



# PROMOTING ACTIVE LEARNING THROUGH THINKING CLASSROOM

THAPAR INSTITUTE OF ENGINEERING & TECHNOLOGY (Deemed to be University)

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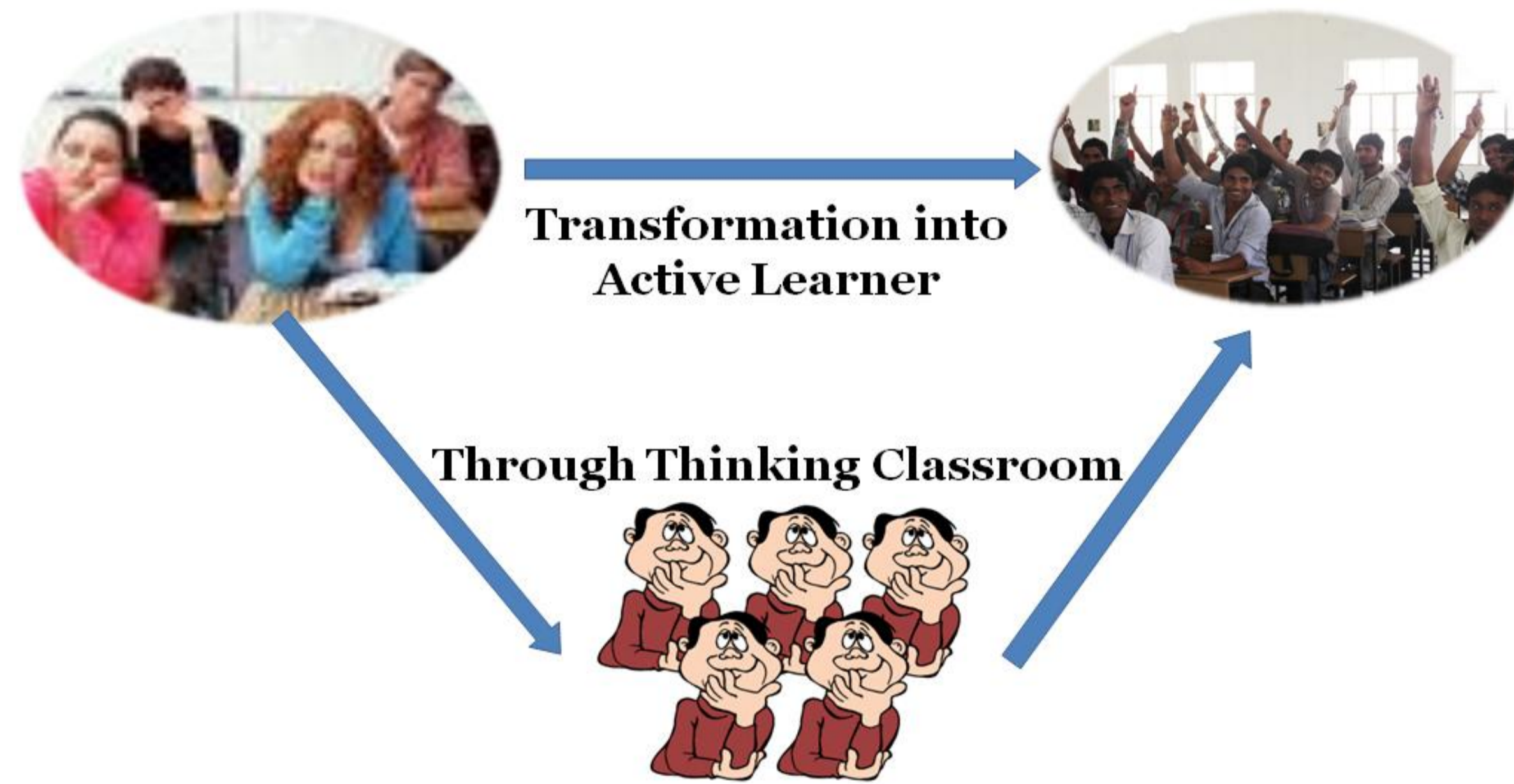
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## AIM

The aim of the poster is to create higher order thinking environment inside the classrooms.

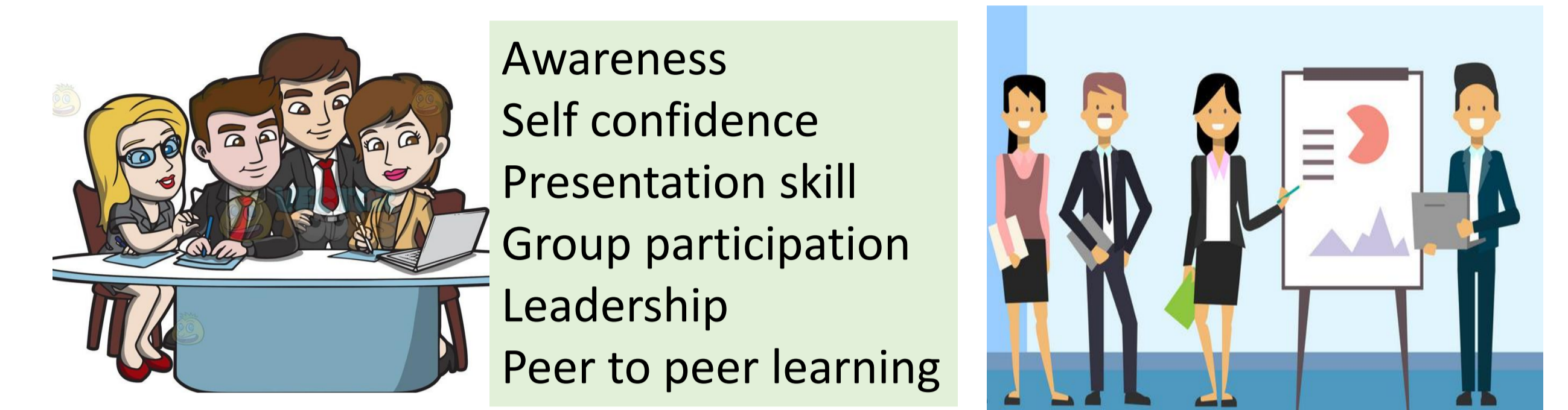


## OVERVIEW

What to promote through thinking classroom?

Team Level	Personal Level	Behavioural Level
<ul style="list-style-type: none"> <li>Leadership skill</li> <li>Teamwork skill</li> <li>Organisational skill</li> <li>Entrepreneurial skill</li> <li>Adaptability/Flexibility</li> </ul>	<ul style="list-style-type: none"> <li>Motivation &amp; initiative</li> <li>Interpersonal skill</li> <li>Communication skill</li> <li>Computer skill</li> <li>Analytical skill</li> </ul>	<ul style="list-style-type: none"> <li>Strong work ethics</li> <li>Self confidence</li> <li>Polite behaviour</li> <li>Creativity</li> <li>Honesty/Integrity</li> </ul>

## ACTIVITY-3: RESEARCH ORIENTATION<sup>3</sup>



## ACTIVITY-4: FLIPPED CLASSROOM<sup>4</sup>

THE FLIPPED CLASSROOM

Flipped Classroom is a blended learning model in which instructions are passed on to individuals instead of groups and resulting group space (classroom) becomes interactive learning environment

**Concept**

- Videos replace lectures
- More interaction and face-to-face time in classroom
- Higher student engagement

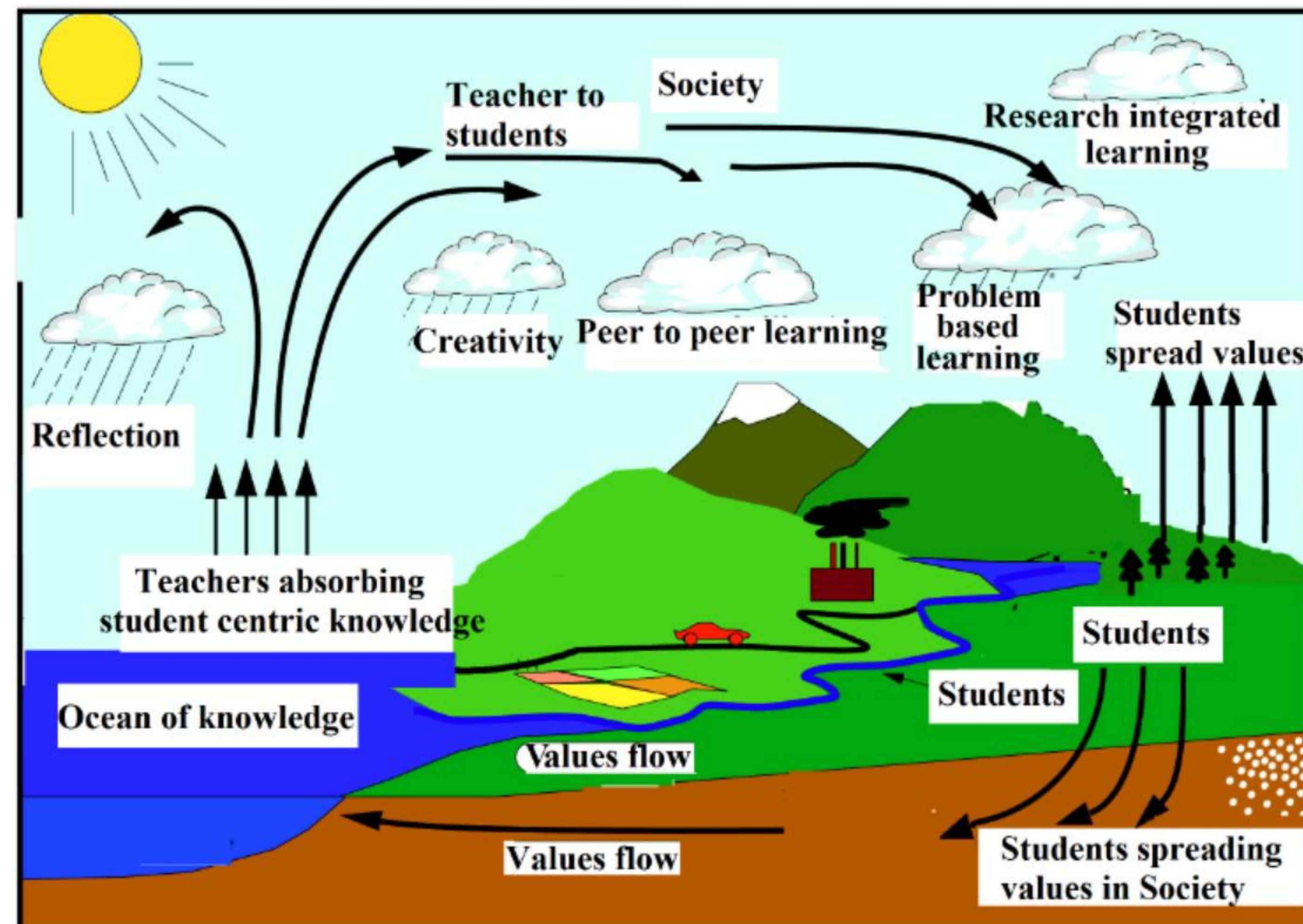
	Teacher	Student
<b>At Home</b>	<ul style="list-style-type: none"> <li>Create video lecture</li> <li>Share with students</li> </ul>	<ul style="list-style-type: none"> <li>Watch lecture</li> <li>Prepare questions for the teacher</li> </ul>
<b>At School</b>	<ul style="list-style-type: none"> <li>Facilitate discussions</li> <li>Answer student questions</li> </ul>	<ul style="list-style-type: none"> <li>Ask questions</li> <li>Participate in learning activities</li> </ul>

5 Benefits of Flipping the Classroom

- Efficient and Reusable
- Student Controlled Learning
- Engagement Based Learning
- Content Representation
- Cost-effective Implementation

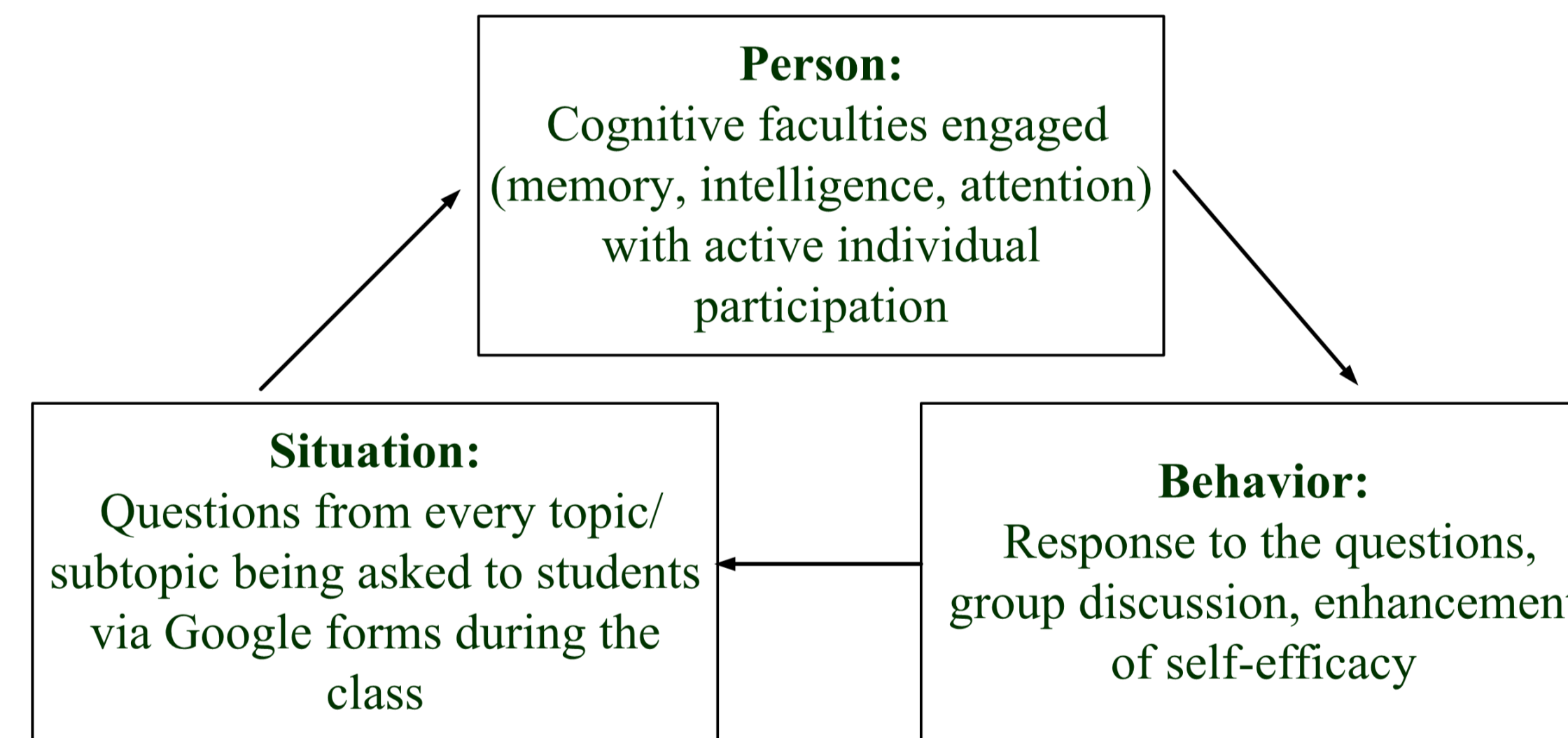
## WATER CYCLE MODEL : AN ANALOGY TO STUDENT LEARNING

Teachers are absorbing relevant knowledge and clouds of various student-centric activities are formed. Raining instil values into students for the well being of the society.



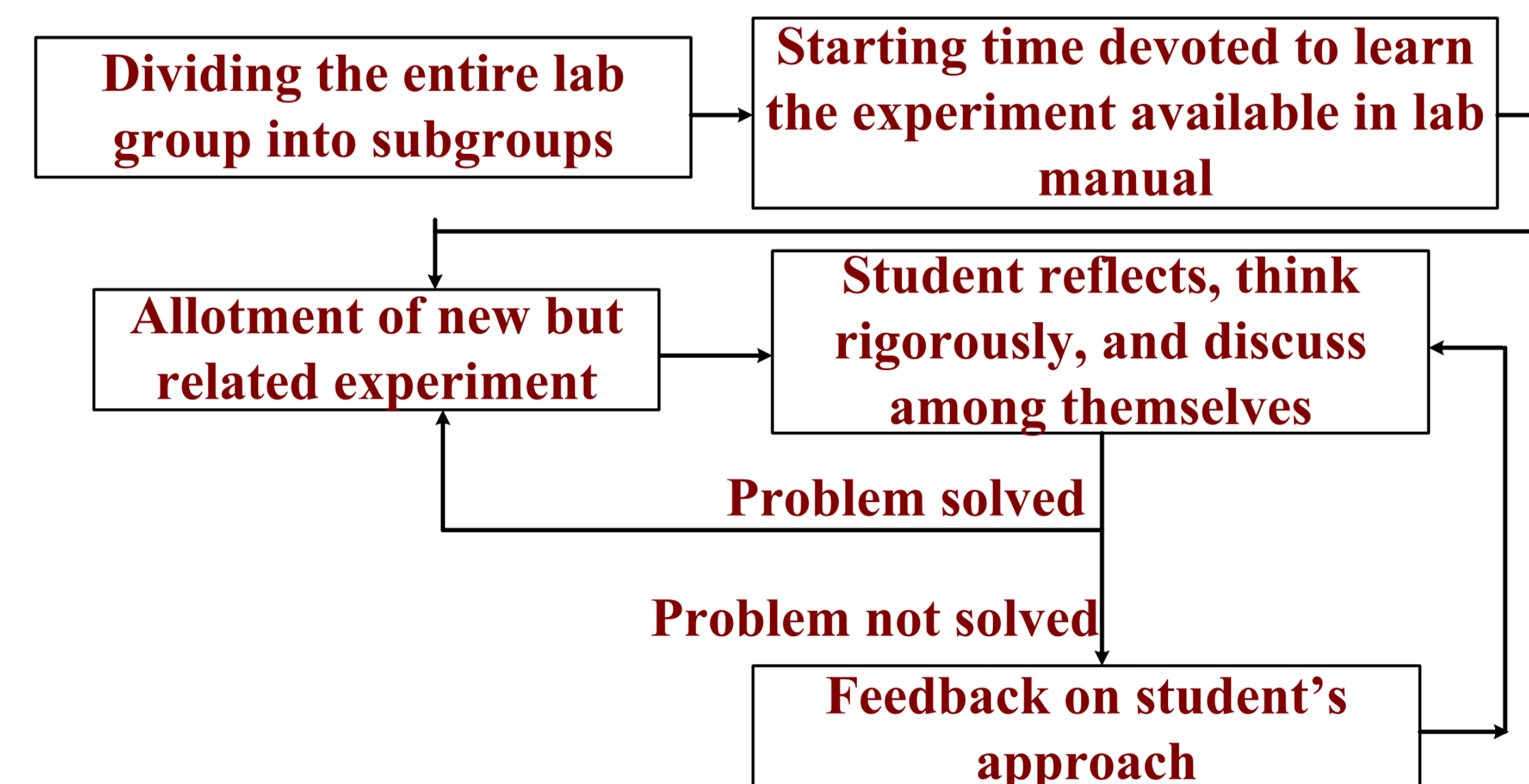
## ACTIVITY-1: SOCIAL COGNITIVE THEORY<sup>1</sup>

Cognition mediates the relationship between environment and behaviour. The essence of the social cognitive theory is illustrated below:



## ACTIVITY-2: THINKING LAB<sup>2</sup>

This activity is intended to transform routine lab work into a thinking lab environment.



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