

History of Science ^[1]

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Research methods has not come up overnight, but has evolved through hundreds of years of science. The history of science is interesting and intriguing, giving an insight into the developments of modern science.

There are several pioneers who shaped the current research. You may like to look at [who invented the scientific method](#) ^[3] to get an idea of the early scientists and the influence they have, directly or indirectly, on what every researcher does today.

[The History of Scientific Method](#) ^[4]

Biology, Zoology, Medicine

[Aristotle's Zoology](#) ^[5] - History of Biology

[Islamic Scholars and Biology](#) ^[6] - History of Biology

[Islamic Ophthalmology](#) ^[7] and Islamic Medicine

[Ancient Medicine](#) ^[8] - History of Medicine

[Islamic Medicine](#) ^[9] - History of Medicine

Chemistry and Physics

[Alchemy and the Philosopher's Stone](#) ^[10] - History of Chemistry

[Islamic Alchemy](#) ^[11] - History of Chemistry

[Chinese Alchemy](#) ^[12] - History of Chemistry

[Ancient Physics](#) ^[13] - History of Physics

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Mathematics

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Archimedes [26] - Greek Mathematics

Archimedes' War Machines [27]

Euclid [28] - Greek Mathematics

Pythagoras [29] - Greek Mathematics

Thales [30] - Greek Mathematics

Heron of Alexandria [31] - Greek Mathematics

Heron's Inventions [32] - Greek Mathematics

Heron's Fountain [33] - Greek Mathematics

Ancient Experiments - How to Conduct Them

- Heron's Aeolipile Experiment [34]
A steam engine that worked on exactly the same principle as the great machines of the industrial revolution and many modern electricity-generating turbines.
- Archimedes Screw Experiment [35]
A device still used around the world as a simple and efficient method of moving liquids and solid particles.
- Build an Astrolabe [36] - Navigation and Mapping the Stars
The astrolabe is an instrument that allows observers to measure the position of celestial bodies relative to the horizon, which allows accurate star mapping.
- Archimedes Displacement Experiment [37]
Repeat the experiment that made a naked man run down the street shouting 'Eureka! Eureka!'

- [Make Heron's Fountain](#) ^[33]
How potential energy can provide power, using water and gravity, and air and compression
- [Sundials](#) ^[38]
An Ancient Estimate the Time of the Day

Astronomy

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