

ROLE OF MATHEMATICS IN THE MODERN CLASSROOMS

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Mathematics played a tremendous role in our past. It helped us to discover knowledge that we now recognized as truth and reality. It helped us to fix our misconceptions, and until now, it is guiding us to reveal secrets of the universe. Mathematics builds the world that we are living in today. The base of our institutions like education, healthcare groups, government, and economy feed through mathematics. Today, we are capable of innovating the bases of these institutions, mathematics still plays a viable role in improving discoveries in these institutions to make the daily life of the human race more convenient.

In school, mathematics stands as a core subject that is being taught from the moment that the person enters schooling up to collegiate level. Basic mathematics is taught at the elementary level. Mathematical branches are right in secondary. In college, no matter what your course is, you will still have a math subject. This only proves that mathematics is very crucial yet salient in building the students' intellect (Study Driver, 2021).

A professor in Monash University, Vale (2018) exclaimed that there are at least seven key points why mathematics must still be included in the 21st century curriculum. The first reason she said is it urges students to look for answers themselves. Since the 21st century type of learning is generally student-based, the students are the ones to discover learning themselves. The second reason is that mathematical problems today sharpen the minds of the students more. Math problems now are both complicated and easy; easy in a sense that it is easy to comprehend because mathematical problems now are based on

the authentic world and it is also hard because of its heightened difficulty. It is said that math equations now help the students to think deeper and collaborate with other students. Third is communication between teachers-students and students-students become more established. Since the students are the ones who will decode the learning, collaboration is, indeed, needed here; hence, open communication between all parties should be encouraged. Next, Mathematics is included in the curriculum. While some of the subjects are being phased out in our curriculum as we enter a new academic level, mathematics stays constant in our curriculum. It is also stated that mathematics is a key that helps teachers to assess three core abilities of a student: analyzing, generalizing, and justifying. Mathematics is a complicated subject that needs thorough analysis, logical thinking, and critical thinking. Sixth reason is that it builds up both problem-solving and reasoning skills. Vale affirms that problems-solving and reasoning are two different entities, but both of those are being honed by math. The last reason is creativity and critical thinking skills are being nurtured. Vale stated that these two are fundamental skills that are essential to the students' future. With these reasons, Vale established the thought that mathematics is necessary in today's era because it will give us a tumultuous number of benefits.

Whether we like math or not, it gives us a glimpse of the future, power to conquer the present, and to innovate the discoveries of the past. Students must learn that mathematics is a subject that is not designed to make their school life miserable, but it is a key to open up their eyes to persevere to pursue the truth. Our students are the future of tomorrow. With proper guidance, we can ignite their love for math and eradicate their anxiety for this subject.

References:

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