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They teach us bad math at school and that's why we hate it

Autor:

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MEXICO CITY.- A change in education is necessary to reach the fourth Industrial Revolution. Now, more than ever, we need computational thinking, highlighted Conrad Wolfram , CEO and European Co-Founder of Wolfram & Founder of Computer-Based Maths , during his presentation at the International Congress on Educational Innovation (CIIE) , organized by the Tecnológico de Monterrey .

For Wolfram the teaching of mathematics is not well focused. Millions of children are brought into classrooms each year to learn math, and they are told that if they don't do it right, they will fail.

However, mathematics already affects every space of our lives, through technology. Computational thinking is the way to improve decision making in the world

Computing is already applied to medicine, biology, archeology, linguistics, and history. Many careers have a computer area. "

Computational thinking is critical, necessary to survive. It's like knowing how to read.

Throughout the world there is a math education crisis. We say that it is central, but I believe that the matter, in detail, 80% of the approach with which it is taught in schools is wrong. "

The key difference is that mathematics in the real world, computers do it all. Why are they the matter for everything

Technical works. They are highly valued in our societies Daily life. Believe in data, value information, Logical mindset training. Being able to think logically, either with mathematics and other subjects. We don't want an elite to tell us how to live, they have to handle everything

In the traditional mathematical process, it consists of the following:

Define questions We abstract mathematically We calculate the answers We interpret the results

The big problem is that we spend most of the time calculating to Hand step 3. Ideally, it would be to let the computer do all of step 3, and the humans take care of 1, 2 and 4.

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This is what computational thinking is for, it is a process to solve problems. In schools they should be encouraged to use the tools they have at hand to solve the questions that need math.

Mathematics and computing are the foundation of our age. They have been the driver of the great progress we have seen over the last 30 years.

"It is unquestionable that computational thinking is the foundation of our advancements, but it has not been given the importance it deserves," said Conrad Wolfram

However, it also recognizes that changes in education are very difficult and slow. It requires changing subjects, curricula, the way of learning and assessments.

The second problem is that people do not understand the leap we have to take. The mathematics that we have and that we need to get to.

This is why Wolfram has long pushed for the adoption of computational thinking

Learning computational thinking is crucial, because it helps us to better extract results

But not only that, math-based computational thinking is a central part of what we need to survive as a society

It is a thought process in which you define the questions in the abstract, do the computation, take the answer and see if it is answered in a computational way. "

It is what our population needs to decide on complex problems. The logical sense. "

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