

Lecture Method Of Teaching Mathematics

व्याख्यान विधि

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Lecture method

It is a method of imparting information through speech.

Procedure: The teacher prepares the talk and pours it out in the class.

Example: For the topic “**profit or loss**” the teacher goes on explaining profit and loss is calculate based on the cost price because the cost price is our investment. If the investment is less and we sell it at high price we get profit. Therefore to find the profit we have to subtract CP from SP. And if we invest more and sell it at the price lower than the CP we are at loss. Therefore to find the loss we have to subtract SP from CP.

Advantages

- Effective lecturers can communicate the intrinsic interest of a subject through their enthusiasm.
- * Lectures can be specifically organized to meet the needs of particular audiences.
- * Lectures can present large amounts of information.
- * Lectures can be presented to large audiences.

- Lecturers can model how professionals work through disciplinary questions or problems.

- * Lectures allow the instructor maximum control of the learning experience.

- * Lectures present little risk for students.

- * Lectures appeal to those who learn by listening.

Disadvantages

- Lectures fail to provide instructors with feedback about the extent of student learning.
- * In lectures, students are often passive because there is no mechanism to ensure that they are intellectually engaged with the material.
- * Students' attention wanes quickly after fifteen to twenty-five minutes.
- * Information tends to be forgotten quickly when students are passive.
- * Lectures presume that all students learn at the same pace and are at the same level of understanding.

- Lectures are not suited for teaching higher orders of thinking such as application, analysis, synthesis, or evaluation; for teaching motor skills, or for influencing attitudes or values.

- * Lectures are not well suited for teaching complex, abstract material.

- * Lectures requires effective speakers.

- * Lectures emphasize learning by listening, which is a disadvantage for students who have other learning styles.

Situation where lecture method can be used

In the introduction of new topic

In the introduction of new instrument

Revising and summarizing the lesson

Closing : at the end of the period

Effective Lecture method: use of teaching aid and with example
