EFFECTS OF USING MANIPULATIVE MATERIALS IN TEACHING KINDERGARTEN PUPILS KINDERGARTEN STUDENTS' LEARNING OUTCOMES AFTER USING MANIPULATIVE MATERIALS

by:
Mary Rose C. Llanda
Teacher I, Samal South Elementary School

In many mathematical topics, manipulatives can provide a bridge between the concrete and abstract levels. It can serve as a model that supports students as they think about, remember, and communicate about the mathematics being studied.

In an early childhood school, manipulatives are a great way to draw students' interest and encourage participation. In fact, an essential component of manipulative play learning is the use of objects to build, weigh, move, sort, turn, or arrange to fit, which most kids are fond of.

Moreover, manipulatives for teaching are a great way to introduce hands-on learning for concrete learners. Children who struggle to think critically and logically might benefit from the use of manipulatives.

On the other hand, in order to completely comprehend mathematical concepts, students must be able to integrate their knowledge and relate it to their thoughts, and manipulatives help them to achieve this. Manipulatives enable students to communicate with their own mathematical thinking and apply their mathematical knowledge.

To support the aforementioned claims, different studies confirmed the notion that using manipulatives increase students' mathematics accomplishment scores while also exposing them to new techniques or approaches that are essential for developing problem-solving skills.

Indeed, manipulatives are important for the learners to make the teaching-learning process more engaging and improve their academic performance.

References:

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