

Mathematica

By Evaristo Garcia

“The oldest, shortest words - ‘yes’ and ‘no’ - are those which require the most thought ”
~ Pythagoras

What is the strength of mathematics? Mathematics is more than a natural science, but an art. Truth is sovereign within ourselves, but as one goes into a group that sovereignty is compromised. With our open-mindedness, creativity, and inquisitive nature brought into a population, the structure of human nature becomes evident - “We are, then, built of living bricks, but of living bricks set in dead mortar” [1]. Leadership is extremely important in building anything good, but it becomes excruciating if our “team” is not structured adequately. There is a widely accepted proverb in Japanese culture - “The nail that stands up gets hammered down” - that should be taught in schools to better advance society. This can be a double edge sword and useful to those who find pleasure in mathematics. Henri Poincaré explains this matter best: “Mathematicians do not study the objects but the relationships between objects” [2]. Mathematica is more than numerals, but philosophy - It is the fundamentals of science and logic.

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[1] Brewster, Edwin. *Natural wonders every child should know*. New York: Doubleday, Doran & co. 1912

<https://www.cs.ucdavis.edu/~rogaway/classes/120/spring14/brewster.pdf>

[2] Poincaré, Henri. *La Science et l'hypothèse*. 1902