

* Activity - 1 *

1) prepare self instructional material on any one topic and analyse its effectiveness for individualized learning.

Part - A

Self Instructional material :

Self-instructional material plays an important role in the teaching-learning process at all levels of education and training. They are materials specifically designed to enable learners to study partly or wholly by themselves and have been described as "Tutorial-In-print" (Rowntree, 1998).

Major characteristics of self-instructional material are : self-explanatory, self-contained, self-directed, self-motivating, and self-evaluating.

Analysis of the effectiveness of self instructional material for individual learning :

The following points should be considered while analyzing and evaluating the effectiveness of self instructional material

for individual learning.

- ⇒ objectives were clear and attainable.
- ⇒ The quality of content was good.
- ⇒ Language and style of self-Instructional material was good.
- ⇒ presentation style of the material was clear.
- ⇒ Logical sequence of content was good.
- ⇒ All topics were related with each other.
- ⇒ The material was according to grasping capacity of the students.
- ⇒ Material was related to social demands.
- ⇒ Examples, charts, definitions and diagrams were presented clearly in the book.
- ⇒ self assessment questions were linked to the content of the material.
- ⇒ material was easy and interesting.
- ⇒ All frames were equally easy.
- ⇒ material was useful to the students for the completion of assignments.
- ⇒ students were motivated by material.
- ⇒ Material was free from errors.

Part - B

I have prepared self instructional material on the topic 'collaborative learning'. The material consists of 10 frames.

Frame 1 :

concept of collaborative learning :

collaborative learning is a situation in which two or more people learn or attempt to learn something together. Unlike individual learning, people engaged in collaborative learning capitalize on one another's resources and skills.

collaborative learning is an umbrella term for a variety of educational approaches involving joint intellectual effort by students, or students and teachers together. usually, students are working in groups of two or more, mutually searching for understanding, solutions, or meanings, or creating a product.

Self Assessment Questions :

- 1) what is collaborative learning ?
- 2) How do students participate in this type of learning ?

Answers to the Questions of Frame-1:

- (1) collaborative learning is a situation in which two or more people learn or attempt to learn something together.
- (2) children participate in the group.

Frame 2:

Definitions of collaborative learning:

collaborative learning is the grouping and pairing of students for the purpose of achieving an academic goal - C. Gokhale 1995.

According to Gresslach collaborative learning is based on the idea that learning is a naturally social act in which participants talk among themselves, either face-to-face or online.

collaborative learning is similar to but not the same as co-operative learning. In collaborative learning the task is divided horizontally.

Self Assessment Questions:

- (1) what is collaborative learning according to Gokhale?
- (2) collaborative learning is based on the idea that learning is a naturally social act in which participants talk among themselves, either face-to-face or online who gives this definition?
- (3) Is collaborative learning is similar to co-operative learning.
- (4) In collaborative learning the task is divided vertically (True/False)

Answers to the Questions of Frame-2:

- (1) collaborative learning is the grouping and pairing of students for the purpose of achieving an academic goal.
- (2) Gestalt
- (3) yes
- (4) False. In collaborative learning the task is divided horizontally.

Frame 3:

Characteristics of collaborative learning:

collaborative learning begins with meaningful tasks that involve students participating in negotiating goals, responsibilities, and outcomes. collaborative learning is different from delegated group work. It actively encourages learning and focusing together, rather than delegating parts of a task.

shared knowledge is in many ways a characteristic of the traditional classroom, where the teacher is the information giver, but it also incorporates some student input, where the students share experiences or knowledge.

Self Assessment Questions:

- (1) collaborative learning is different from delegated group work.
- (2) what principle is involved in the above paragraph?

Answers to the Questions of Frame 3:

(1) True

(2) sharing knowledge is involved in the collaborative learning.

Frame 4:

Principles of collaborative learning:

The principles involved in collaborative learning are heterogeneous grouping, teaching collaborative skills, group autonomy, maximum peers interactions, equal opportunity to participate, individual accountability, positive interdependence and cooperation as a value.

Basic elements of collaborative learning are positive interdependence, individual and group accountability, interpersonal and small group skills, face-to-face promotive interaction, Group processing.

Self Assessment Questions:

(1) write any three principles involved in collaborative learning?

(2) write basic elements of collaborative learning?

Answers to the questions of frame 4 :

- (1) (i) Heterogeneous grouping
(ii) group autonomy
(iii) Maximum peer interactions.
- (2) positive interdependence, individual and group accountability, interpersonal and small group skills.

Frame-5:

Examples of collaborative learning :

computer supported collaborative learning is a pedagogical approach wherein learning takes place via social interaction using computers or through the internet. The study of CSCL draws on a number of academic disciplines, including instructional technology, educational psychology, sociology, cognitive psychology & social psychology. collaborative learning development enables developers of learning systems to work as network. Learning management system CL refers to a collection of tools which learners can use to assist, or be assisted by others.

Self Assessment Questions :

- (1) CSCL stands for ?
- (2) write any two examples of collaborative learning ?

Answers to the Questions of Frame 5:

- (1) computer supported collaborative learning.
- (2) (i) collaborative learning development.
(ii) computer supported collaborative learning.

Frame: 6

Best practices for collaborative learning:

Establish group goals: Before beginning a task it is better to define goals and objectives to save time. This keeps the group on task.

Form a medium size group: A moderate size group of 4 to 5 students is ideal. If the number of members in a group are more some members may escape from participation. Small groups 3 or less lack enough diversity and may not allow divergent thinking to occur.

Self Assessment Questions:

- (1) Write about best practices of collaborative learning in classrooms?
- (2) Before beginning task it is better to define goals and objectives.

Answers to the Questions of Frame-6:

(1) Establishment of group goals
Form a medium size group

(2) True

Frame-7:

Assumptions of collaborative learning:

collaborative learning is based on the view that knowledge is a social construct. collaborative activities are most often based on four principles. The learner or student is the primary focus of instruction, interaction and 'doing' are of primary importance, working in groups is an important mode of learning. structured approaches to developing solutions to real world problems should be incorporated into learning.

Self Assessment Questions:

(1) write about assumptions of collaborative learning?

(2) collaborative learning activities are most often based on how many principles?

Answers to the Questions of Frame-7:

(1) The learner or student is the primary focus of instruction, interaction and doing are of primary importance, working in groups is an important mode of learning.

(2) 4

Frame-8:

Blogging:

Blogs allow students and teachers to post their thoughts, ideas, and comments on a website. Blogging allows students and instructors to share their thoughts and comments on the thoughts of others which could create an interactive learning environment.

Self Assessment Questions:

- (1) who need blogs?
- (2) what is the use of blogs?
- (3) what skill improve through blogs?

Answers to the questions of Frame-8 :

- (1) Both students and teachers need blogs.
- (2) Blogging allows students and instructors to share their thoughts and comments.
- (3) Interactive skill

Frame-9 :

Benefits of collaborative learning :

The following points are collaborative learning benefits :

- Engage in subject specific discussions with peers.
- Learn how to work co-operatively and support each other.
- Assimilate multiple views to deepen knowledge.
- Foster individual accountability to the team.
- Develop independent learning strategies.
- It helps one to retain information longer.
- It enhances critical thinking.

Self Assessment Questions :

- (1) write about any three benefits of collaborative learning ?
- (2) It enhances critical thinking.

Answers to the questions of frame-9 :

- (1) (i) It enhances critical thinking
(ii) It helps one to retain information longer.
(iii) Fosters individual accountability to the team.
- (2) True

Frame-10 :

Disadvantages of collaborative learning :

- Disadvantages of collaborative learning are as follows :
- All members may not contribute in a group.
 - Certain individuals do not feel comfortable in participating in a group setting.
 - Problems may result if group members cannot agree or will not compromise.
 - It can often be difficult to assemble all members of a particular group at the same time.
 - Time resources may become constraints.

Self Assessment Questions :

- (1) Write any three disadvantages of collaborative learning ?
- (2) All members may not contribute in a group.

Answers to the Questions of Frame-10:

- (i) (i) Time resources may become constraints.
- (ii) supervision may become difficult task.
- (iii) All members may not contribute in a group.

2) True.

Conclusion:

I have prepared self instructional material on the topic "collaborative learning". I have prepared the material in the form of frames. Each frame is followed by self assessment questions and answers to the questions of previous frame. The material is self explanatory and provides scope for self assessment. The material consists of 10 frames.

After the completion of preparation of the material, I have analyzed the effectiveness of the material for individual learning. I am satisfied with the quality of the material and it will be useful for individual learning.