

# THE FLIPPED CLASSROOM THE FLIPPED

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# What is the Flipped Classroom?

- ★ **Technique** used for delivering educational content.
- ★ **Concept** started in 2007 by Jonathan Bergmann & Aaron Sams.
- ★ **Goal:** helping students become learners who can learn for themselves and by themselves.
- ★ **Reference:** Bloom's Taxonomy pyramid





**New Version**

In 1956, Benjamin Bloom headed a group of educational psychologists who developed a classification of levels of intellectual behavior important in learning. During the 1990's a new group of cognitive psychologists, led by Lorin Anderson (a former student of Bloom), updated the taxonomy to reflect relevance to 21st century work. The two graphics show the revised and original Taxonomy. Note the change from nouns to verbs associated with each level.

*Note that the top two levels are essentially exchanged from the traditional to the new version.*



**Old Version**

**Remembering:** can the student recall or remember the information?

define, duplicate, list, memorize, recall, repeat, reproduce state

**Understanding:** can the student explain ideas or concepts?

classify, describe, discuss, explain, identify, locate, recognize, report, select, translate, paraphrase

**Applying:** can the student use the information in a new way?

choose, demonstrate, dramatize, employ, illustrate, interpret, operate, schedule, sketch, solve, use, write.

**Analyzing:** can the student distinguish between the different parts?

appraise, compare, contrast, criticize, differentiate, discriminate, distinguish, examine, experiment, question, test.

**Evaluating:** can the student justify a stand or decision?

appraise, argue, defend, judge, select, support, value, evaluate

**Creating:** can the student create new product or point of view?

assemble, construct, create, design, develop, formulate, write.

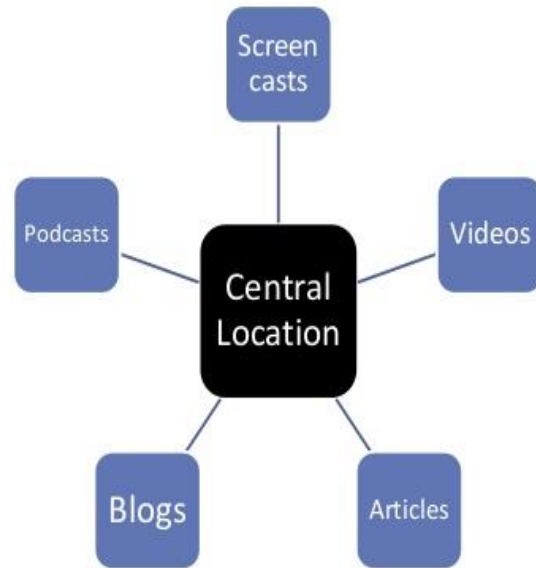
Flipping the classroom consists of **two** parts:

Direct computer-based instruction  
**outside** the classroom

Interactive group learning activities  
**inside** the classroom

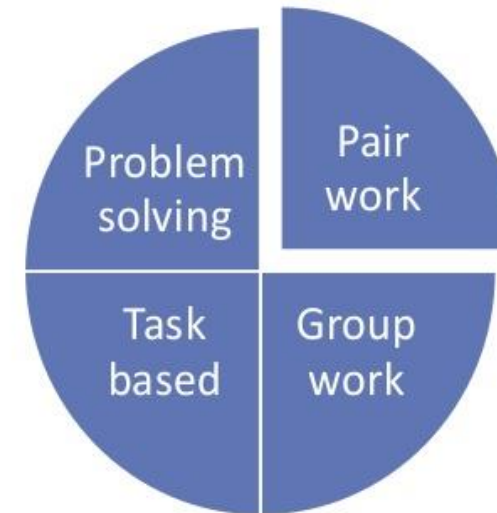
## Material at home

**TTV** by  
Russell Stannard  
teachertrainingvideos.com

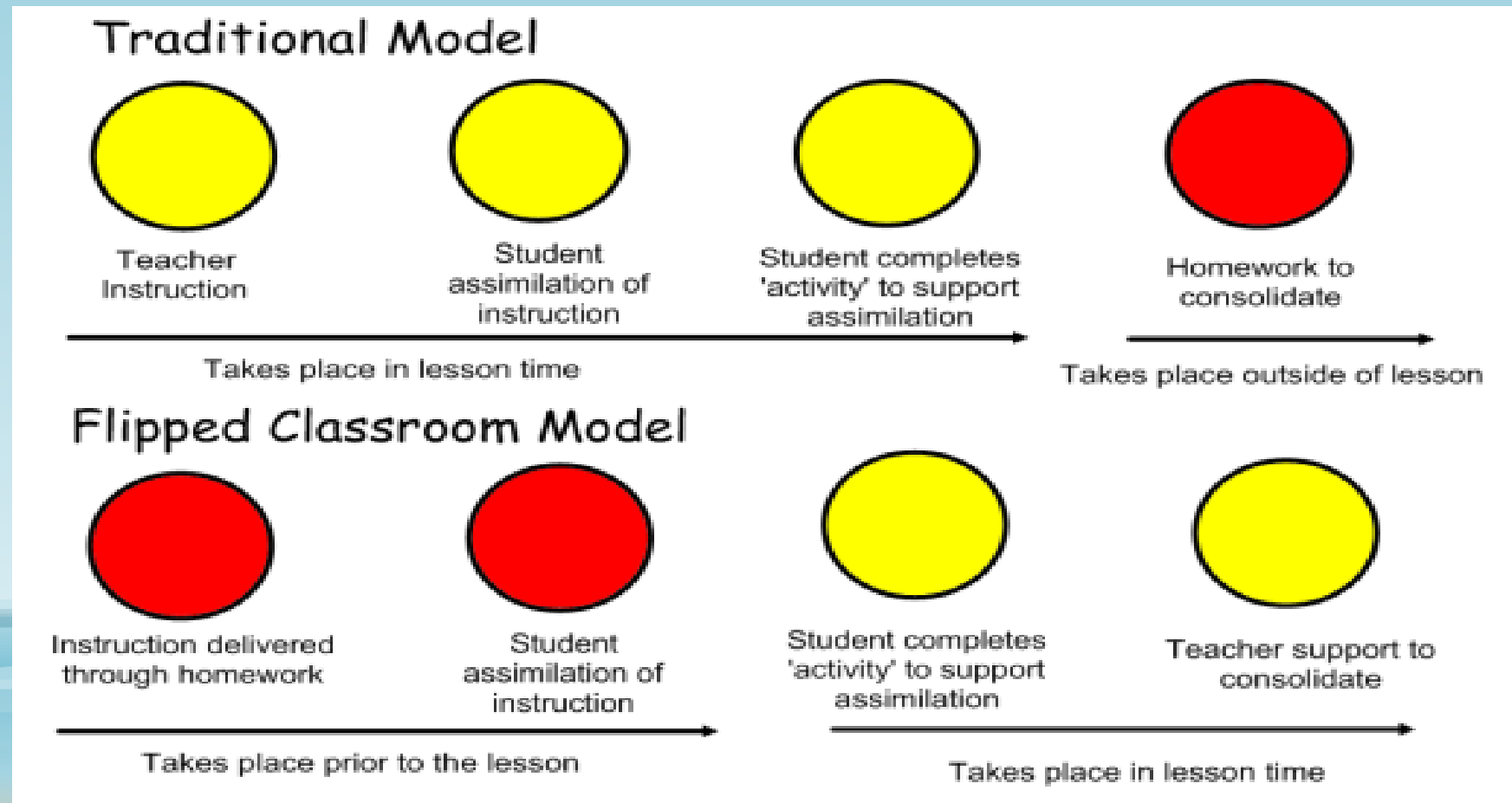


## In class

**TTV** by  
Russell Stannard  
teachertrainingvideos.com



According to Hawks (2014), it represents the unique combination of **constructivist** and **behaviourist** principles as an answer to the shifted educational paradigm of this era.

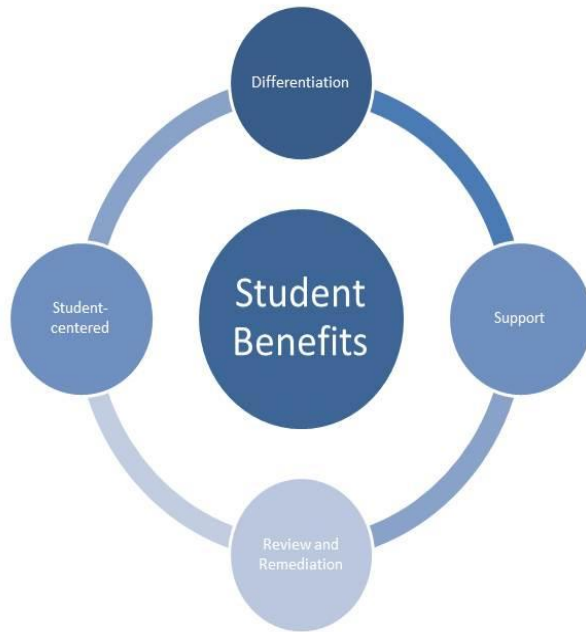


# Why use the Flipped Classroom?

- ★ The widespread use of the Internet has provided us with a **limitless number** of new applications for educational purposes.
- ★ We are teaching **‘the Millennial Generation’**, who have a preference for interactive and experiential-learning approaches.
- ★ Flipping the classroom allows teachers to **meet the learning needs** of our students.
- ★ It is a **student-centred** approach with new learning opportunities inside the classroom which is ideal for mixed ability groups.

- ★ The teacher's role shifts from lecturer and deliverer of content to **learning coach** and **guide**.

### Why Flip Classroom Instruction?



Students are familiar with the topic so:

- ✓ There is more time for points of confusion
- ✓ They can undergo controlled practice
- ✓ Topic can be transferred into real-life content
- ✓ They get individual attention taking into consideration different abilities and traits of character
- ✓ Students learn at their own pace and are able to evaluate their learning



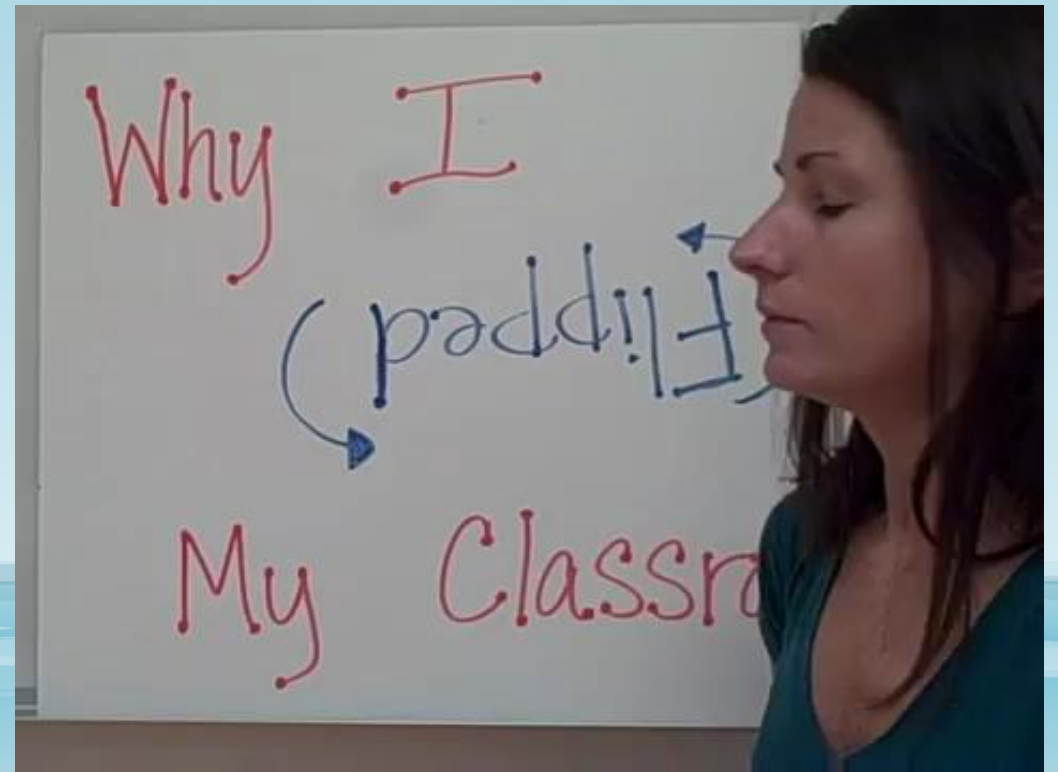
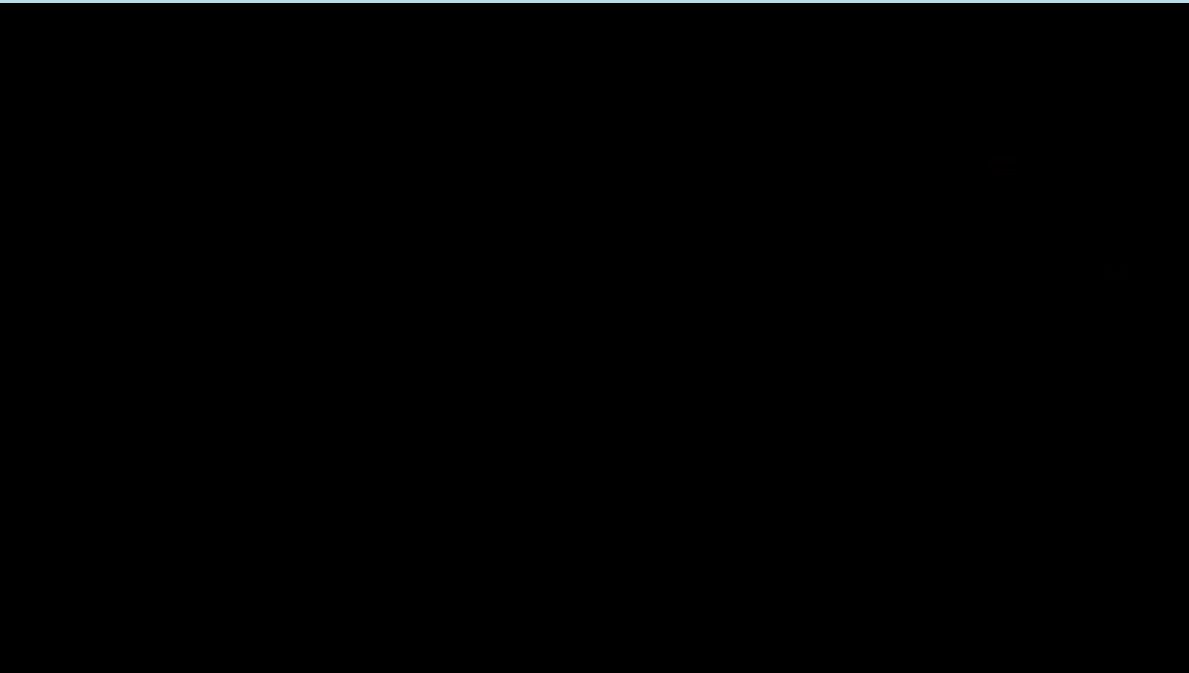
**Meaningful learning**  
**Critical thinking development**  
**Independent learners**



*Give a man a fish and you feed him for a day.  
Teach a man to fish and you feed him for a lifetime*

<https://www.youtube.com/watch?v=AHYm7U0ePWY&t=35s>

<https://www.youtube.com/watch?v=9aGuLuipTwg&t=14s&index=29&list=PLNfkvAt2Gq8vnrO4XTYHqob7vih--7E6a>



# How can I flip my classroom?

- ★ Provide students with class topic, learning objectives and pre-class preparation. The class content as well as pre- and during the class activities must be clear for both teacher and students.

**Some ideas on how to 'flip' your classroom**

- Create Powerpoints for the delivery of 'word heavy' content
- Scan notes/diagrams and make these available on your schools VLE
- Record your voice explaining a topic. Make it available to students via your VLE or sites like Tumblr
- Use Windows MovieMaker to create movie files that incorporate images and content
- Record directly from your PC screen with this freely downloadable software
- Create fun animations on this website and email the link to students
- Several free blogging sites are now available. Write your blog and email the link to students
- Access ready made video clips by authors like pajholden
- Film yourself teaching a topic (if you're brave enough!)

Those who need more time can watch the videos over and over again. Kinesthetic students can watch them while standing or walking.

SnagIt, Present.Me or Screencast-O-Matic are also excellent!