

Flipped Classroom

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Objectives

At the end of this session the attendee will be able to :

- define flipped classroom
- appreciate the importance of constructing a flipped classroom
- identify the different techniques for implementation of a successful flipped classroom
- criticize flaws in flipped classroom implementation
- demonstrate a well structured plan of a flipped classroom in his area of expertise

Why?

- What is education?
- Who are we and what are we doing?
- Who are our students?
- What is happening in educational world today?

What is education?

Education in the general sense is a form of learning in which the knowledge, skills and habits of a group of people is transferred from one generation to the next through teaching training or research.

Who are we and What are we doing?

- We are teacher
- Preparing a person to face everyday life
- We are here to teach all of our students, not just the smart ones. So we need to continuously find venues, often a variety that can reach all different types or students.

**“I NEVER TEACH MY PUPILS. I ONLY ATTEMPT
THE CONDITIONS IN WHICH THEY CAN LEARN”**

--- Albert Einstein

Who are our students?

- **The baby boomers** (born between 1946 and 1964) growing up in a time of economic expansion & prosperity, major social movements & national

Core values include optimism, team orientation, personal gratification, health & wellness, personal growth, work and involvement

- **Generation X** (born between 1965-1977) witnessed corporate layoffs and corruption, inflation, the energy crisis, and nuclear proliferation.

Core values include diversity, thinking globally, balance, techno – literacy, fun informality, self-reliance and pragmatism.

Who are our students?

Contd...

- **Generation Y (Millennials)** (born 1977-mid 1990's) grew up being defined by 9/11 bombings in Oklahoma city and school shootings.

Core values include optimism, confidence, achievement, diversity, sociability, morality. Comfortable to use of social media and digital technologies.

- **Generation Z** (born mid 1990s to present) grew up with the internet, cell phones, I-Pads and I-Pods. They get information fast and expect it quickly. They often are seen as impatient and are technically savvy.

Core values are a sense of social justice, philanthropy and maturity that comes with growing up in an economically depressed time

Who are our students?

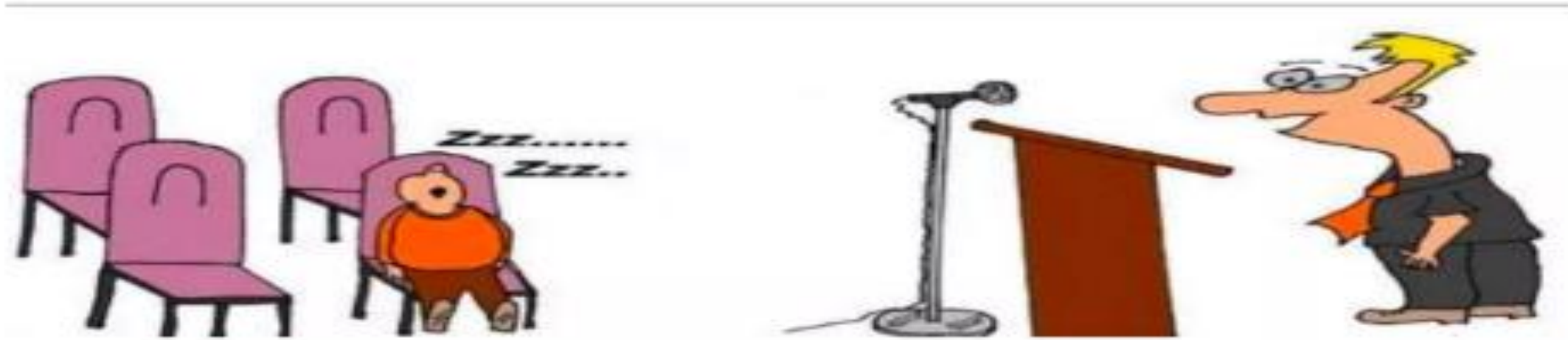


What is happening in educational world today?

- Education system today is challenging and needs changes
- Quality of education must be improved rather than quantity



THE KHAN ACADEMY



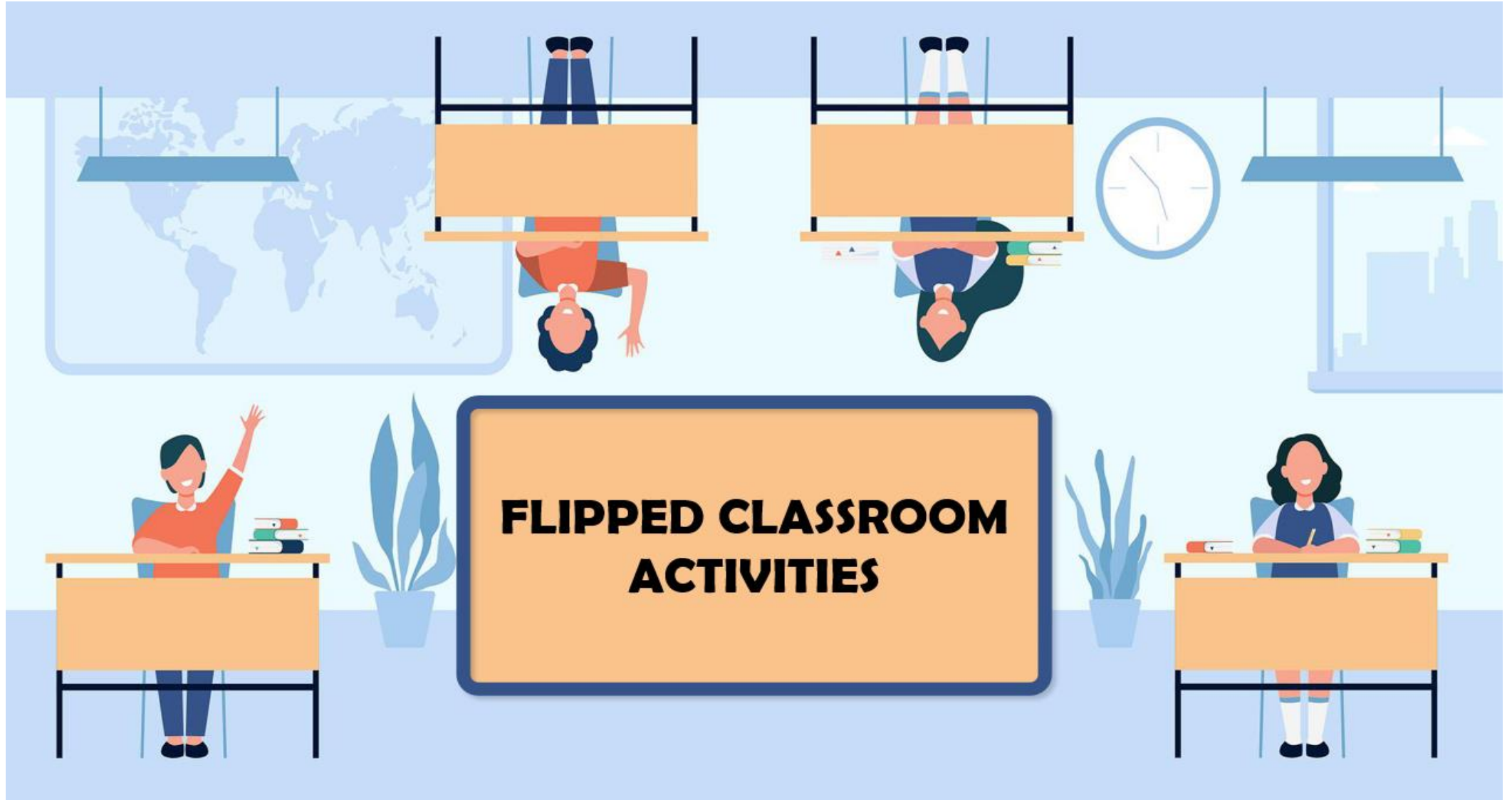
What is Flipped Classroom?

Flipped Classroom is a teaching strategy that reverses the traditional learning environment by delivering instructional content, outside of the classroom. It moves activities like projects, assignments, home works, etc. into the class.

What is Flipped Classroom?

Contd...

What is typically presented in class (i.e. lectures, content, background knowledge, or real life experiences) by a live teachers, students receive at home via a podcast, YouTube video, and/or other online resources



Pre-class activities

- **Text materials**
- **Note-taking**
- **Online exercises**
- **Online group discussion**
- **Exploration & Explanation**

In-class activities

- **warm-up quizzes**
- **Brief collaborative discussion**
- **Brief review**
- **Brief lectures**
- **Individual practice.**
- **Small-group activities through teamwork.**
- **Student presentation.**

Post-class activities

- **Self-evaluation.**
- **Reflection of the learning experiences.**
- **Elaboration of lesson learned.**

The Flipped Classroom is:

- **Content knowledge is gained at home**
A means to increase teacher contact time
- **100% of instructional time is active learning**
A class where all students are engaged in their learning
- **More one to one teacher/student time**
- **More academic talk and vocabulary**
 - A class where all students are engaged
 - A class where absent students won't fall behind

Decide which technology you'll use



Pick your video platform



Format based on student feedback



Make your videos



Verify that students view videos



Be consistent



Reflect and improve

7 Steps to a Flipped Classroom

The Flipped Classroom is **NOT**

- **Just online videos.**
About replacing teachers with videos
- **An online class**
Students spending the entire class online
- **Students working without structure**
Students working in isolation

How to start Flipping your Classroom?

- Don't think you have to make your own videos there is much available now **Online**
- Takes time to **Plan** on what “parts” of your content/classroom you want to flip-not everything fits with flipping
- Find **Help** (like Centre for Medical Education) or a partner to work with to help you

How to start Flipping your Classroom? Contd...

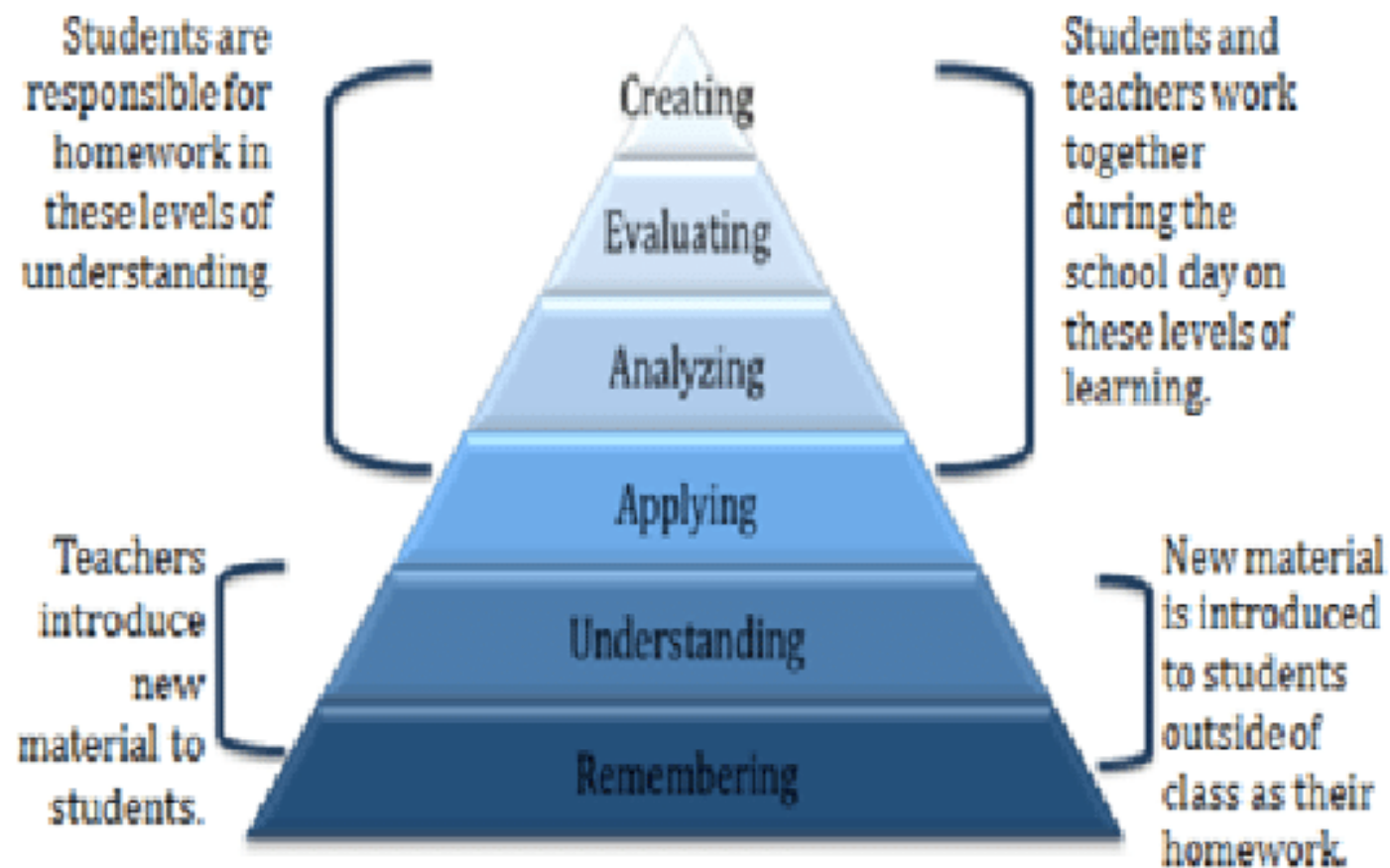
- Find out what is the “**Best**” way to **Access your students**”
what access to they have at home
- Find a way to **engage** students in the video, not just
“**engage**” students in the videos not just “listening” to
lectures on files. Should follow by some sort of discussion
questions, etc.

Advantages of Flipped Classroom

- Students take ownership for learning
- It promotes student-centered learning and collaboration
- Lessons and content are more accessible
- It emphasizes on co-operative learning
- It gives more time to explore the content
- It can be more efficient

Traditional Model

Flipped Model



Disadvantages of Flipped Classroom

- It creates digital divide
- It depends on preparation and trust
- Teachers may have extra work
- Students may forced to spent time in front of the screen

Traditional Classroom Learning Approach

Before the Class



The learners come to the classroom based on the topic and schedule given to them.

In the Classroom



The instructor delivers the lecture to the classroom and provides with the study material.

After the Class



The learners are given practice exercises or activities to enhance their learning.

Flipped Classroom Learning Approach

Before the Class



The learners are given study material to read and assimilate the learning content.

In the Classroom



The learners discuss the content with their peers and the instructor.

After the Class

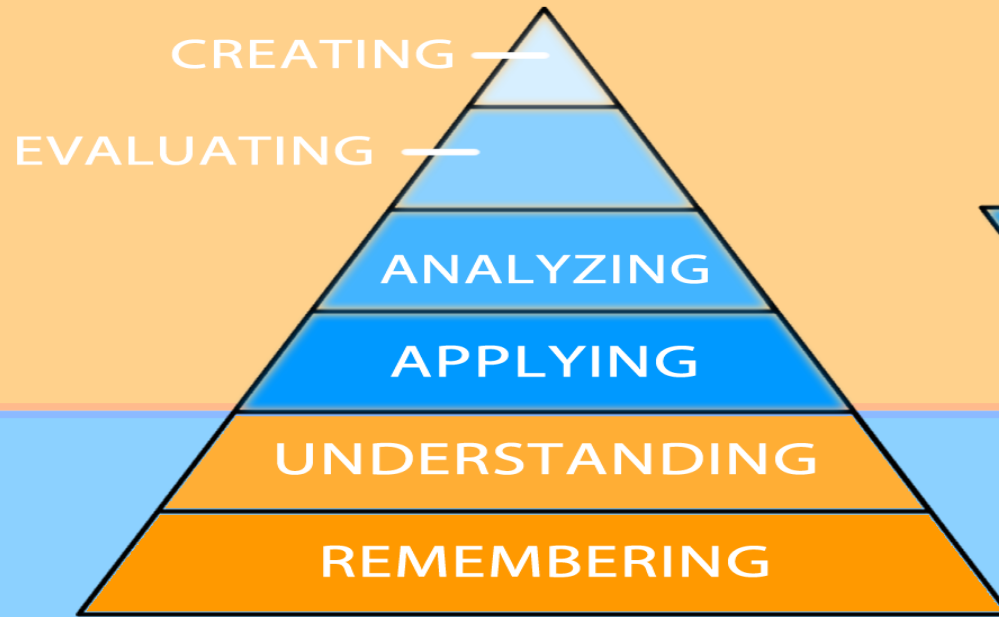


The learners check and confirm their understanding by doing further learning activities.

Traditional versus Flipped Classroom

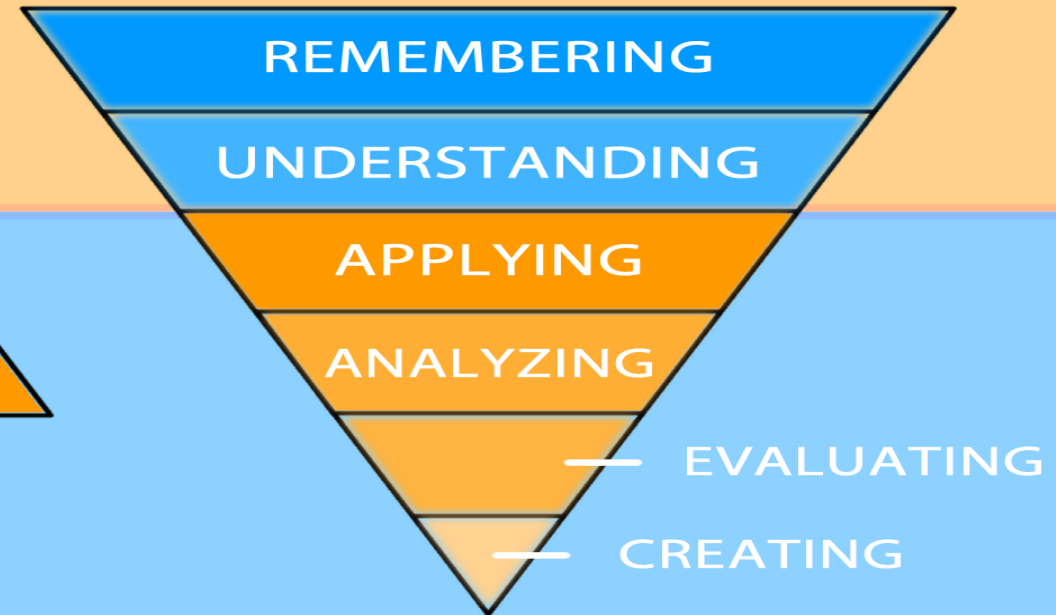
	Traditional	Flipped
Before class		Students do reading or watch lecture prior to class
During the class	Students watch lecture given by professor	Range of activities, discussions or quizzes led by professor but centered on students to consolidate understanding
After the class	Students consolidate understanding	Students further consolidate understanding and prepare for next class

OUTSIDE THE CLASSROOM



“Traditional” Model

Flipped Learning Model



IN THE CLASSROOM

TIPS FOR PLANNING AN EFFICIENT FLIPPED CLASS

Tips for flipped classroom

- Keep it simple and avoid information overload
- Invest on the positive features of the flipped classroom and prepare your students
- Organize your course material and pre- class activities
- Utilize the blackboard to its best features
- Use class time effectively (and creatively)
- Use the flipped classroom according to the learners' needs

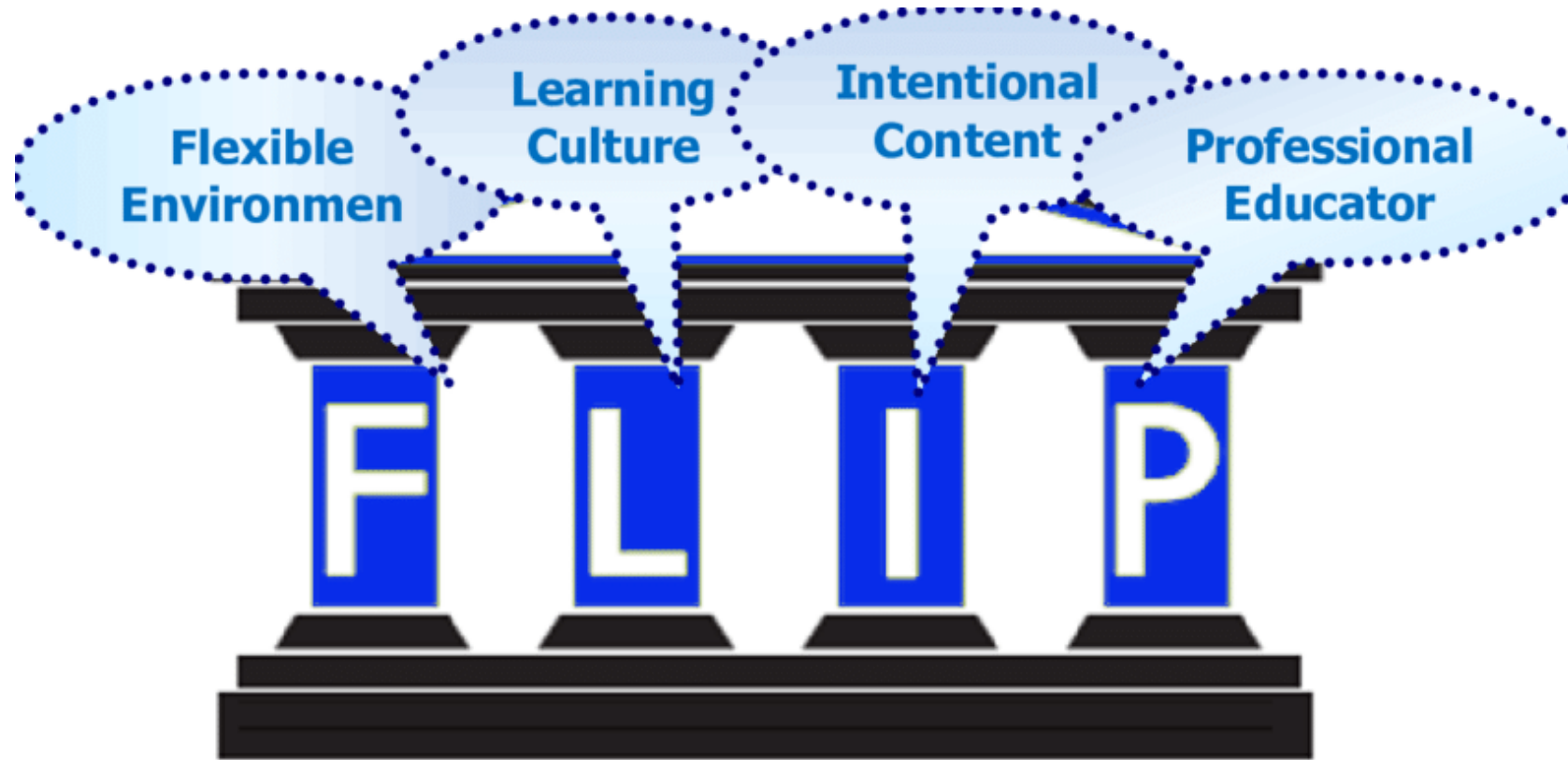
Tips for flipped classroom

Contd...

Remember that:

- You may take long time for preparation (to start the session for the first time).
- You may need to upgrade your knowledge in technologies.
- You should evaluate the flipped classroom approach before re-implementing it.
- You can only apply some features of "flipping" the classroom.

Four(4) pillars of flipped classroom



References

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Group Work

- Teams to plan a flipped class
- Teams to present their findings



Thank You

