



## CHAPTER 1: SCIENTIFIC INVESTIGATION

The Book of Lists has named the following as the greatest scientists of all time, based on their contributions towards science.

Scientist	Main contributions
Isaac Newton (1642 – 1727)	English mathematician and philosopher; made several discoveries including the law of gravity
Ta'al Lun	Chinese official; invented paper
Johann Gutenberg (1400 – 1468)	German; invented printing from movable type
Albert Einstein (1879 – 1955)	German-born US physicist; stated the law of relativity
Louis Pasteur (1822 – 1895)	French chemist; founder of the science of bacteriology
Galileo Galilei (1564 – 1642)	Italian astronomer and physicist; developed the scientific method
Charles Darwin (1809 – 1882)	English naturalist; originated the theory of evolution
Euclid (B.C.)	Greek philosopher; compiled the theories of plane geometry
Nicolaus Copernicus (1473 – 1543)	Polish astronomer; established the theory that the Earth and other planets move around the Sun
James Watt (1736 – 1819)	Scottish engineer; invented the steam engine
Michael Faraday (1791 – 1867)	English chemist and physicist; discovered the principle of electromagnetic induction
James Clerk Maxwell (1831 – 1879)	Scottish physicist; formulated the electromagnetic theory of light
Orville Wright (1871 – 1948)	US inventor; helped his brother Wilber to build the first aeroplane
Wilber Wright (1867 – 1912)	US inventor; made the first successful aeroplane
Antoine Laurent Lavoisier (1743 – 1794)	French chemist; founder of modern chemistry