Deciding a Pedagogy model
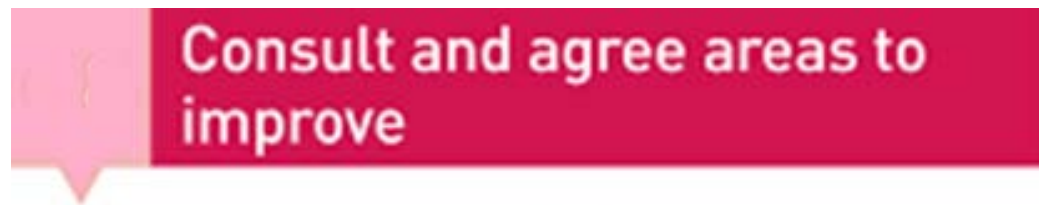

Consult and agree areas to improve

TEACHER   PEDAGOGY INNOVATORS   TEACHER

Learning objectives

After going through this part, you will be able to

- Explain teaching strategies
- Decide a pedagogical tool for a topic

Driving force to use pedagogy model

To teach is to engage students in learning[]

[] Education for Judgment: The Artistry of Discussion Leadership, Cambridge, Mass.: Harvard Business School, 1991, Christensen, C.R., Garvin, D.A., and Sweet, A.

Teaching strategies

There are a variety of teaching strategies that instructors can use to improve student learning[3]

[3] pedagogy.merlot.org/TeachingStrategies.html

Implementing teaching strategy needs

Teacher deals with classroom management skills and content related skills

Classroom management	Pedagogy for Content
Setting rules and regulations in the class	Should engage students actively
Managing behavior	Should impart good knowledge

Teacher must be able to anticipate and respond to the students' learning needs and challenges[4]

[4] http://www.wisegeek.com/

Teaching strategy- Active Learning

- is anything that students do in a classroom other than merely passively listening to the lecture.

- improves students' understanding and retention of information

- can be very effective in developing higher order cognitive skills such as problem solving and critical thinking

Active learning in topic of Congestion control from Computer Networks subject can be implemented by an activity "NAME IT" -

- Agreeing on a certain traffic pattern before communicating .…
- Reliability, delay, jitter and bandwidth come together…..
- Having abundant resources to provide quality of service…..
- Increases the delay, does not affect reliability and bandwidth but smoothens the jitter….
- Smoothens the traffic with uniformity…..

Teaching strategy- Collaborative Learning

- is a method of learning in which students form a team to explore a problem or task

- makes the team/ group responsible

- can happen in class or out of the class

- Example – Assigning a project to a team

Teaching strategy- Cooperative Learning

- is a specific kind of collaborative learning
- makes students work together in small groups on a structured activity
- makes each student individually accountable for his/her work
- assesses the work of the group as a whole
- works face-to-face and work as a team
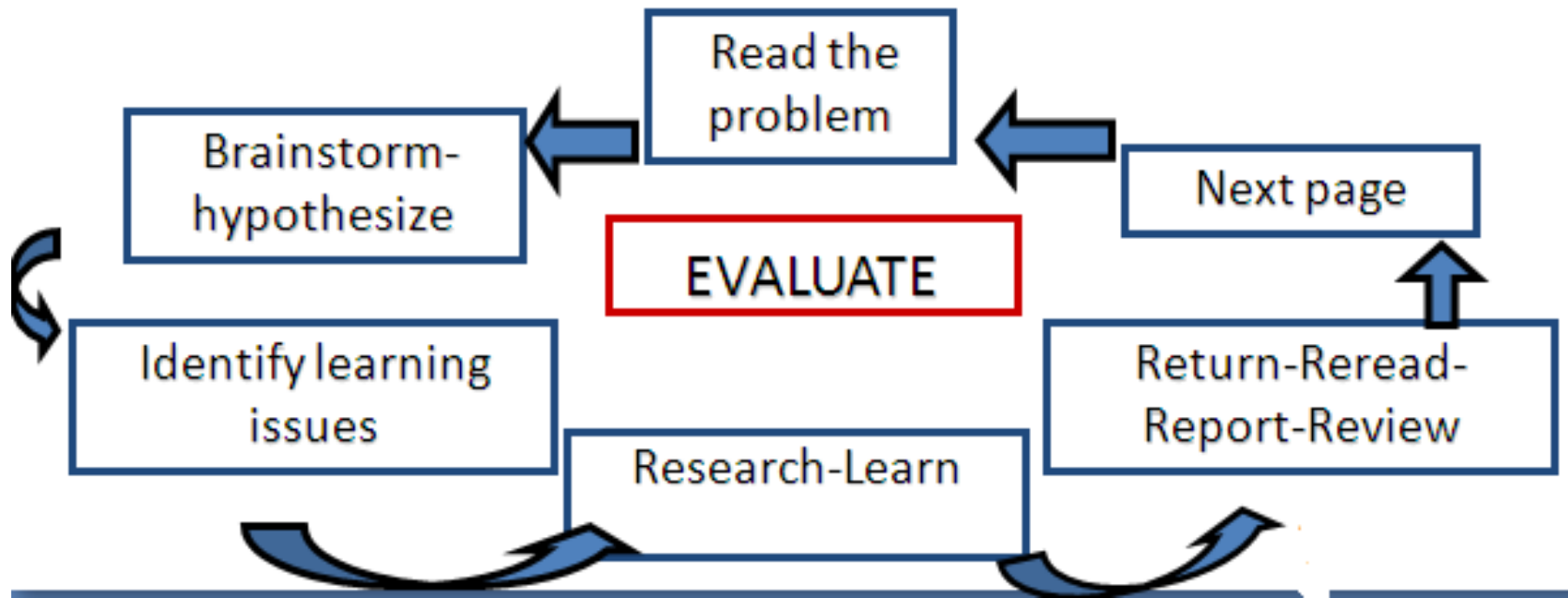- Example- Think, Pair, Share

Teaching strategy- Problem based learning (PBL)

PBL is a learning-centred pedagogy based on current theories of learning including constructivism, social constructivism and situated learning[5]

[5]Problem-based *learning clearing house*
https://chico.nss.udel.edu/Pbl/

Problem Based Learning

Mr. Patel is the owner of a national company manufacturing electromagnetic products. Recently his company merged with an international company with a different organizational culture…….

Pedagogical tools/ models can be used to execute teaching strategies

Deciding a pedagogy model

- Students should feel safe and interesting about the pedagogy model
- Variety of pedagogy models should be used to keep the enthusiasm intact in students
- Pedagogy model should be appropriate to the topic
- Pedagogy model should be realistic
- Objectives of the topic should be met by executing the pedagogy model