

Learning Management Plan

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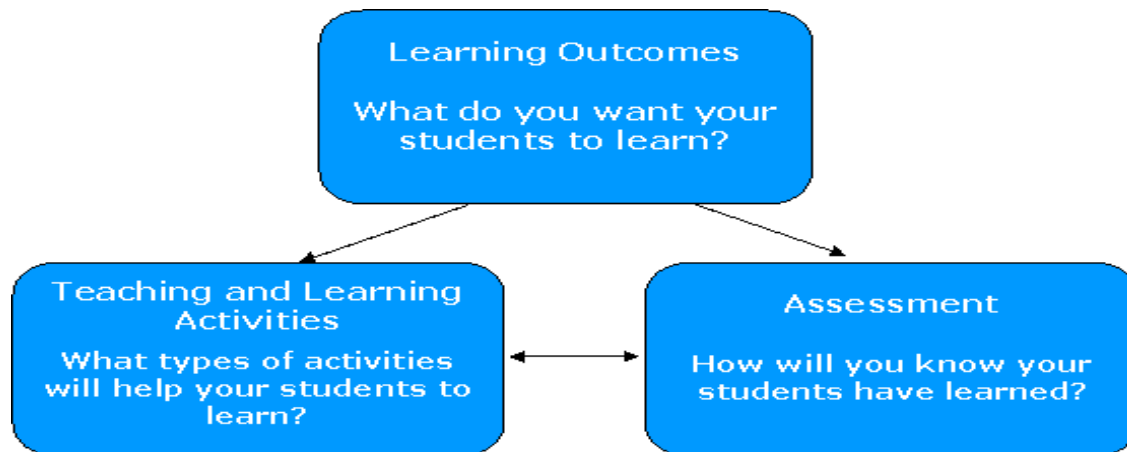
LM ... LMS

- **Learning management (LM)** is the capacity to design and implement **teaching strategies** that achieve **learning outcomes/learning objectives** for learners.
- **A learning management system (LMS)** is a software application or Web-based Technology that distributes courses to learners over the internet.



OBASL: Outcome Based Approach to Student Learning

John B. Biggs states that the intended **learning outcomes**, the **learning activities** and the **assessment** tasks in a course must be properly aligned.



OBASL Model



Learning Outcomes



- Learning outcomes are goals that describe how a student will achieve the knowledge, skills, attitudes, and habits of mind from learning experiences.
- **Example:**

Students will be able to apply integrated mathematics and science process through investigation, discussion, analyzing, and conclusion.



Learning Objectives



- Learning objectives describe what the learner should be able to achieve at the end of a learning period.
- Example:
Students describe the differences between ‘stress and strain’ of two different materials by comparing the data from investigation step.



Learning Activities

- **Learning activities** are the teaching and learning methods which the teachers use to achieve each of Learning Outcomes.



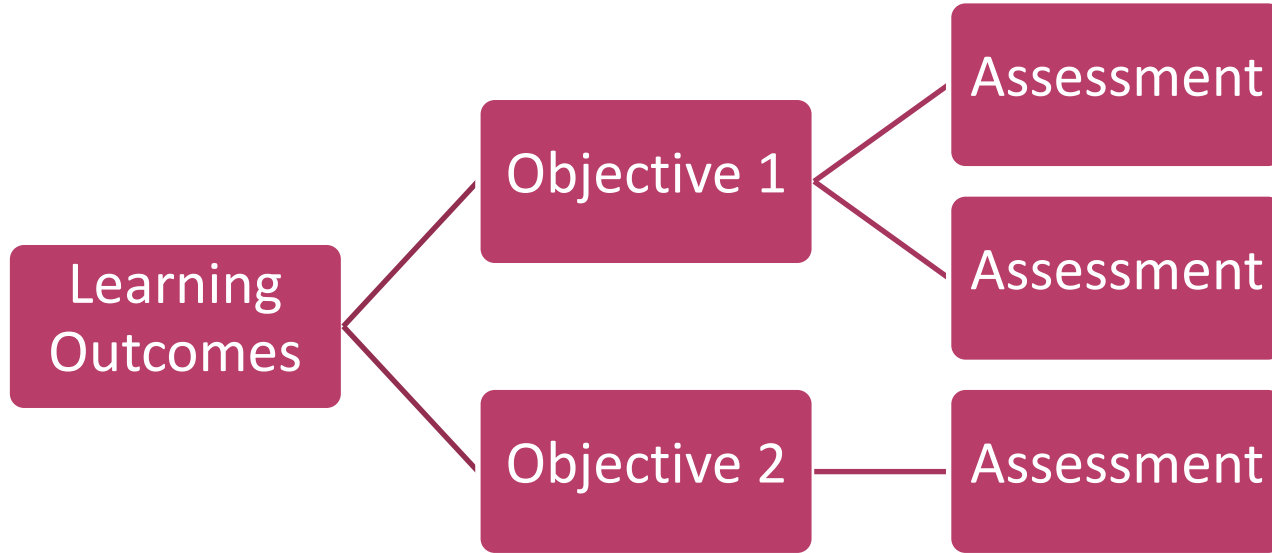
Assessment



- Assessment is an on-going process of systemically gathering, analyzing, and interpreting evidence to determine how well student learning matches the learning outcomes.



Linking Learning Outcomes to Objectives and Assessments



Teaching Strategies

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Direct Instruction



- **Direct instruction** is a teacher-centered approach in which the teacher delivers academic content and students absorb information.



Some Advantages of Direct Instruction

- control of the content and sequence of information
- effective way of teaching factual information and knowledge
- teaching explicit concepts and skills to low-achieving student
- present a large amount of information in a relatively short time
- teaching in auditorium settings with large groups of students



Some Limitations of Direct Instruction

- students assimilate information through listening
- no interaction with the teacher or other students, they have few opportunities to develop social and interpersonal skills
- negative impact on students' problem-solving abilities, independence and curiosity
- don't cater the individual differences: abilities, interests, and learning styles
- frequently used can be boring for students and they do not take responsibility for their own learning



Suggested Practice for Direct Instruction

- Establish a positive classroom management
- Begin lessons by giving clear instructions
- Maintain student attention
- Use appropriate pacing
- Develop procedures to use vary methods and move around to monitor and evaluate seatwork
- Develop positive teacher/student relationships
- Provide a smooth transition into next subject



Classroom Discussion



- **A classroom discussion** is a process of face-to-face group interaction in which students exchange ideas about an issue for purpose of learning: solving a problem, answering a question, expanding knowledge or understanding, or making meaningful decision.



Some Advantages of Using Discussion



- Maintain students' interest
- Active involvement in learning
- Develop students to enhance their thinking and communication skills
- Allow students to share their knowledge and experiences
- Overcome misconceptions about the subject



Some Simple Rules for Discussion



- Everyone should participate
- Only one person can speak at a time
- Students can ask questions of one another and of the teacher
- Everyone must stay on the topic



Some Simple Rules for Discussion (cont.)



Some Limitations of Using Discussion

- Cannot control over discussion
- Do not guide the discussion carefully, it may be waste time or time-consuming
- Some students may be fear to participate in discussion
- Some students may not have sufficient command of the language of subject
- Require more preparation time than direct instruction



Suggested Practice for Classroom Discussion

- Decide on the purpose of the discussion
- Specify the exact subject of the discussion
- Research the background information
- Prepare the students to learn through discussion
- Prepare the discussion plan
- Prepare the discussion environment



Activities

- Search for effective teaching strategies and describe the following: techniques, advantages, limitation, and suggestion.



Student
research



The Cone of Learning

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*I see and I forget.
I hear and I remember.
I do and I understand.*
— Confucius

