

Flipping your Classroom

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Objectives

At the end of this presentation the learner will be able to:

- Discuss the advantage of flipping a class
- Describe what content to flip
- Find flippable moments in course material

What is a Flipped Classroom?

- The flipped classroom inverts traditional teaching methods, employs delivering course content online and moving homework into the classroom

How it looks

THE INVERSION

The Traditional Classroom

Teacher's Role: Sage on the Stage



The Flipped Classroom

Teacher's Role: Guide on the Side

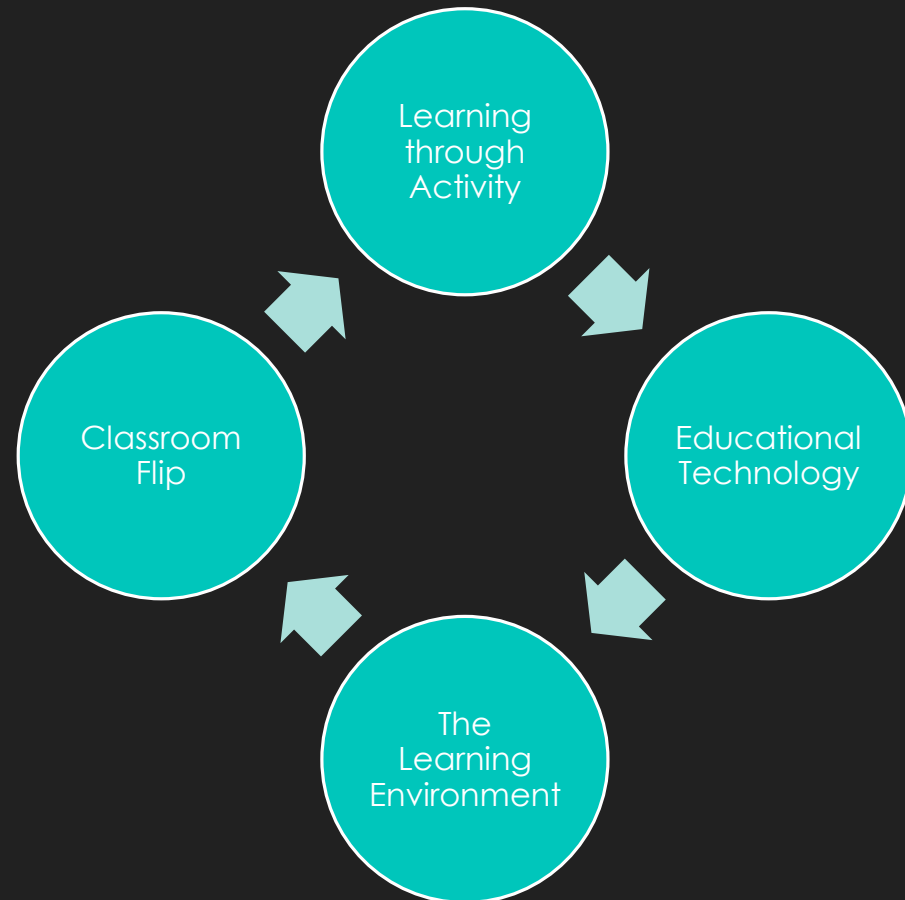


WHAT A FLIPPED CLASSROOM MODEL DOES



- Students watch lectures at home at their own pace, communicating with peers and teachers via online discussions.

Framework of a Flipped Classroom



Role Change: actively
passive – less control

Source: Jeremy F. Strayer, Ohio State University

Where Do I Start ?

- Flip syllabus first day
 - Hide ten questions in the syllabus
 - Higher level discussions
 - Connect information to learning outcomes
- Select one day a week to start at first
 - Flippable Fridays
 - Attendance is Improved
 - Higher quality of engagement

What should I Do ?

- Do not overdo or flip everything – it loses its effectiveness
- Do more games
- Create videos
- Move learning outcomes outside of class with homework
- Move homework into classroom with activities
- Look for confusion with concepts
- Look for boredom/ take that moment and flip

Ideas for Active Learning

- Assign small groups
 - Visit each group
 - Listen to the students as they work
 - Try not to talk for at least five minutes during activities
- Gallery Walk
 - Use sheets of flip paper posted around the room
 - Write a question or a prompt or statistic
 - Divide students into groups and answer question
- Students may need structure and guidance but not answers

Driving Force Behind The Flipped Classroom

- Poor Learning Outcomes
- 45% did not demonstrate any significant improvement in learning" during the first two years of college.
- 36% of students "did not demonstrate any significant improvement in learning" over four years of college.

Where to go for Help!

- <http://www.knowmia.com/howto#chapter1>
- <http://www.screencast-o-matic.com/>
- www.doceri.com
- www.youtube.com/edu
- www.ed.ted.com
- Flipitconsulting.com

Adding the Assignment

The screenshot shows an iPad browser displaying the eLearning interface for a course titled "CLINICAL EXTERNSHIP - ST-250-WN910-15WI-COURSE". The user is logged in as Rebecca Hall. The page is titled "A & P review" and is in a "Published" state. The sidebar on the left shows a "Table of Contents" with the following items:

- Table of Contents (14)
- clinical paperwork (11)
- syllabus (2)
- A & P review (1)**
- Add a module...

The main content area for "A & P review" includes the following elements:

- Search Topics
- Overview
- Bookmarks
- Upcoming Events
- Table of Contents (14)
- clinical paperwork (11)
- syllabus (2)
- A & P review (1)**
- Add a module...

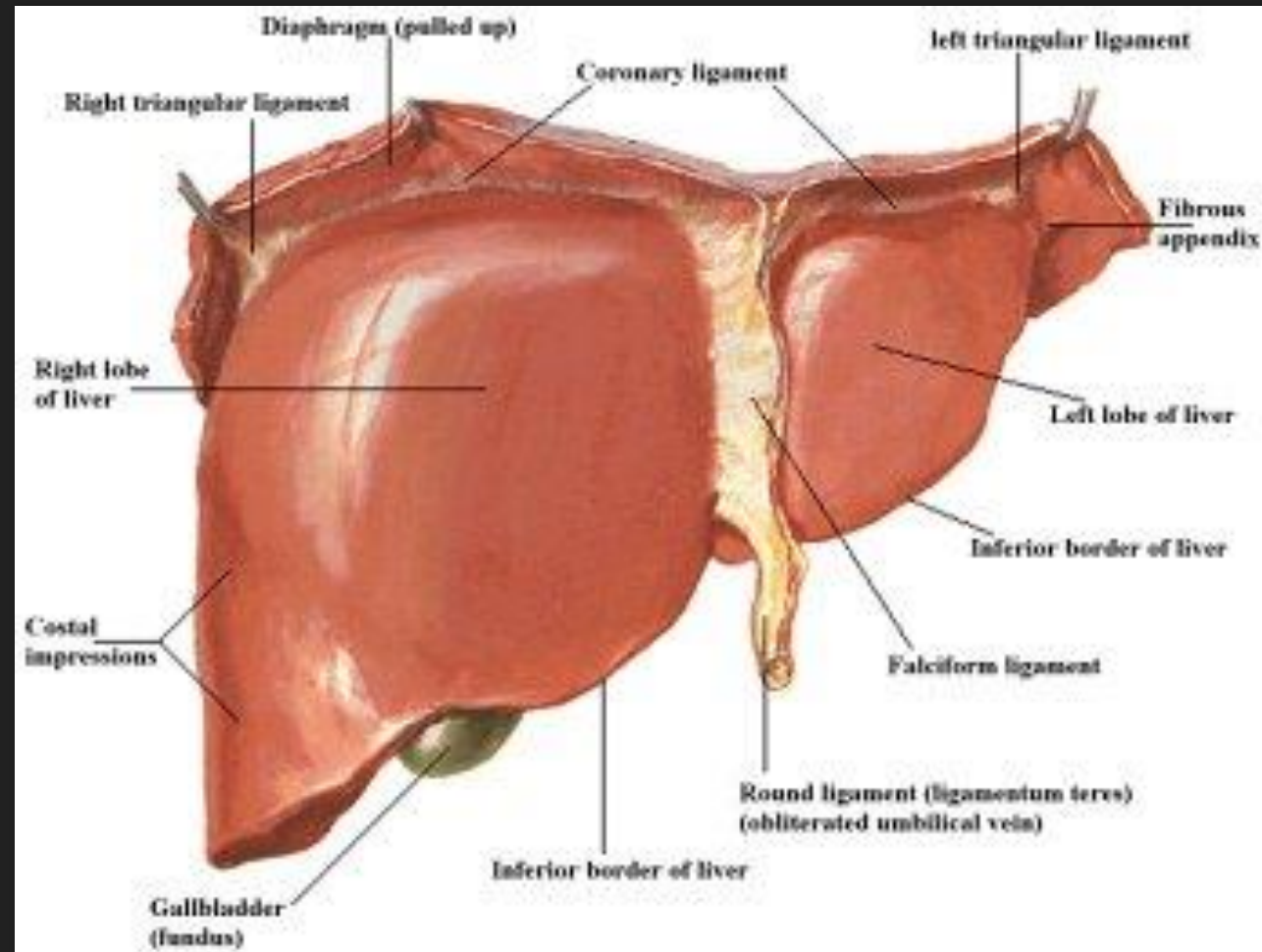
The main content area for "A & P review" includes the following elements:

- Print
- Settings
- Published
- Add dates and restrictions...
- Add a description...
- New
- Add Existing Activities
- Bulk Edit
- How Does the Liver Work?
- This short clip is for your viewing pleasure. I thought it did a nice job of describing the function of the liver.
- Add a sub-module...

Power Points

- Record power points for students to listen at home

Anatomy of the Liver



Start Small

○ <https://www.youtube.com/watch?v=wbh3SjzdnQ>

Knowmia.com

Lesson Steps

Introductory Lesson (00:00)

LESSON INFO

Introductory Lesson

01

The Saved Lessons Screen

02

Lesson Steps

03

Lesson Steps

04

Lesson Tools

05

More About the Pen Tool

Face Recording
OFF

Record / Play

Tools

Props

Lesson Steps

Lesson Info is where you describe each lesson so it can be discovered if published to knowmia.com.

Use steps to break your lesson into smaller segments. Steps can also help you organize your thoughts and make the lesson more interesting.

Each step can be recorded and edited separately.

Lesson Steps

LESSON INFO



01



02



03



04

CREATE
STEP

CREATE
STEP

Face Recording



Record / Play



BACK MENU LOGOUT Microbiology review (00:00) UNDO REDO SAVE



Web Recording for Knowmia Teach **PRO**

Using this tool, you can integrate any website into your video presentation. The website becomes the visual background and you can still use all of the standard instruction tools on top of it. You can record your interaction with the site, scroll and navigating between pages. It even allows you to add face recording and animation.

This feature is only available to Knowmia Teach Pro users.

[Click here](#) to learn more and see an example of web-recording in action.



- Real time web recording
- Add voice and face recording
- Add notations, illustrations and animation
- Combine multiple web recordings into a complete video presentation
- Save as a video file or upload to YouTube

Purchase the **PRO** version now

* Minimum System Requirements: 4th Generation iPad and iOS 7 (or later) with minimum of 1GB of free memory

* Supported websites require compatibility with the iPad's Safari browser (if you can view and use it in Safari then it's compatible...)

Tools



Props



Import Your Power Points

Lesson Steps

LESSON INFO

01

02

03

04

CREATE STEP

CREATE STEP

Face Recording OFF

Record / Play

BACK MENU LOGOUT Microbiology review (00:00) UNDO REDO SAVE

Import PDF

10	11	12	13	14
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Select Pages to import(14) Deselect All


Cancel As Props As Steps To Whiteboard

Tools ADD PROP ADD PROP ADD PROP ADD PROP ADD PROP

You Tube Videos

Build a lesson around any TED-Ed Original, TED Talk or YouTube video

Create a Lesson 

Enter a search term or YouTube URL 

1

Find a Video

You can search YouTube for a video to build a lesson around. This video will be the centerpiece of your lesson.

2

Select a Video

Select the video you wish to customize a lesson around.

Make your Lectures Interactive

The screenshot shows the ed.ted.com website on an iPad. The browser address bar displays the URL: ed.ted.com/videos/?search=Www.youtube.com/neurosurgery&video=zSIGvNnED2A. The page is divided into three numbered steps:

- 1 Find a Video**
You can search YouTube for a video to build a lesson around. This video will be the centerpiece of your lesson.
- 2 Select a Video**
Select the video you wish to customize a lesson around.
- 3** (The third step is partially obscured by the video player)

The video player shows a surgical procedure with the text "Farhad M. Limonadi, MD" and a YouTube logo. Below the video, the title "Neurosurgery : Removal of GBM (Glioblastoma Multiforme)" is displayed. A red button labeled "Launch Lesson Editor" is positioned to the right of the video. A link "Back to Search Results" is located above the video player.

Create Your Assignment

The screenshot shows the 'Create Your Assignment' interface on an iPad. At the top, the browser address bar displays 'ed.ted.com/on/FxEELxFV/edit'. Below the address bar, there is a text input field with a character count of '400 Characters Available'. The main content area is divided into two columns. The left column features a 'Create Question' section with a plus icon and a 'Sort' button. Below this, there are two options: 'Multiple Choice' and 'Open Answer', each with a plus icon. At the bottom of this section is a button labeled '+ CREATE YOUR OWN QUESTION'. The right column contains a video player showing a surgical procedure, followed by a 'Watch' section with four items: 'Think', 'Dig Deeper', 'Discuss', and '...And Finally'. Each item has an 'EXCLUDE' button next to it. At the bottom of the screen, there are two buttons: 'Preview' and 'Publish'.

ed.ted.com/on/FxEELxFV X

ed.ted.com/on/FxEELxFV/edit

400 Characters Available

You can have only 15 questions. Remove or exclude a question to free up a slot.

Sort

Create Question

+ Multiple Choice

+ Open Answer

+ CREATE YOUR OWN QUESTION

Watch

Think EXCLUDE

Dig Deeper EXCLUDE

Discuss EXCLUDE

...And Finally EXCLUDE

Preview Publish

Reinforce

iPad 2:37 PM 12%

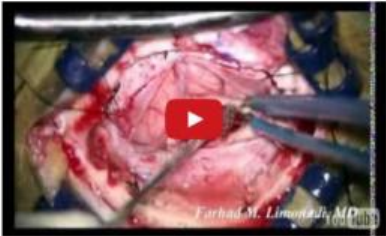
ed.ted.com/on/FxEELxFV X

ed.ted.com/on/FxEELxFV/edit

400 Characters Available

Review Old Discussions Add New Discussions Preview & Save

No discussions were carried over.



Watch

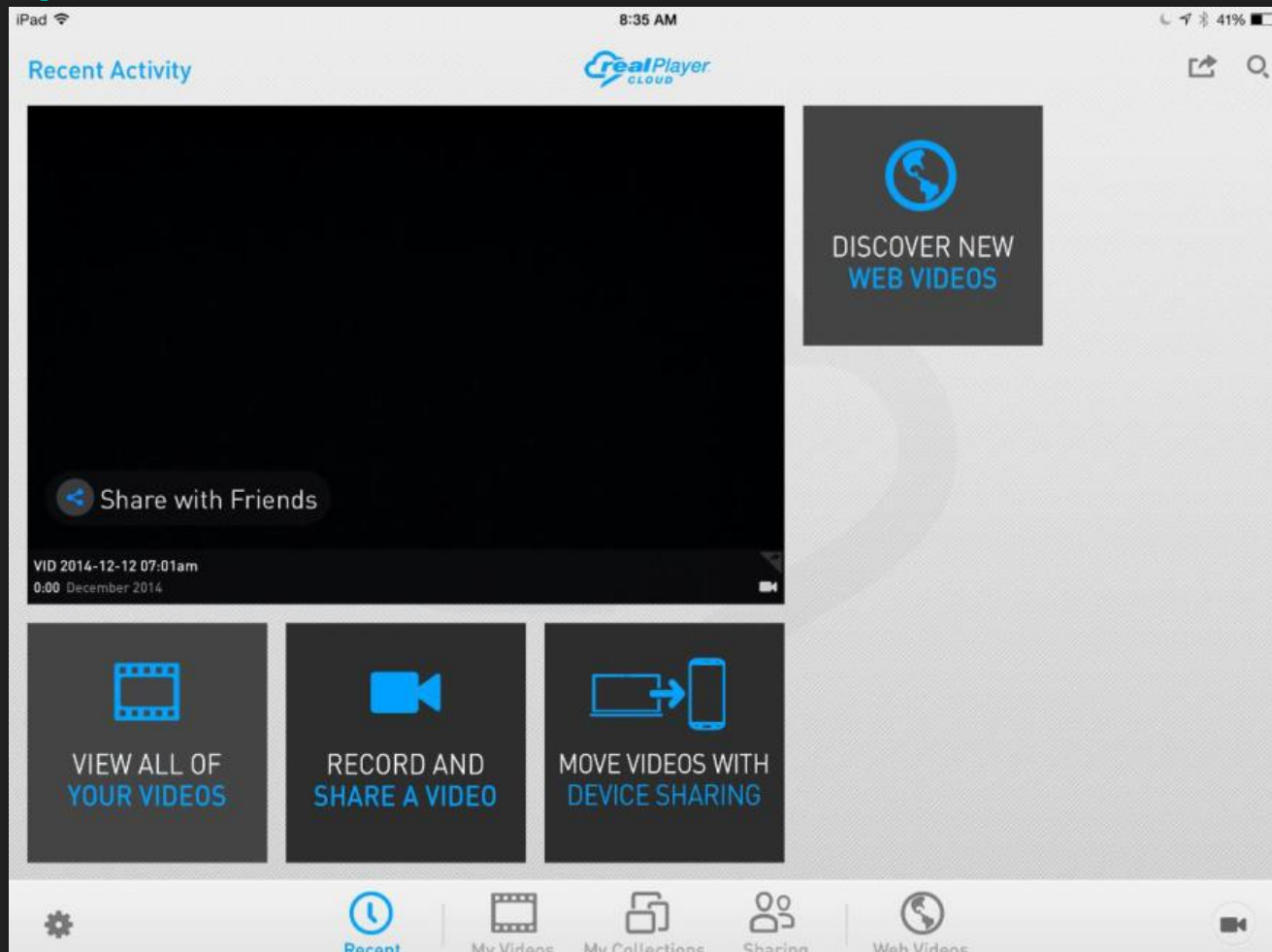
Think

Dig Deeper

Discuss

...And Finally

Real Player on I PAD



Camtasia

iPad 8:40 AM 41%

TechSmith® Products Solutions Help Company Store


Search Mail Global Cart Sign In

Screen Recording & Video Editing

A powerful, yet easy-to-use screen recorder, Camtasia helps you create professional videos without having to be a video pro. Easily record your screen movements and actions, or import HD video from a camera or other source. Customize and edit content on both Mac and Windows platforms, and share your videos with viewers on nearly any device.

Camtasia® Overview Features Upgrade Windows Extras

Free Trial Buy PC Buy Mac



Illustrate Your Point with Video

Show your ideas, spread the word, or share knowledge with a video. From quick video demos to extensive video projects, Camtasia has all the editing tools to create the great video content you need to get the job done. Quickly record your webcam or screen, engage your viewers with a variety of effects, and easily share your videos to anyone, anywhere.

CAMTASIA FEATURES

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t
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Realities of the Flipped Classroom

- Takes more time than you think to work with the content and create a flipped lesson plan
- Don't try to reinvent the wheel – use other people's 'stuff'
- Expect pushback from students
 - “You're paid to teach me!”
 - Isolation from group activity
 - Finally acceptance “I see the value”
- Keep options open and plan for the extra class time

Seven Principles for Good Practice in Undergraduate Education

○ <http://www.aahea.org/articles/sevenprinciples1987.htm>

References

- <http://www.knewton.com/flipped-classroom/>
- https://www.insidehighered.com/news/2011/01/18/study_finds_large_numbers_of_college_students_don_t_learn_much
- <http://americanradioworks.publicradio.org/features/tomorrows-college/lectures/rethinking-teaching.html>

Flipping the Classroom

Activity #1

You have created a power point/video for your class to view before coming to class that has incorporated the information below about the liver. Using this information, create an in class assignment or activity for your class.

Activity #2 Gallery Walk

You have assigned your class a reading/ research assignment on the profession of a surgical technologist. Create a gallery walk of questions for the students.

Flippable Moments in the Classroom

Activity #3

You've posted a video for your class to watch on *Scrubbing, Gowning and Closed Gloving*. Create a classroom activity that reinforces this material and will enable you to tell who came to class prepared.

Flippable Moments in the Classroom

Activity #4

You have passed out the syllabus the first day of class. Select five - ten questions to place in the syllabus that will encourage a conversation about the syllabus, the course and the expected outcomes. This course includes non-sterile concepts such equipment, instrumentation and sterilization outcomes.

Flippable Moments in the Classroom

Activity #5

You have recorded a power point/lecture that coincides with their reading assignment for them to view prior to class on counting: