

# Flipping Out in Math

## A Literacy-Based Approach

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# Introductions

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Ms. Catherine Gibbons

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# The Flipped Classroom

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A technology-centered approach that...

- gives students the chance to gain exposure to new concepts prior to in-class instruction.
- gives students an opportunity for a deep understanding of content.
- allows time for hands-on activities and practice during class time .
- provides an opportunity for exploration of concepts.

# How & Why I Flip

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- Record myself teaching the new concept.
- Videos are shared with students via Google Classroom.
- Pre-teach vocabulary, language, and concepts.
- Creates a review library that students can access for years to come.
- Flipped approach coupled with Project Based Learning.

# Fairview

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- History at St. Mary's
- Five components
  - ◆ Adapted Dolch Words
  - ◆ Bridges
  - ◆ Comprehension
  - ◆ Phonemic Awareness
  - ◆ ASL
- Components used in content area classes

# Reading & Literacy in Math

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- Lesson structures
- Pre-Flipping:
  - ◆ Vocabulary with content-specific conceptual signs
  - ◆ New and review bridges
- The Flipped Lesson
- Post-Flipping
  - ◆ Highlight and bridge text
  - ◆ Read
  - ◆ Demonstrate comprehension
- NYS Regents Examination Prep

# Systems of Linear Equations Video Series

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- Part 1- Solving Systems of Linear Equations by Graphing
- Part 2- Solving Systems of Linear Equations by Substitution
- Part 3- Solving Systems of Linear Equations by Elimination
- Part 4- Writing Systems of Linear Equations from Word Problems

Part 4 is the focus of our reading push-in time. Helping students decode and bridge the mathematical language in assigned questions. Parts 1-3 serve as a tool to help students solve given problems.

# Videos

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→ Flipped Lesson

- ◆ Assigned to students as homework the night before reading push-in.

→ Reading push-in lesson



# Wrapping Up

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- Questions?
- Evaluations- Please help us improve!

# Contact Information

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