

NEARPOD:

[www.nearpod.com](http://www.nearpod.com)



KAHOOT:

[kahoot.it](http://kahoot.it)



Steve's class website:

<https://sites.google.com/site/2014cct1055/home/week-12>



QR Code Scanner:

[www.scan.me/download](http://www.scan.me/download)



# Flipping Your Classroom!



Picture sourced from: <http://meghanecclstone.com/2013/05/23/information-literacy-and-inverted-classrooms/>

## Session Overview

- Informal, please feel free to ask any questions at any time
- Leverage this groups teaching experience, get a good conversation going
- Examples of what I've done.....good and not so good

## Poll

### What is your experience with the flipped classroom?

- a) I have none
- b) I've dabbled
- c) I use it often
- d) I use it always

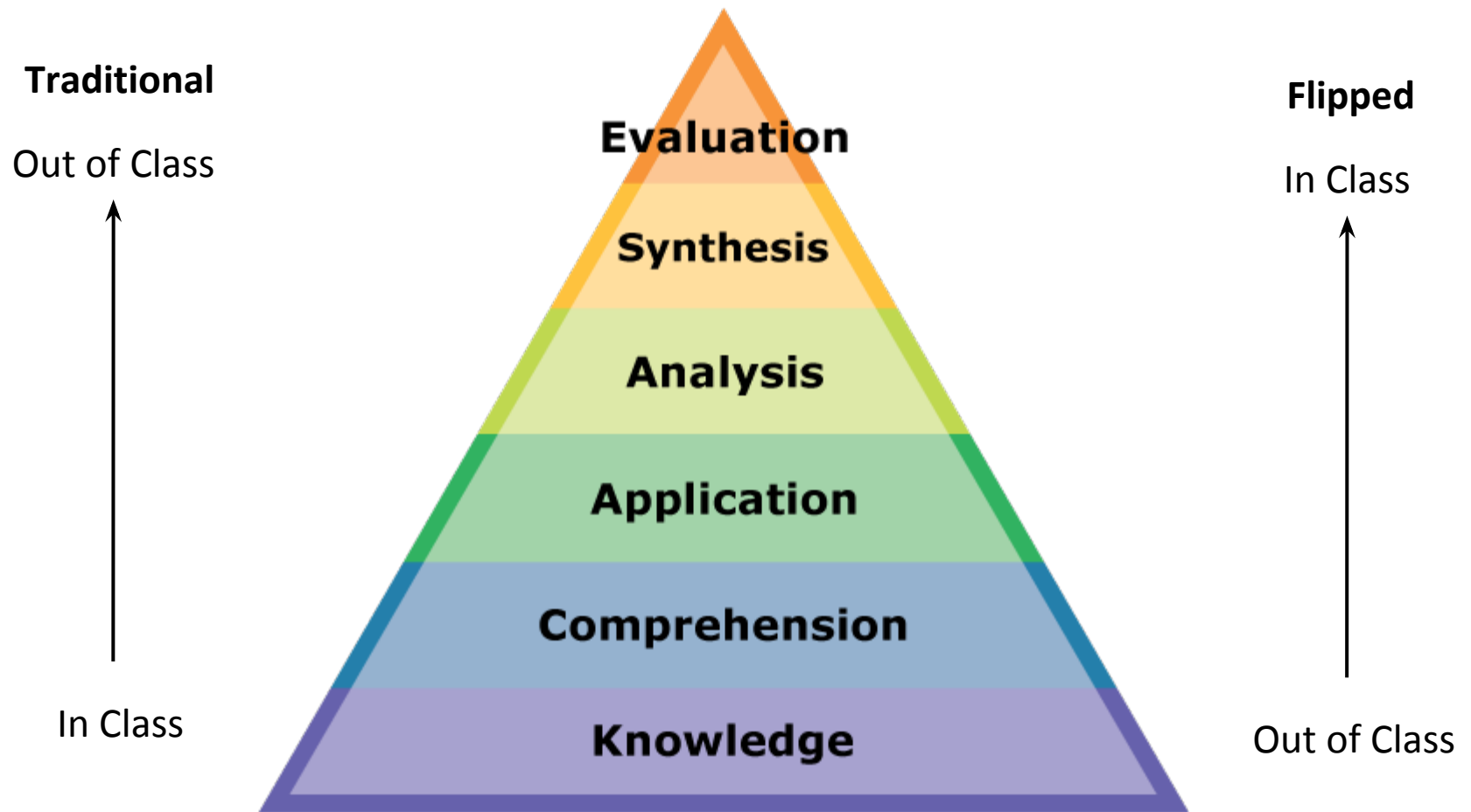


## Poll

# What does the flipped classroom mean to you?

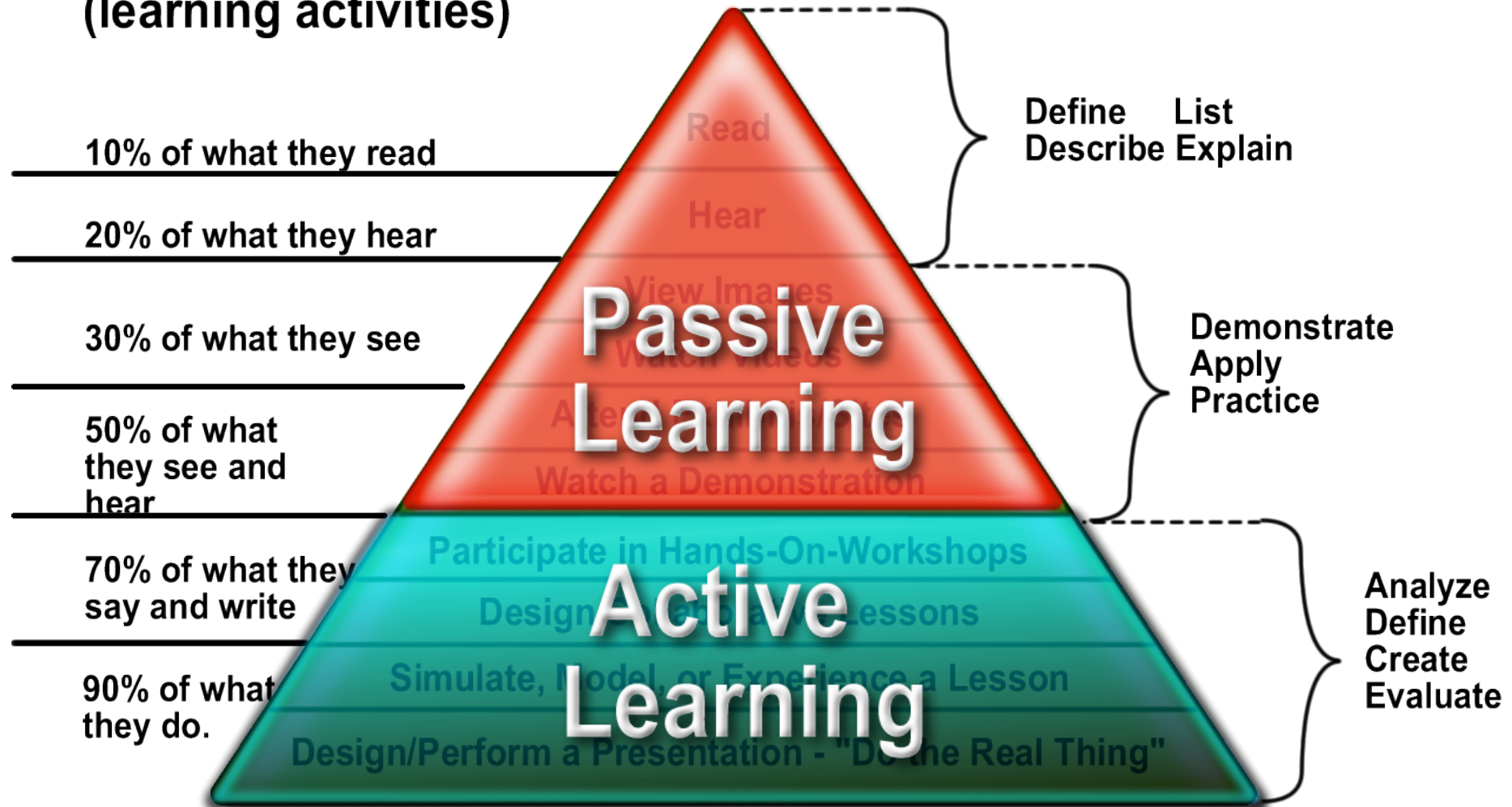
- a) Making video lectures to view at home, and doing the homework in class
- b) Swapping classroom lecture time for hands on practical time
- c) Using a variety of teaching techniques to deliver content at home, then using class time to reinforce active learning techniques with the teacher present, and from student to student





People generally remember...  
(learning activities)

People are able to...  
(learning outcomes)



**How do I make  
sure my students  
do their assigned  
flipped  
homework?!?!?!?**



# Tips on making sure that students are doing their homework

- Arrange a location where they can access the lessons if they don't have a computer, tablet, smartphone...
- Provide the material in a format so that students can download it on their devices in school and watch it at home where they may not have internet connection
- Make your lessons in the right format so they can be burned onto a jump drive or DVD
- Use the analytics in your LMS
- Set up a discussion post for questions and answers; teacher-student; student-student
- **Make your at home content engaging! Use a variety of techniques to deliver content, not just a videotaped 50 minute lecture.**
- Cafeteria style (army style)



Picture sourced from:Source: <http://blog.edynco.com/instructional-design/how-to-make-sure-students-do-their-flipped-homework/>

# **Start each session with a “STRONG” question to determine comprehension of at home content.**

- Use a question that requires thinking!
- If 75%+ get it correct, continue on...
- If 60%+ get it correct, do a quick review of key points and continue on...
- If less than 60% get it correct, you may need to reteach content?....

## Example:

### Flipped classroom topic : Hip Rafters

In comparison to the common rafters, hip rafters on the same roof:

- a) must rise the same but with fewer steps
- b) have decreased unit of run
- c) the slope of a hip rafter is steeper
- d) the unit run of the hip rafter is increased

## WHERE DO I BEGIN?!

<http://jonbergmann.com/new-to-the-flipped-classroom-10-things-to-consider-before-you-start/>

Link to this website in Nearpod



## Ease into it!



# Flipped Classroom....

**What is it?  
What is it not?**



# What techniques might work well in a flipped classroom?







## What has worked well for me...

- Try to connect with all learning styles (Try cafeteria / army style)
- Keep videos short (5-6 minutes)
- If you must have a long lecture video, break it up and put other activities in between (Quizlet, web research, web scavenger hunt...)
- DON'T REINVENT THE WHEEL!!!! (Sketch-up 3D Models)

# What techniques might work you want to avoid in a flipped classroom?





# What I have attempted...and hasn't been very successful

- Don't just video your lecture, and assign homework in class
- Make sure your "at home" instructions are clear
- Use individual and group work in class
- Use peer to peer learning where possible
  
- Hold each student accountable for their homework...if they didn't do the work, don't reteach it in class

# A Week in the Life of a Flipped RENT student!



Picture sourced from: <http://www.peruforless.com/blog/drinking-beer-in-south-america/>

Link to week 12 of CCT 1055 Website

# So... what did they do in class?

- Started most classes with a kahoot to get discussion going and reinforce at home content (...let's do one now!)
- (Try using the 75%-25% rule)
- Group or individual work on assignments
- Google wars!
- Pretty much anything you can think of that encourages active learning.

# GOOGLE WAR!

1. Find the names of the two teachers who are credited with the “flipped classroom” technique
2. What school board/district did they belong to when they developed this technique



# Can you flip the lab component of a course?



Picture sourced from: <https://twitter.com/FlipLab>

# Can you flip an online course?



1. Try to find the technological tools that allow us to adapt the strategies we use in our face-to-face classes to engage with and connect to our students in the online environment, just in a different way.
2. The flip moves away from being defined as only something that happens in class vs. out of class
3. Instead, we focus on what are students *doing* to construct knowledge, connect with others, and engage in higher levels of critical thinking and analysis. This applies to both the online and face-to-face environment
4. The real flip is not about *where* activities take place—it's about flipping the focus from you to your students.

# Delivery Platforms?



Picture sourced from: <http://www.tekuk.co.uk/delivery.html>

# Affordances and Challenges?

Website Link

Draw it/whiteboard

Poll

Large Group  
Discussion

Small Group  
Work

Quiz