

ARCHIMEDES

THE GREEK MATHEMATICIAN,
SCIENTIST AND INVENTOR

“

Give me a place
to stand, and I
shall move the
Earth. ”

– ARCHIMEDES

ABOUT ARCHIMEDES



Archimedes was born in Syracuse, a Greek city on the island of Sicily, around 287 BCE.



He was a mathematician, physicist, engineer, inventor and astronomer.



He served King Hiero II and used his knowledge to help solve real problems.



He designed clever machines to help lift heavy objects, move water and defend his city.



During the Roman siege of Syracuse in 212 BCE, he was killed while solving a math problem.



His discoveries and ideas were so important that people still use them more than 2,000 years later.

KEY IDEAS



MATHEMATICS

He calculated one of the most accurate estimates of π in the ancient world and worked out area and volume using clever geometric methods.



LEVERAGE

He understood how levers work and used them to lift heavy loads with less effort.



INVENTIONS

He created machines like the Archimedes Screw to lift water and the Claw to lift enemy ships.



BUOYANCY

According to a famous story, while having a bath he realised that objects push water aside—this idea still helps ships float and scientists today!



ASTRONOMY

He studied the Sun, Moon and stars, using mathematics to help explain the natural world.

ARCHIMEDES' MESSAGE

Great achievements come through curiosity, clever thinking and hard work.

HIS LEGACY



His ideas laid the foundations for many areas of mathematics and science.



His inventions helped solve big problems in engineering and everyday life.



He used clever mathematics to measure, calculate and solve problems.



Many of his machines were so advanced that they inspire engineers today.



He showed that curiosity and knowledge can change the world for the better.



His brilliant ideas continue to inspire inventors and thinkers around the world.

A THINKER • AN INVENTOR • A PIONEER