What is Science?



Science

Latin *scientia*= "knowledge"

 an organized way of using evidence to learn about the natural world and encompassing universe

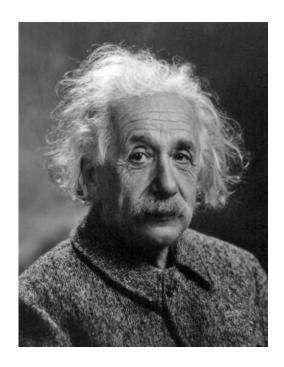
The **goal** of science is:

- to investigate and understand the natural world
- to explain events in the natural world
- to use scientific explanations to make useful predictions



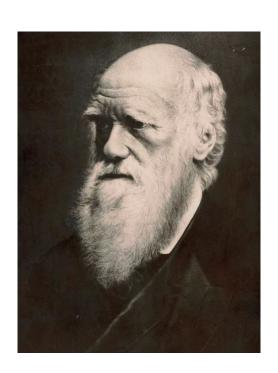


Science education involves learning the body of knowledge too

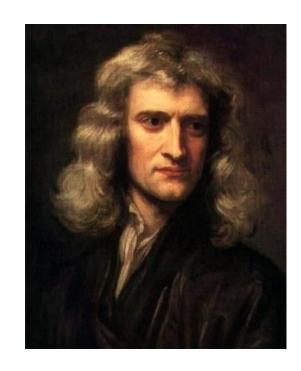


Albert Einstein

Developed the theory of relativity



Charles Darwin
Developed the theory of evolution



Sir Isaac Newton

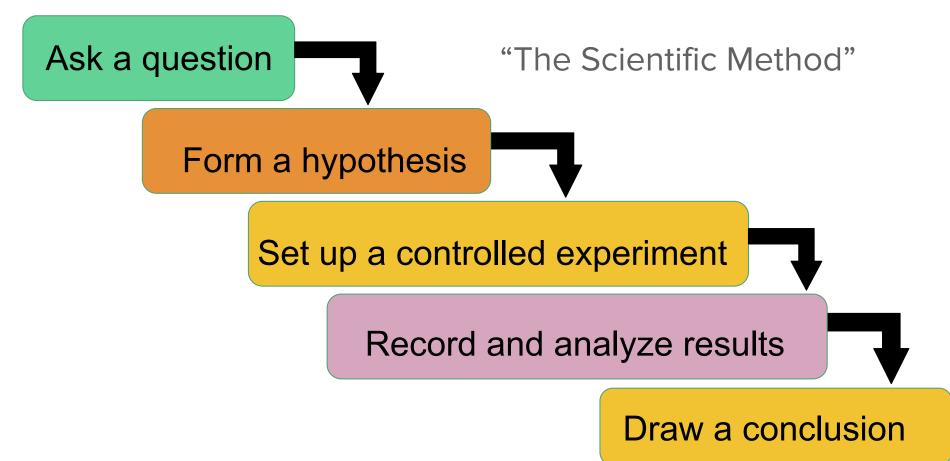
Developed the laws of motion & universal gravitation

Several Truths about Science

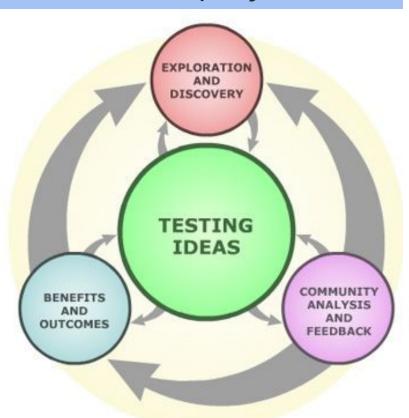
- Science is an *ongoing process*
- Scientists are open-minded skeptics
- Scientists accept that the physical universe is a system with parts that interact.
- Natural laws govern all events and objects

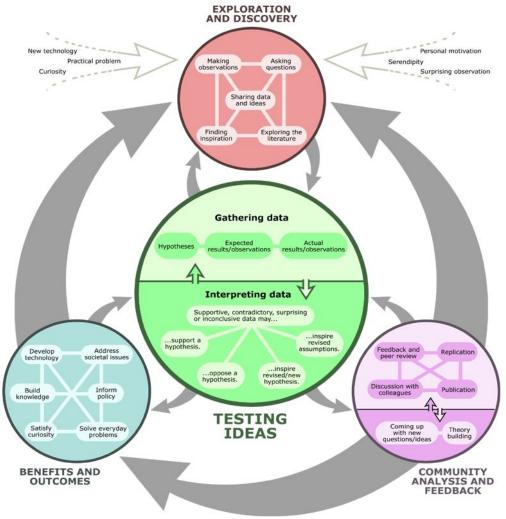


How scientists design experiments



Scientific Inquiry





Science and Engineering Practices



