The ‘Flipped Classroom’ refers to an approach to teaching where the traditional class-time and self-study activities are reversed or ‘flipped’. In practice activities can take many forms, but generally involve students preparing for class by watching a pre-recorded lecture or undertaking assigned reading and activities, followed by the ‘lecture’ time being used for interactive discussion, problem-solving and other activities with the teacher. As such the role of the teacher shifts from being the ‘sage on the stage’ to the ‘guide on the side’.

Advantages of this approach include: an increase in interaction between students and teachers; a shift in the responsibility for learning on to students; the ability for students to prepare at a time that suits them, and as many times as meets their needs; an archive of teaching resources; collaborative working between students; an increase in student engagement and a shift from passive listening to active learning.

Possible disadvantages include: the need to invest time and resources to develop courses; the possible need for technological investment; and time for both teachers and students to adapt and acquire the new skills required for this more active and self-directed approach to learning.

Key to the success of this approach is that students take responsibility for their learning and come to class prepared. This can be seen as both an advantage and a disadvantage.

This approach has been credited to two US maths teachers, Aaron Sams and Jonathan Bergmann. However, parallels to this approach can be seen in Team-Based Learning, and distance learning higher education programmes, such as The Open University in the UK.


An explanation of what a flipped classroom is, how to do it and what the implications are for teaching and learning.

TED Talks presentation on the advantages of recording presentations to be used in education. Relates to the flipped classroom as a learning strategy for encouraging students to learn by asking questions.


As part of this presentation Dr Haramati considers the changing role of faculty, and highlights the flipped classroom as a learning strategy for encouraging students to learn by asking questions.


The authors highlight the importance of making lessons "stickier" by using messages that capture curiosity, eliciting emotions, promoting active learning and using the flipped-classroom model.

TED-Ed
www.mededworld.org/Learning-Technology/Equipment-Items/TED-Ed.aspx

With TED-Ed you can use, tweak, or completely redo any lesson featured on TED-Ed, or create lessons from scratch based on any video from YouTube.

Camtasia Relay
www.mededworld.org/Learning-Technology/Equipment-Items/Camtasia-Relay.aspx

A voting system that uses 'clickers' to enable interactive feedback during class time.

Screencast.com

Online storage and sharing facility for high quality images and videos with a range of privacy options to control audience access.

Poll Everywhere
www.mededworld.org/Learning-Technology/Equipment-Items/Poll-Everywhere.aspx

Instant audience feedback, an easy way to gather live responses in any venue: conferences, presentations, classrooms etc. It works internationally with texting, web or Twitter.

Celly
www.mededworld.org/Learning-Technology/Equipment-Items/Celly.aspx

Private and secure social networking, it uses social building blocks called "cells" for everyday collaboration, knowledge sharing, and group communication on any device.

Echo360
www.mededworld.org/Learning-Technology/Equipment-Items/Echo360.aspx

Active learning technology that enables students to participate more frequently, study more effectively, and collaborate more often, during and after class.

Penn State University “7 Things You Need to Know about Flipping the Classroom.”
www.mededworld.org/Resources/Resources-Items/7-Things-You-Need-to-Know-about-Flipping-the-Class.aspx

This paper looks at the way technology if being used to ‘flip the classroom’, and explores the advantages and issues to consider before introducing into teaching.


A list of tools derived from an @Edudemic Twitter Poll, with suggestions for how they can be used.

RESOURCES

A selection of texts recommended on MedEdWorld


Discusses the flipped classroom alongside the range of new technologies that can be used to enhance teaching.

JOURNAL ARTICLES

A selection of key articles recommended by the MedEdWorld Community


A series of three articles on the Flipped Classroom: 1) The Flipped Class: What it is and What it is Not; 2) The Flipped Class: What Does a Good One Look Like?; 3) The Flipped Class: Are You Ready to Flip?

EDUCUSE (2012) “7 Things you should know about... Flipped Classrooms” www.mededworld.org/Resources/Resources-Items/TWINGS-YOU-SHOULD-KNOW-ABOUT%20FLIPPED-CLASSROOMS.aspx

An explanation of what a flipped classroom is, how to do it and what the implications are for teaching and learning.
A space for debating a wide range of topics of current interest to the health professions.

Method of the Month – The Flipped Classroom

Post you queries, ideas and suggestions about the ‘flipped classroom’ here for discussion with colleagues. You can also add your recommendations on topics to a forum for upload into the MedEdWorld site.

POLL

Our survey said…

Are you familiar with the ‘Flipped Classroom’?

The results of our June survey revealed that 22% of respondents have utilised the ‘flipped classroom’ in their curriculum or training programme, and 34% of respondents reported that they had read about the ‘flipped classroom’ but have not seen it applied. Twenty-two per cent of respondents had heard of the approach but not studied it, whilst 22% were not aware of the concept.

MedEdWorld was launched by AMEE to help all with an interest in health professions education learn, connect and debate key issues in medical education. Join the MedEdWorld Community by registering as a user for free or joining as a member at:

www.mededworld.org

AMEE members have full and free access to MedEdWorld. Simply login with your AMEE username and password.

Copies of this and other MedEdWorld Updates are located in the Resources section of MedEdWorld. This will give you direct access to all the hyperlinks listed in the summary.

Scottish Charity SC031618

www.mededworld.org www.amee.org