

# The flipped classroom



**Flipped classroom.** Pedagogical model in which the typical lecture and homework elements of a course are reversed. Short video lectures are viewed by students at home before the class session, while in-class time is devoted to exercises, projects, or discussions.



# Eric Mazur

Harvard University

Does passing the test mean mastering the content?



**KHAN**  
ACADEMY





coursera



# 'After Setbacks, Online Courses Are Rethought'

*The New York Times*

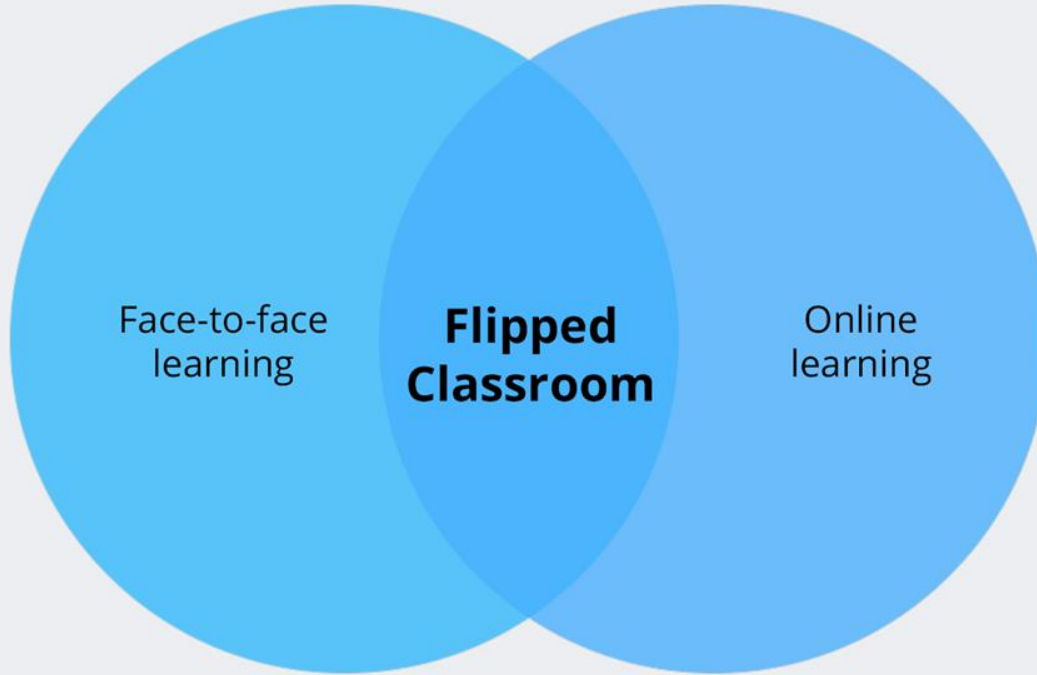
December 10, 2013



“We’re moving from the hype to the implementation,” he said. “It’s exciting to see universities saying, ‘Fine, you woke us up,’ and beginning to grapple with how the Internet can change the university, how it doesn’t have to be all about teaching 25 people in a room.”

- George Siemens





Learner-Generated

Educator-Suggested

Now What

Creative,  
Personalized  
Projects  
Presentations



Demonstration & Application

Games,  
Simulations  
Interactives



Experiential Engagement

Experience

Experiments

Community  
Projects

Arts  
Activities

Flipped Classroom The Full Picture

Blogging

Meaning Making



Reflective  
Videos

Concept Exploration



Video  
Lectures

Audio  
Lectures

So What

Audio-Visual  
Reflections

Tests

Learner-Generated

Content-Rich  
Websites

Online  
Chats

What

Educator-Suggested

“From sage on the stage to guide on the side”  
- - Alison King (1993)

# Flipping Classroom

	<b>At home</b>	<b>In-class</b>
Traditional Lectures	Solve Problems Active Alone	Listen to Lecture Passive With Teacher
Flipped Classroom	Listen to Lecture Passive Alone	Solve Problems Active With teacher
Flipped Classroom +Technology	Interactive Lecture Active Alone	Solve Problems Active With teacher With Peers

Wasting a great resource

Much better use of the teacher

Ultimate goal:  
Fully active,  
Peer teaching

Which subjects are suitable for flipping the classroom?



# Will blended education transform learning?



# Sources

David Black-Schaffer; [“Flipping the Classroom” in an Introductory IT Course](#)

Bruce M. Saulnier; [From “Sage on the Stage” to “Guide on the Side” Revisited: \(Un\)Covering the Content in the Learner-Centered Information Systems Course](#)

Tamar Lewin; [After Setbacks, Online Courses Are Rethought](#)