

# Flipped classroom

## Introduction

Traditional **definition** of a **flipped class**<sup>1)</sup> (also: **inverted classroom**, **flipped teaching**, **flipped learning**):

- *Where videos take the place of direct instruction*
- *This then allows students to get individual time in class to work with their teacher on key learning activities.*
- *It is called the flipped class because what used to be classwork (the “lecture” is done at home via teacher-created videos and what used to be homework (assigned problems) is now done in class.*

*Flipped class is not a narrow methodology, but rather a philosophy, which has many different applications and modifications.*<sup>2)</sup>

The Flipped Classroom **is NOT**<sup>3)</sup>:

- *A synonym for online videos. When most people hear about the flipped class all they think about are the videos. It is the the interaction and the meaningful learning activities that occur during the face-to-face time that is most important.*
- *About replacing teachers with videos.*
- *An online course.*
- *Students working without structure.*
- *Students spending the entire class staring at a computer screen.*
- *Students working in isolation.*

The Flipped Classroom **IS**<sup>4)</sup>:

- *A means to INCREASE interaction and personalized contact time between students and teachers.*
- *An environment where students take responsibility for their own learning.*
- *A classroom where the teacher is not the “sage on the stage”, but the “guide on the side”.*
- *A blending of direct instruction with constructivist learning.*
- *A classroom where students who are absent due to illness or extra-curricular activities such as athletics or field-trips, don't get left behind.*
- *A class where content is permanently archived for review or remediation.*
- *A class where all students are engaged in their learning.*
- *A place where all students can get a personalized education.*

## Useful links

[Flipped Classroom Implementation Module](#) - All about flipped learning activities and their implementation. ([Related paper](#))

[The Flipped Class Blog](#) by Jonathan Bergmann.

[Aaron Sams' Blog](#)

## Examples

“Key changes to the classroom were: lectures in their traditional format were eliminated, in-class time was spent clarifying understandings, resolving questions, expanding on both theory and application for a deeper understanding of the concepts, looking at real world applications, and providing design practice to the students... Frustration levels may be higher for some of the students as they are pushed to perform in a new environment.”<sup>5)</sup>

1) , 3) , 4)

[Bergmann, Jon, Overmyer Jerry and Brett Wilie. The Flipped Class: What it is and What it is Not](#)

2)

Jonathan Bergmann about [Sams A. There Is No Such Thing as THE Flipped Class](#)

5)

[L. Bland, “Applying flip/inverted classroom model in electrical engineering to establish life-long learning,” in ASEE Annual Conference and Exposition, Conference Proceedings, 2006.](#)

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