

THE VALUE OF MATHEMATICS INSTRUCTION IN EDUCATION

by:

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In William Paul Thurston's words, "Mathematics is not about numbers, equations, computations or algorithms: it is about understanding." Mathematics is one of the most crucial subjects a child will have to take because it affects every aspect of their lives and education and is necessary for every profession they choose to pursue.

Like the oxygen our bodies require to survive, mathematics is essential. Mathematics is defined as "the science of numbers and their operations, interrelations, combinations, generalizations, and abstractions as well as of spatial configurations and their structure, measurement, transformations, and abstractions" in the Merriam-Webster Online Dictionary.

An effective math teacher should possess more than just factual knowledge of the subject matter; they should also have a conceptual understanding of the subject matter, sound knowledge of the language associated with the concepts to be taught, a good understanding of how concepts relate to one another within and across strands, a good understanding of the areas where students are most likely to encounter difficulties, and knowledge of a variety of strategies that are likely to benefit students who are having difficulties. The tenets of the characteristics of an excellent math teacher provide the foundation for teaching arithmetic to primary school students. The session looked at every aspect of mathematics and gave us fresh, productive methods to interact with and instruct students in each domain. This essay will show the importance of strand measurement and briefly explore how it contributes to the mathematical knowledge and

skills of primary school pupils. It will also identify topics that should be addressed at the primary level and provide a justification or reasons for doing so.

However, despite how straightforward it can seem, it is a challenging idea for young children to grasp. We concentrate on the "about" of amounts when we can estimate. In daily activities, using phrases like "closer to," "greater than" "less than," and "approximately" helps lay the groundwork for what is a realistic range of answers. Teachers must assist students in understanding that objects have measurable properties, comprehending expressions referring to properties (such as "How long?" and "How heavy? "), understanding and using comparison terms (such as "longer," "heavier," "shorter," and "wider"), using appropriate units and processes for measurement, using standard units of measurement, and creating and using formulas to aid in counting.

References:

<https://www.ipl.org/essay/Importance-Of-Mathematics-In-Education-F37TVP7ESJF6>