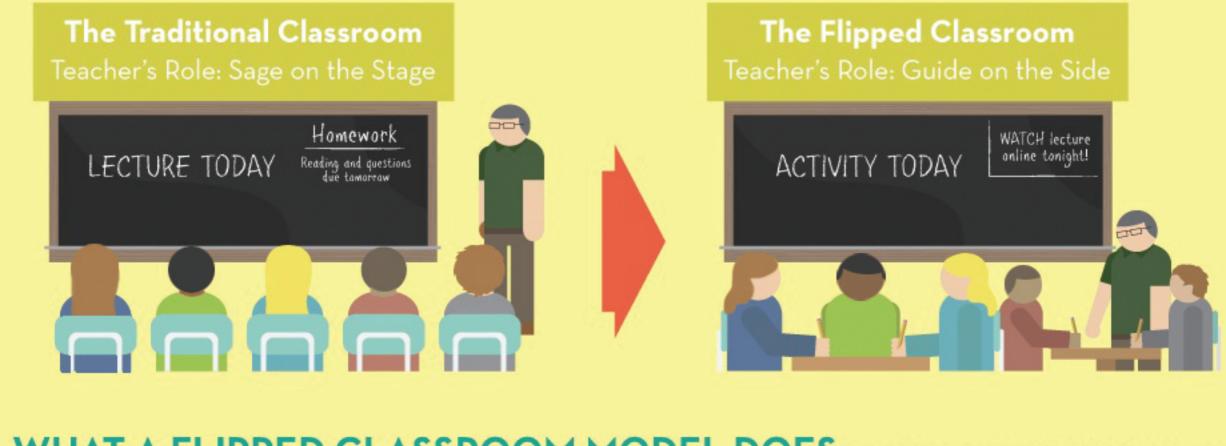
Turning Traditional Education on Its Head

Many educators are experimenting with the idea of a flipped classroom model. So what is it and why is everyone talking about it?

WHAT IS THE FLIPPED CLASSROOM?

The flipped classroom inverts traditional teaching methods, delivering instruction online outside of class and moving "homework" into the classroom.

THE INVERSION



WHAT A FLIPPED CLASSROOM MODEL DOES



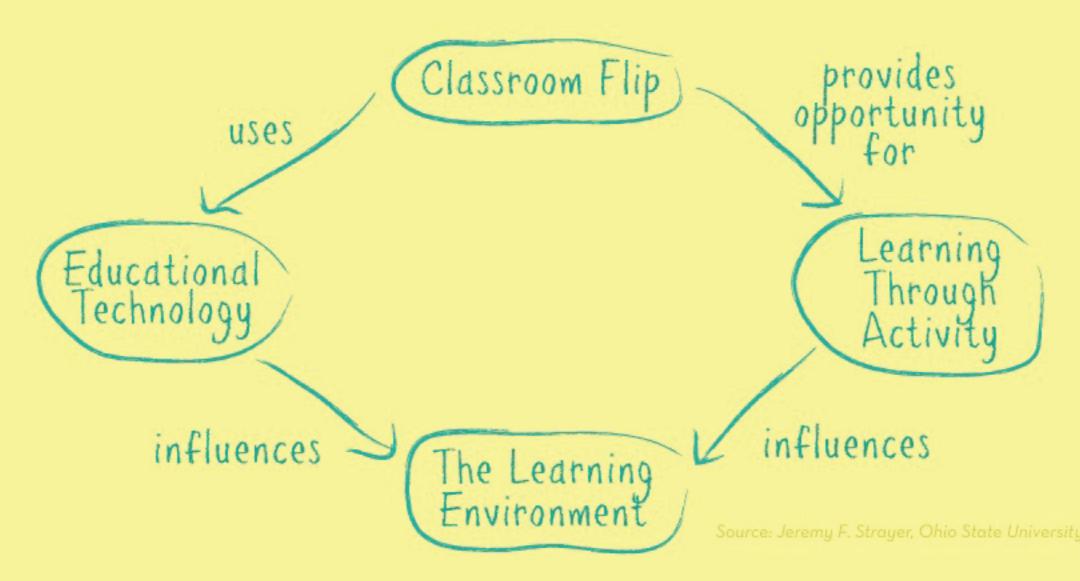
with peers and teachers via online discussions. · Concept engagement takes place in the classroom with the help of

· Students watch lectures at home at their own pace, communicating

the instructor.

A THEORETICAL FRAMEWORK

Educational technology and activity learning are two key components of the flipped classroom model. They both influence student learning environments in fundamental ways.



Many factors influenced the creation and adoption of the flipped classroom model.

HOW IT CAME TO BE

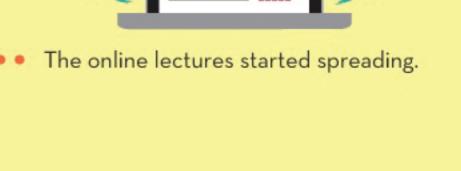
However, two specific innovators played a key role. ITS INFANCY



in Woodland Park, CO, discovered software to record PowerPoint presentations THE FLIPPED CLASSROOM



Bergman and Sams were asked to speak to teachers around the country about their methods.





Teachers began using online videos and

work and concept mastery exercises.

video podcasts to teach students outside

class, reserving class time for collaborative

POOR LEARNING OUTCOMES.

and severe consequences. Yearly High School Dropouts

The traditional one-size-fits-all model of education often results in limited concept engagement

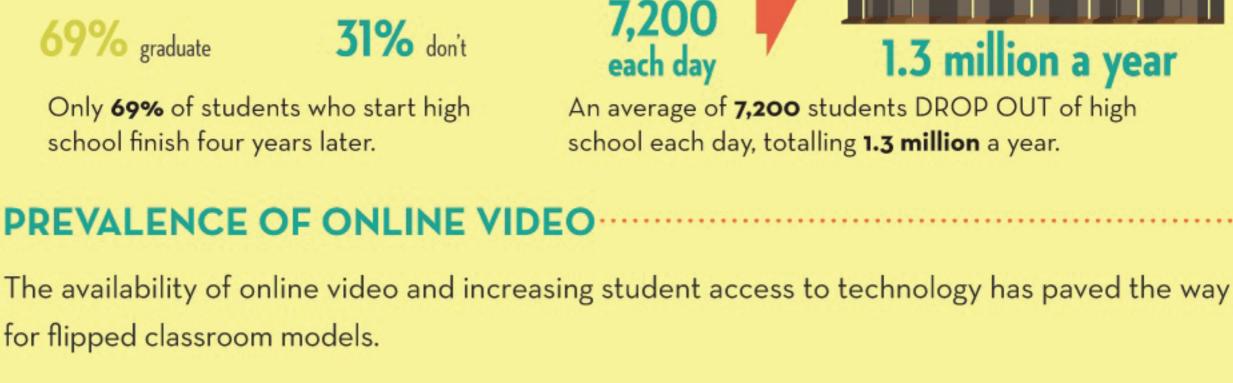
Two key factors are driving increased adoption of the flipped classroom model.



for flipped classroom models.

2010

great success.



Adults Who Have Viewed an Online Educational Video

+2,400 online video lessons 15% of Internet Users in Khan Academy

30% of Internet Users

WHAT IT LOOKS LIKE



· Teachers created three videos a week. · Students watched the 5- to 7-minute videos at home, or in school if they didn't have Internet access at home. Class time was spent doing labs or interactive activities to illustrate concepts.

Students don't get as frustrated.

Before, many students wouldn't

Students receive instant feedback.

HOW IT WORKED

Teachers have more time to help students and explain difficult concepts.

complete homework if they got frustrated with it. Working on problems in class minimizes this problem.

Teachers support students in class.



Concepts from Video

Teachers revisit concepts students

don't understand. After students watch

lessons, they write down any questions

they have. Teachers review those

AFTER THE FLIP

THE RESULTS **BEFORE THE FLIP**

Students who might not have

technology or parents to help

teachers guiding them in class.

them outside of school now have

+50% of freshmen failed English

44% of freshmen failed math

19% of freshmen

failed English

of freshmen failed math

discipline cases in one semester

Sources: Jeremy F. Strayer, Ohio State University | Flipped Class Conference 2011 | Telegraph.co.uk | Blendedclassroom.blogspot.com | Khan Academy | Education Week | Converge Magazine

discipline cases in one semester

KNEWTON