

APPLYING MATH IN THE 21ST CENTURY WORLD

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Since then, mathematics has been roaming the world waiting to be discovered. It has helped us in various activities and discoveries, making people's lifestyles easier and more convenient. Along with science, it helps the citizens to solve societal problems and issues. Now that the world is evolving, math's role may not have changed but it sure improved. The world is ever-changing, so the problems that it is facing also increase. With this, math experts are continuously working to generate solutions to suffice the needs of the 21st-century world.

To address the needs of the people of today, mathematics has become a tool to educate the public on how to handle their drawbacks. Today, one of the most resounding issues that the education sector is facing regarding teaching math is how to teach it using authentic settings (Joson, 2017). In Joson's article entitled "Mathematics and the 'real world': Moving toward 21st Century Math Learning", he explained why math is a need for today's setting. He claimed that there are numerous jobs in the modern world requiring strong mathematical skills, and if students are equipped with these skills, it would be very beneficial for them. With this, he calls for an intervention that lets the students study math using authentic problems.

Student-centered 21st Century learning is engaging in this type of teaching, in which teachers act as facilitators and the students will learn by themselves inside the classrooms. Joson

acknowledges the study "Innovative Approaches to Teaching Mathematics in Higher Education: A Review and Critique," by Abdulwahed, Jaworski, and Crawford, which

stated that math should be taught using the student-centered approach rather than the traditional one. This is grounded in the fact that students will learn by themselves and not rely on what the teacher will supply only. The teacher may also employ various types of activities like group works to flourish collaboration. (Vale, 2018)

Authentic learning

In the same article, it was discussed that Steve Revington, one of the pioneers of authentic learning stated that this type of learning encourages students to learn math using real-world problems so that it will be easier for them to understand because they can relate to it. Because of the de facto that they can feel that it is personal to them, this will also help them to learn things that are not quite familiar to them but happening in the authentic world like in commuting. Not all students know how to commute because some use private services, but they are familiar with how commuting works. By applying math concepts to this, the students will be easier to absorb the lesson.

Mathematics is a need whenever the timeline is. It is a key to many doors and math, it helps the people with various things. As known, math covers several branches that can be applied in authentic life. Math might be hard to master for others, but it is never a loss to be equipped in this field.

References:

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