

# **KA1 Seminar: Student-Centered Classroom: Teachers as Promoters of Active Learning**

**13-18 July 2020**

**Berlin - Germany**



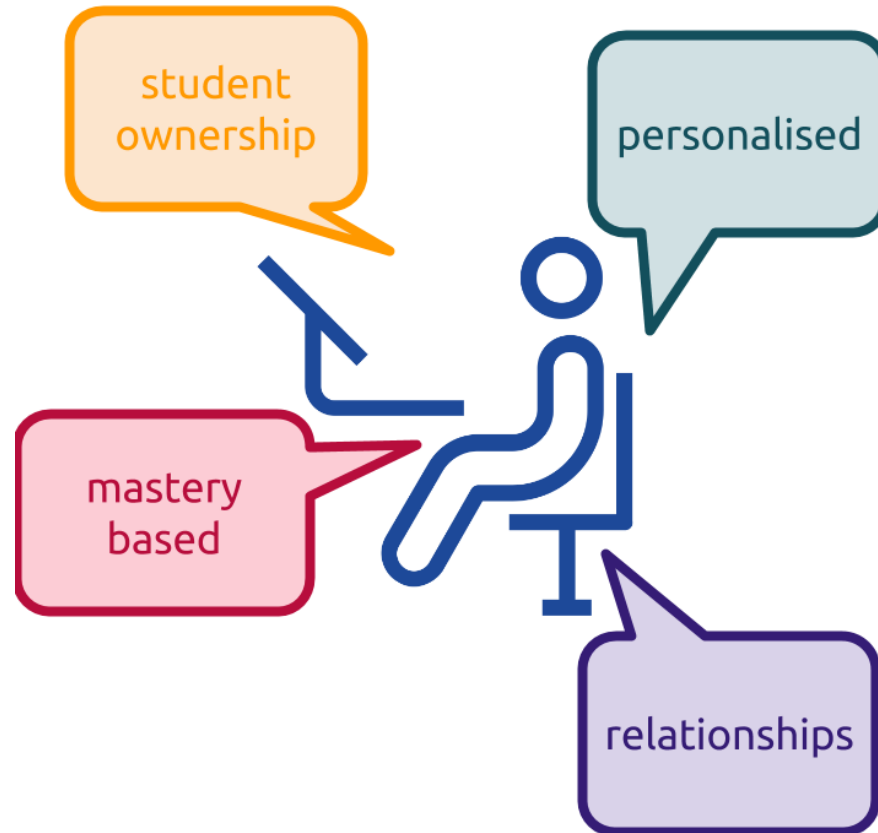
# Student-Centered Classroom

keep learners **at the center** of the designing process



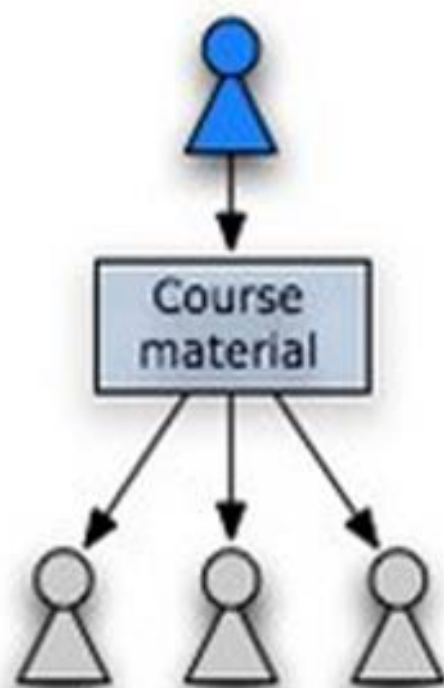
*"I expect you all to be independent, innovative, critical thinkers who will do exactly as I say!"*

**Vs**



## Learning experience

## Teaching



= learner



= teacher

# Active learning

- **all students are asked to engage** in the learning process.
- **No expert.**
- **many forms** and be executed in any discipline.
- **engage students in small or large activities.**
- **place a greater degree of responsibility on the learner** but instructor guidance is still crucial
- **may range in length.**
- **student participates or interacts** with the learning process

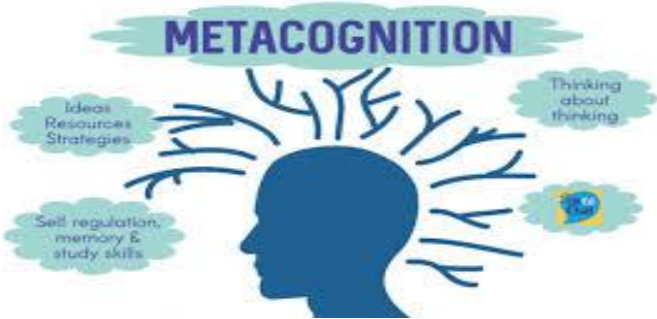
## **Why Use Active Learning?**

- ✓ **Creates personal connections which increases motivation to learn.**
- ✓ **Reinforces and practice important concepts and skills.**
- ✓ **Provides more frequent and immediate feedback to students.**
- ✓ **Provides opportunities to think about, talk about and process course material.**
- ✓ **Builds self-esteem through interaction and conversations.**
- ✓ **Creates a sense of community in the classroom.**
- ✓ **...**

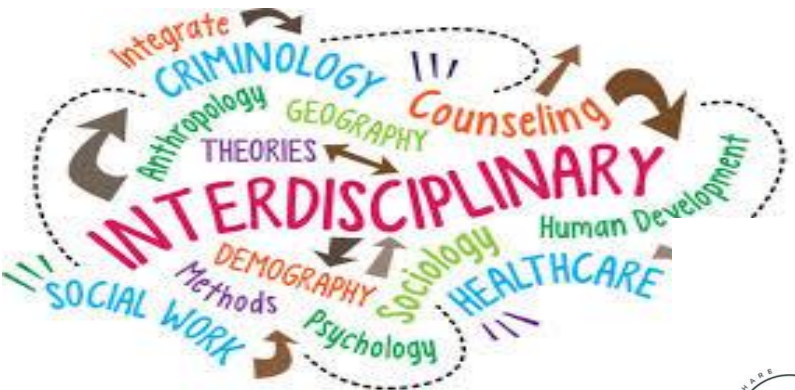
## **A few active learning techniques / strategies**

- **Project based learning**
- **Task based learning**
- **Cooperative learning**
- **Flipped classroom**





# Project Based Learning



# Project based learning (or project?)

PROJECTS	PROJECT-BASED LEARNING
Can be done alone	Requires collaboration and teacher guidance
About the product	About the process
Teacher-directed	Student-directed
All projects have the same goal	Students make choices that determine the outcome
Products are submitted to the teacher	Products are presented to an authentic audience
Lack real-world relevance	Based in real-world experiences or problems
Occur after the "real" learning	Real learning occurs through the project





## **PLS in steps**

- **Driving question**
- **Need to know**
- **Imagine & Inquire**
- **Next Generation Skills**
- **Voice and Choice**
- **Feedback & Reflection**
- **Public demonstration**

## Hard Skills

Teachable abilities or skill sets that are easy to quantify.

你好吗?

Proficiency in a foreign language



A degree or certificate



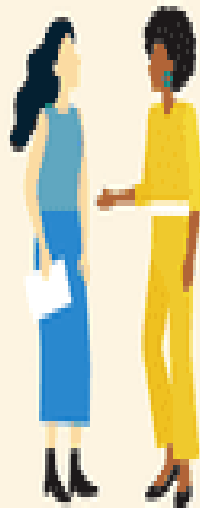
Typing speed



Machine operation



Computer programming



## Soft Skills

Also known as "people skills" or "interpersonal skills."



Communication



Flexibility



Leadership

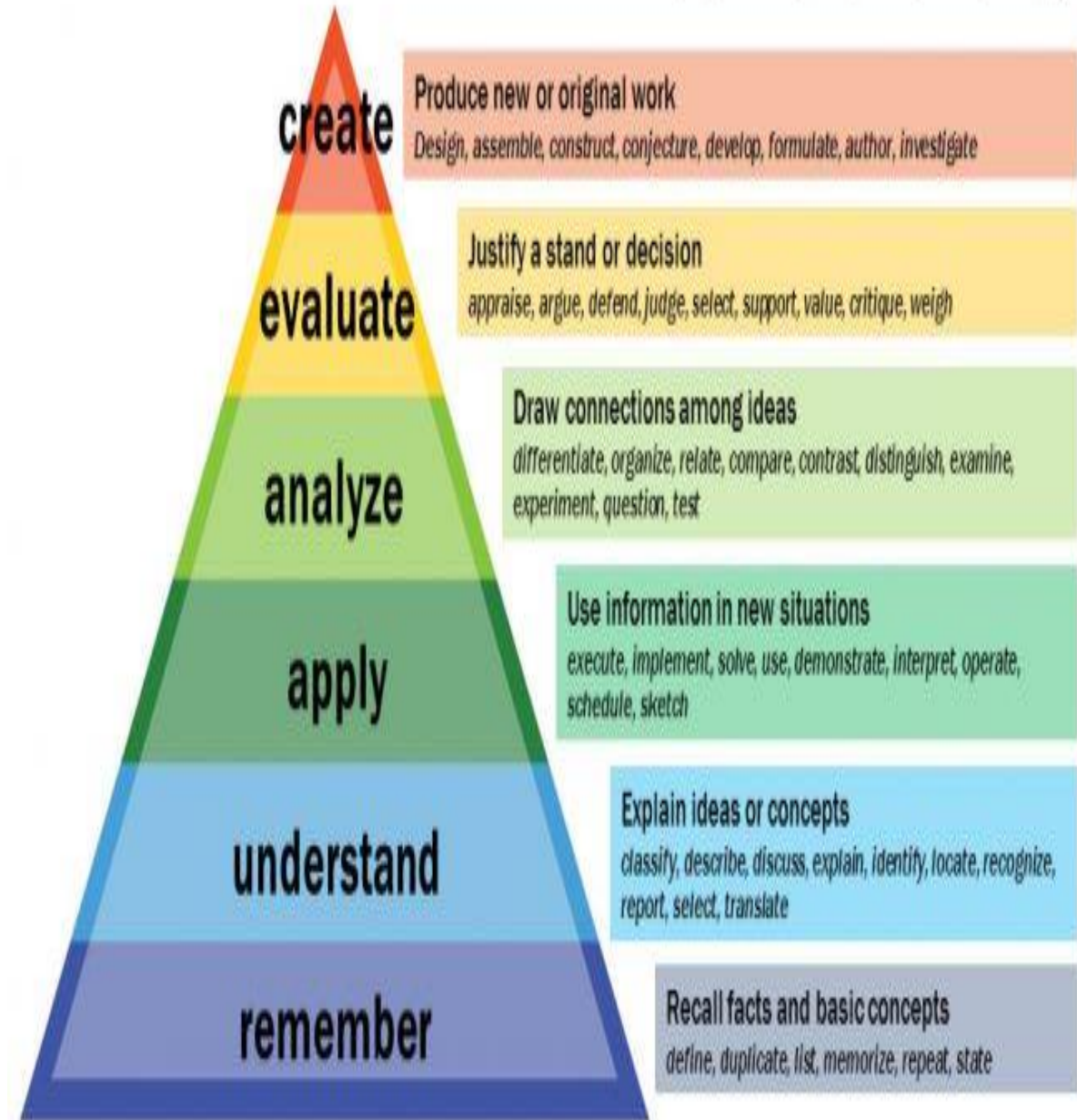


Teamwork



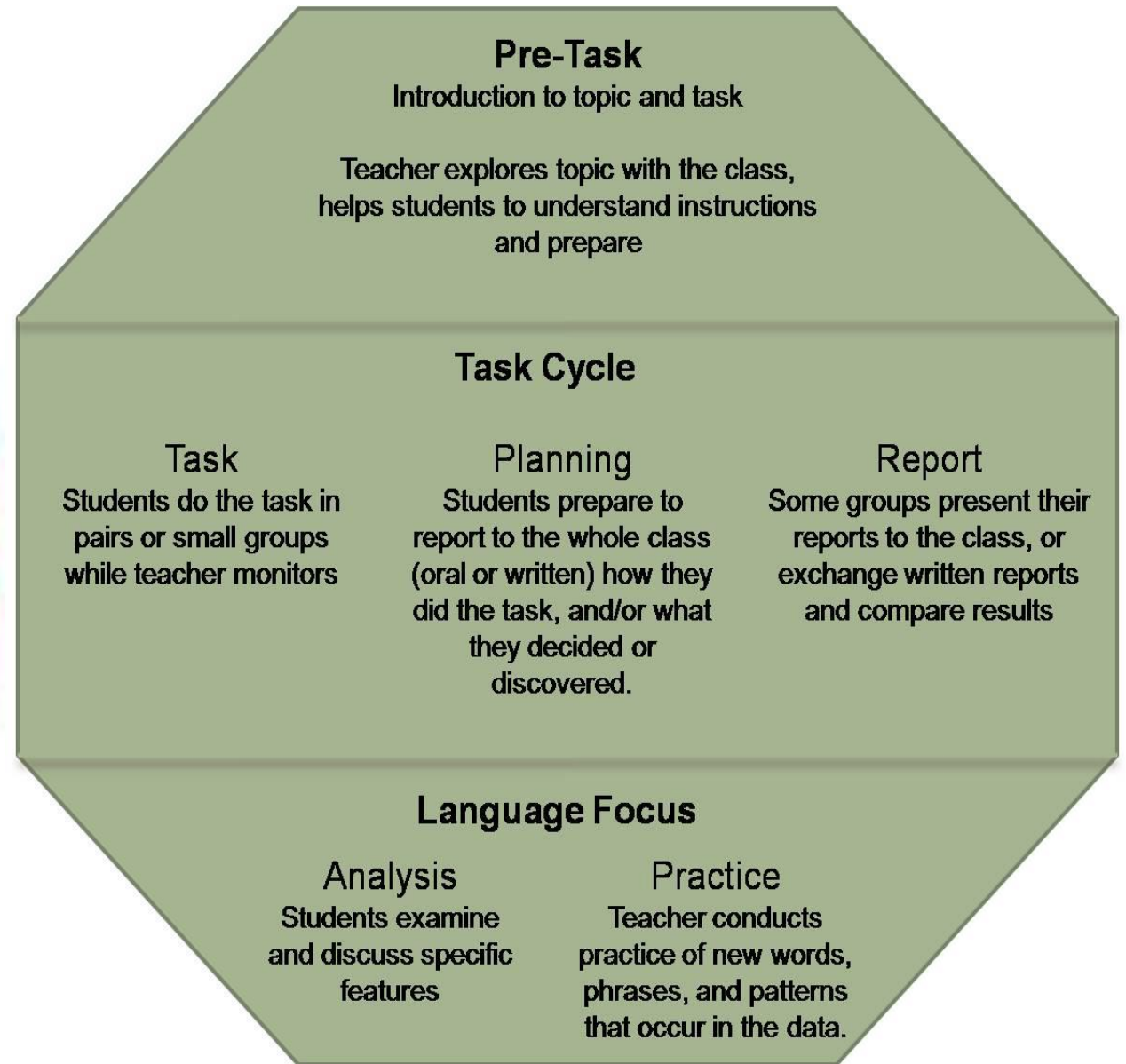
Time Management

# Bloom's Taxonomy





# Project based learning Vs Task Based Learning



# Cooperative learning



## 5 Essential Elements

### Individual Accountability



- How learners are accountable to the group and themselves.
- Personal Responsibility.



### Group Processing

- What is it:
  - Reflect on group's work.
  - Did the group achieve their goals?
  - Set new goals for next session?
- What it looks like:
  - Feedback.
  - Celebration of completion.



# MAIN ROLES IN GROUP WORK

## COORDINATOR



Makes certain that everyone contributes and keeps the work on task.

## RECORDER



Keeps notes on important thoughts expressed in the group.  
Writes final summary.



Shares summary of group with large group. Speaks for the group, not just a personal view.

# SOME OTHER ROLE CARDS:

## MATERIALS MANAGER



Gathers materials needed for the project and helps keep them organized.

## TIME KEEPER



Keeps track of time and reminds group how much time is left.

## HELPER



## CHECKER



## DIAGRAMMER

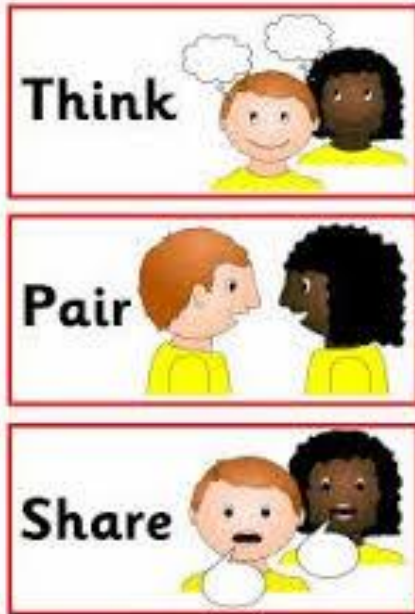


## RESEARCHER

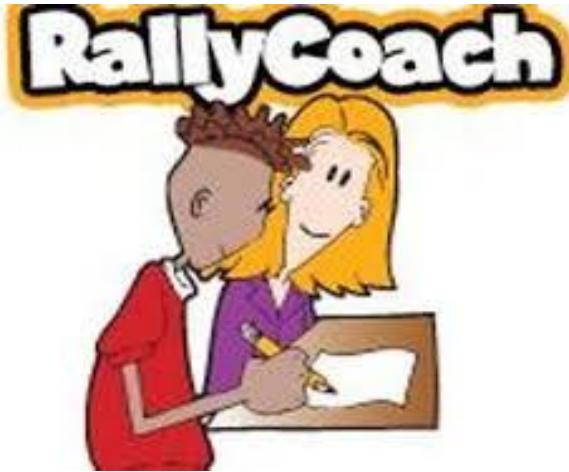




Think, pair and share prompt cards



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## Work in Pairs



A cartoon illustration of a boy in a green shirt and a girl in a pink shirt. The girl is holding a round clock and pointing to it with her other hand.

### Timed Pair Share

In pairs, students share with a partner for a predetermined time while the partner listens. Then partners switch roles.

# Promoting Positive Interdependence: The Jigsaw Approach

## JIGSAW

### Round 1 - Focus Groups

Divide students into groups and give each group a different task to read and discuss.






### Round 2 - Task Groups

Mix the groups so that students can bring their specific focus to a common task or problem.



# Cooperative learning

## Group Work vs. Cooperative Learning

<b>Teacher A Traditional</b>	<b>Teacher B Group Work</b>	<b>Teacher C Cooperative Learning</b>
Same: number of students, demographic make-up, lesson		
 <ul data-bbox="512 911 996 1396" style="list-style-type: none"><li>• Rows and columns all day</li><li>• Teacher gives a task</li><li>• Teacher provides think time</li><li>• Students raise hands</li><li>• Teacher calls on one student</li><li>• One student answers</li><li>• Teacher responds</li></ul>	 <ul data-bbox="1029 911 1531 1239" style="list-style-type: none"><li>• Teacher gives a task</li><li>• Teacher says:<ul data-bbox="1105 1053 1498 1168" style="list-style-type: none"><li>• “Work together.”</li><li>• “Help each other.”</li></ul></li><li>• Unstructured interaction</li></ul>	 <ul data-bbox="1569 911 2002 1210" style="list-style-type: none"><li>• Teacher gives a task</li><li>• Teacher provides think time</li><li>• Student-to-student structured interaction</li></ul>



# GROUP WORK

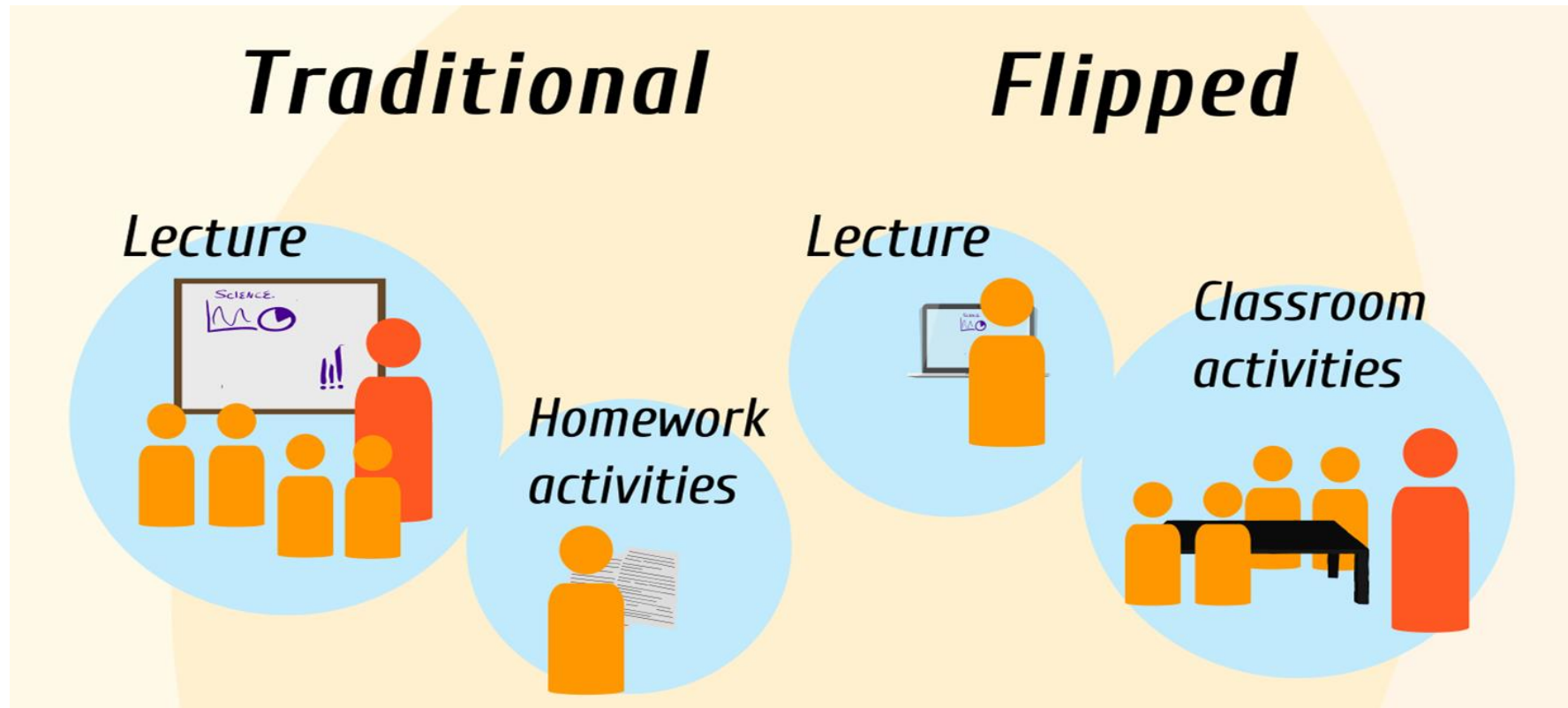


# COOPERATIVE LEARNING

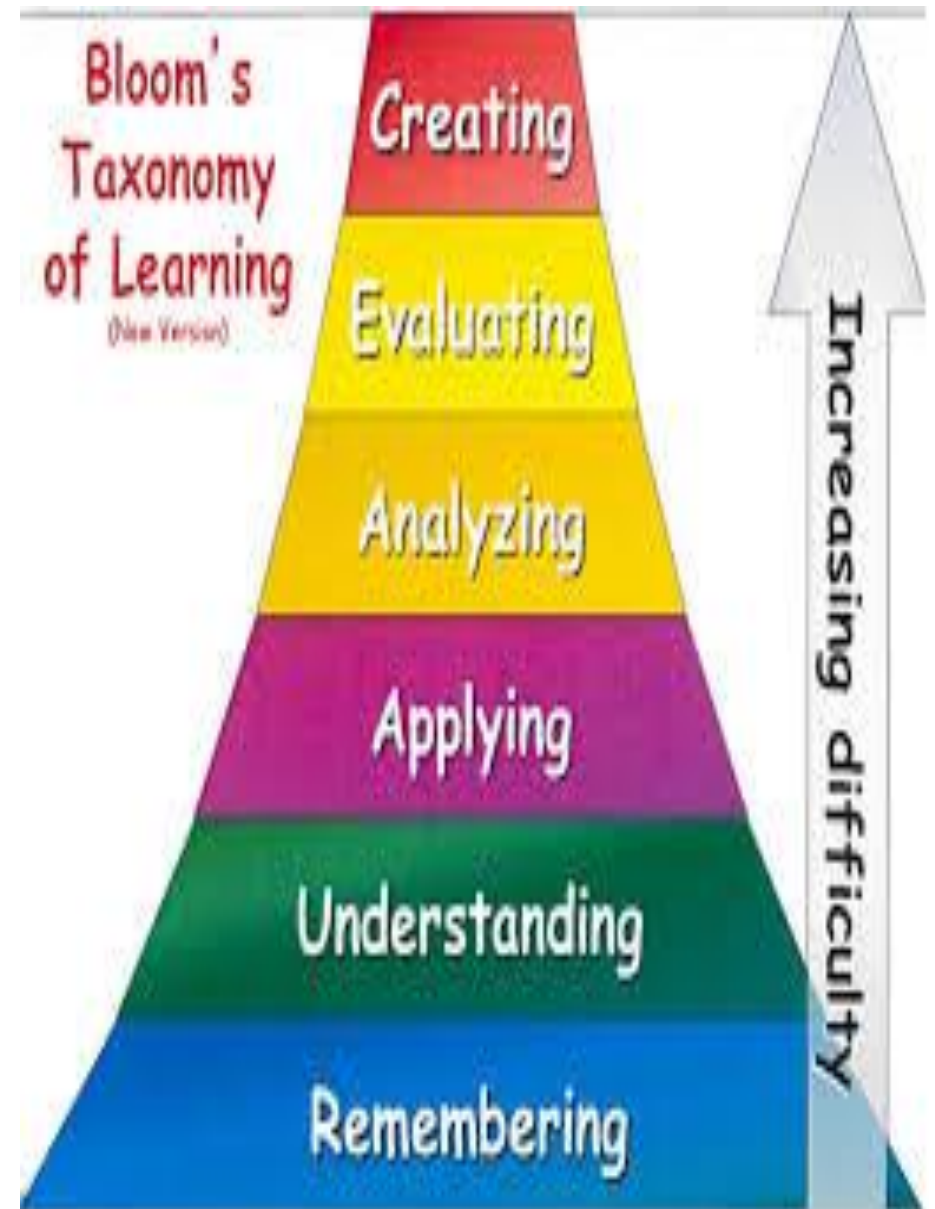
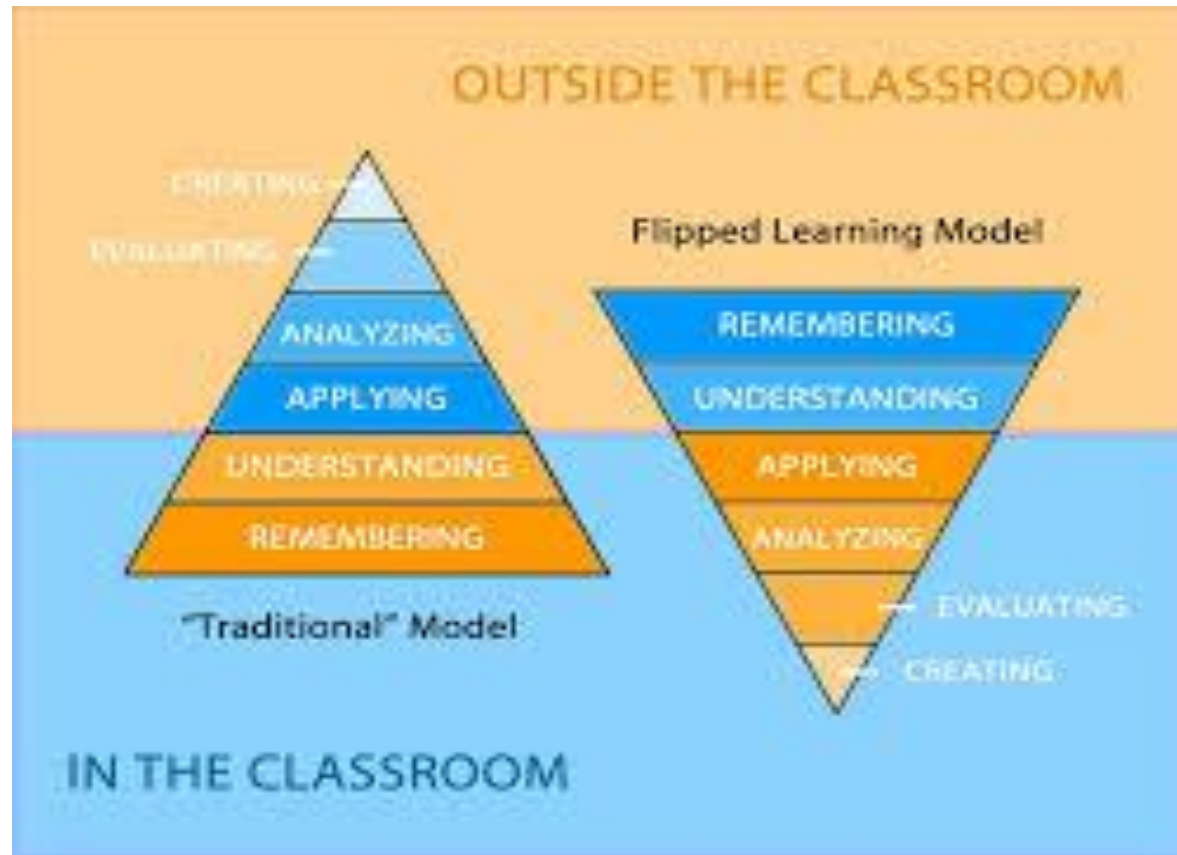


# Flipped classroom

How it works:



# Flipped Classroom and Bloom's Taxonomy





# 7 Models of Flipped Classroom



**Inverted  
Classrooms**

**Discussion  
Oriented**

**Demonstration  
Focused**

**Faux  
Flipped**

**Group  
Based**

**Virtual  
Flipped**

**Teacher  
Flipped**

Watch  
lectures at  
home, do  
homework in  
class

Assign  
content to  
study,  
discuss in  
class

Demonstrate  
principles  
with content,  
practice in  
class

Watch  
content in  
class, review  
as needed

Students  
watch  
material,  
teach each  
other in class

Watch  
content and  
do work  
remotely (all  
online)

Students  
create content  
to study at  
home

# Flipped classroom useful tools

## Sharing material before class:



# Useful tools



# Useful tools

## Record your own lecture

**Screencast**  
  
**Matic**

