

SCIENCE AND MATH: THE TWIN SUBJECTS

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Everyone in the academe has a slight knowledge that Mathematics and Science go hand-in-hand. As the grade level of the student increases, math starts to intervene in science lessons, and as it goes further, the formula gets more complicated and complicated. To understand how math and science work with each other, Dr. Margaret Wright and Prof. Alexandre Chorin broke down in their book, *Mathematics and Science*, the direct relationship between the two.

Computation

It is quite evident that Science and Math both have equations to solve, however, these two have a lateral comparison. In elementary, students are taught to perform basic operations and the level of difficulty gradually improves as time goes by. This acts as the foundation of the learners so that when there are already computations in the field of science, especially in Physics, they will be able to comprehend the concept of it.

Research

Upon conducting research, various discoveries are set to be unleashed. However, during its process, there are lots of mathematical computations that need to be solved. As everyone knows, the greater the sample size is, the more accurate it goes, so, a large set of data sets are expected to be utilized. With this, using various math strategies helps scientists to compute data easily.

Engineering

People already know that the engineering field is composed of math and science. To understand this thoroughly, the Engineering field is filled with branches of science especially, biology, chemistry, and physics, while Engineering math is mainly composed of calculus, computer coding, algebra, and geometry. Understanding these fields is the vital cog for an engineer to easily develop a design or process a solution.

Computer Coding

In one's lifetime, one is sure to have heard the belief, "People in the computer tech industry are good as math." It is obvious that in that industry, coding is very much important, and with that, math skills are very much needed. Solving computer-related problems may result in faster computer functions and glitch-free servers.

Education

As stated above, mathematics acts as the key to science because before unlocking the knowledge that science holds, they should be skilled in math. Every answer in scientific computation is grounded in de facto learnings that the students acquired in math subjects; hence this proves that math and science go hand-in-hand.

The direct relationship between the two tells people in the academe that they must empower the students with strong foundational skills in math and science. This will help the students to apply what they have learned to school in various branches.

References:

Wright, M., & Chorin, A. (1999, April 5). Mathematics and Science. Retrieved from National Science Foundation: <https://nsf.gov/pubs/2000/mps0001/mps0001.pdf>