makes sense

- ▶ LECTURE in the traditional setting
 - Classroom distractions
 - Material is presented once
 - No ability to pause, rewind, repeat
 - Absent students miss out
 - Parents are not present
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The Flipped Classroom

- ▶ Paradigm Shift
 - ▶ A significant change in structure to reflect the significant change in our world
 - ▶ Hesitation/reservations are expected
 - ▶ Student response is overwhelmingly positive
 - ▶ Practice of skills and involvement increases
 - ▶ Remediation becomes easier
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When we “flip” the classroom...

At HOME

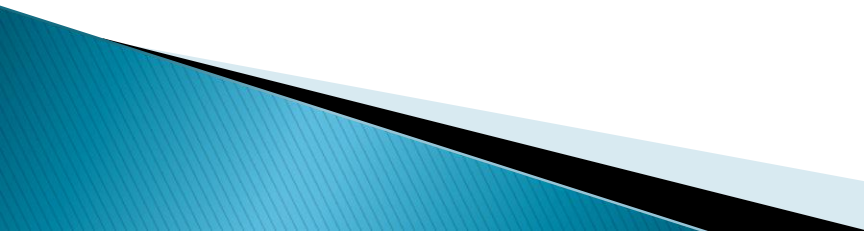
- ▶ Students can view/listen multiple times
- ▶ Parents can join

At SCHOOL

- ▶ The basics are out of the way
- ▶ Higher order skills take place in the room
- ▶ Teachers can spend class time interacting/guiding

*The technology makes the classroom a
MORE PERSONAL environment with
MORE FACE TO FACE interaction.*

Creating a lecture video

- ▶ One take
 - ▶ Up close and personal
 - ▶ Can use “paperslides”
 - ▶ Short (5–10 minutes) is possible because
 - No review
 - No questions
 - No classroom management
 - It’s like fast-forwarding through commercials!
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Implementation

- ▶ At your comfort level
 - One class at a time...one unit at a time...
- ▶ Videos
 - Stored on site of choice (based on district guidelines)
 - Youtube
 - Schooltube
 - Google Docs

The results

- ▶ You lecture ONCE
- ▶ Students hear the lecture UNLIMITED times

Resources

- ▶ The Friday Institute for Educational Innovation
 - OUTSTANDING website
 - <https://www.fi.ncsu.edu/project/fizz/>
 - Do a Google search for Katie Gimbar to see a successful flip model in action
- ▶ Leaders in the field
 - Jonathan Bergmann and Aaron Sams
 - Book: *Flip Your Classroom: Reach Every Student in Every Class Every Day*

Apps and Web Resources

- ▶ Socrative
- ▶ Class Dojo
- ▶ Evernote
- ▶ Class Buddy
- ▶ Google Earth
- ▶ Kaka Flashcard
- ▶ Blackboard Mobile Learn (to be used with Blackboard CourseSites)
- ▶ Search Apps with keywords
 - Sight words
 - Spelling
 - Phonics
 - Grammar

Web Resources

- ▶ **Planbook**
 - Online lesson plan book
 - Printable, reusable, available to students
 - Tutorials to help you get started
- ▶ **QRStuff.com**
 - Custom QR codes
 - Many educational applications
- ▶ **StudyStack.com**
 - Flashcards for students
 - Categorized by subject
 - Create your own flashcards
 - Links for other flashcard sites
- ▶ **Quizlet.com**

Web Resources

▶ Dipity

- www.dipity.com
- Timeline generator
- Holds images, text, video

▶ Screenast-O-Matic

- Record a lesson—share with students
- Students can record
- No account needed

Web Resources

- ▶ www.myt4l.com

- Rubric maker
- Graphic organizer maker
- Bibliography maker

- ▶ Blackboard CourseSites

- ▶ Webs.com

- ▶ Prezi

- Zooming presentations
- Create your own
- Students can create
- Search for saved Prezis to use in your instruction