

# Plato

By: Connor Baker



# Personal Life

- Taught by Protagoras,
- In turn taught Aristotle until 347 BC
- Another one of Plato's mentors is Socrates
- Plato was born 428 BC
- founded his Academy in Athens called Plato's Academy
- Taught Alexander the Great
- Died 348 BC

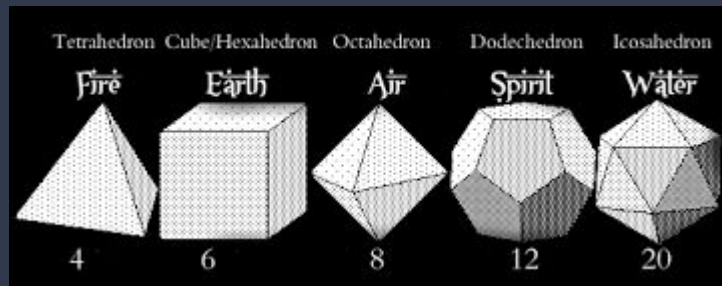
# Mathematical Contribution

“Let no-one Ignorant of  
geometry enter here”

Seen above Plato's Academy

- He gave humanity an understanding of reality
- Formed the basis of scientific understanding
- Promoted geometry as the only real way to understand the universe.
- Made his students learn the concept of logical proof
- “Squaring the circle”
- “Doubling the cube”
- “Trisecting the angle”

# Platonic Solids



- Tetrahedron : tetra = Four / hedron = Face, Made of four equilateral triangles
- Hexahedron or more commonly known as a cube, has six congruent squares
- Octahedron made of 8 congruent triangles
- Dodecahedron Dodeca = twelve, Made of twelve congruent pentagons
- Icosahedron Icosa = twenty, Made of twenty congruent triangles

# Resources



[https://www.storyofmathematics.com/greek\\_plato.html](https://www.storyofmathematics.com/greek_plato.html)

<http://factmyth.com/factoids/socrates-taught-plato-who-taught-aristotle-who-taught-alexander-the-great/>

<https://carrieparis.com/divining-5-platonic-solids-lenormand-magpie-oracle/>