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Mediated learning experience during the preparation lesson for classroom testing

Commentary to the film “Mediated learning experience during the preparation lesson for classroom testing”

Mediated learning experiences are interactions of adults (typically) intervening in children’s experience with the intent to teach something. Mediation includes a range of techniques that help educators to structure experiences and stretch children’s abilities to think along many dimensions.

In this video we can see preparatory lesson of mathematics for classroom testing. We can see the teacher listening to students in order to determine where they are in the learning cycle before they are tested.

She helps children to organize their knowledge, to realize all the possible relationships, to summarize relevant information.

Although we are observing a content rich lesson, we can see a range of cognitive functions to be involved and developed here along with mediational techniques used by the teacher:

Comparative behavior, as the basic element for building relationships between pieces of information, is involved and cultivated in many occasions here: comparing fractions, comparing numerator with denominator, comparing numbers in different form, etc. To compare effectively, **clear perception** and **systematic exploration** is needed, both involved during the lesson. **Precise verbal tools, spatial orientation, conservation of constancies and precision in data gathering** are cognitive functions in input phase involved during the lesson.

Cognitive functions – elaboration phase: students have to **identify and define the problem**, they have to involve **broad mental field, pursue logical evidence, internalize**, they have to apply **summative behavior** and also well-developed **planning behavior**. Very importantly they need to use **verbal concepts** for clear reasoning.

In output phase we can identify the **ability to project virtual relationships, precision in communicating**.



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The teacher / mediator makes sure the students are focused, she mediates the feeling of competence and behavior control. She directs attention, offers problem solving strategies, helps to prepare a plan, fosters a sense of completion.

The three partners of mediation are:

The mediator: math teacher

The stimulus: math content – fractions and operations with fractions

The mediatees: students of 7th grade