

Happy Birthday, Scientists!

January 4. - Isaac Newton (1643-1727) Forces of Motion Notebook

He forever impacted the field of physics when he developed his three laws of motion, invented calculus, built the first reflecting telescope and showed sunlight is made of all the colors of the rainbow.

February 12 - Charles Darwin (1809-1882) Evolution or Diversity of Life Notebook

He authored *On the Origin of Species*, in which he provided evidence from his global travels, including his time spent in the Galapagos, for the theory of evolution by natural selection.

March 14 - Albert Einstein (1879-1955) Properties of Waves or Light & Sound Notebook

Einstein's theories of special & general relativity helped us better understand light, gravity, and time and gave us the famous equation, $E = mc^2$. He provided evidence that atoms and molecules exist as well.

April 3 - Jane Goodall (Born 1934) Animals, Ecosystems, or Ecology Notebook

She was a pioneer in animal behavior studies and made ground-breaking discoveries when working with chimpanzees. She identified their similar social behavior to humans and their use of tools to accomplish tasks.

May 27 - Rachel Carson (1907-1964) Animals, Ecosystems, or Ecology Notebook

She was a founder of modern environmentalism and authored *Silent Spring*, which publicized the effect of chemicals such as DDT on the environment. Her contributions led to bans and changes in chemical use.

June 11 - Jacques Cousteau (1910-1997) Hydrosphere Notebook

He was a very famous French oceanographer and explorer who popularized the field of marine biology. He developed several ocean exploration inventions and innovations that are still used for deep water exploration.

July 20 - Gregor Mendel (1822-1884) DNA or Genetics Notebook

Mendel is known as the Father of Genetics and identified many of the rules of heredity while working with pea plants. He proved that that traits are passed from parents to offspring in a predictable way.

August 14 - Ernest Everett Just (1883-1941) Cells or Cellular Processes Notebook

He was an African American scholar and professor who overcame many obstacles in order to pursue scientific research. His contribution to cell biology changed how scientists researched the development of organisms.

September 6 - John Dalton (1766-1844) Properties of Matter Notebook

He founded Dalton's Atomic Theory, which is the foundation of chemistry. He discovered principals relating the temperature, volume, and pressure of gases and the molecular behavior within them.

October 17 - Mae C Jemison (Born 1956) Astronomy or Space Exploration Notebook

She is a NASA astronaut and was the first African American woman to travel to space. She was onboard the Space Shuttle Endeavour flight for eight days in 1992 and conducted experiments on weightlessness.

November 1 - Alfred Wegener (1880-1930) Earth Composition, History, or Earth Science Notebook

He changed the understanding of the evolution of Earth's surface by discovering continental drift, which states that our planet once had a single continent (Pangea) that split over millions of years to form the continents.

December 27 - Louis Pasteur (1822-1895) Health and Disease or Cells Notebook

He is the Father of Microbiology and influenced modern biology and chemistry with his discoveries. He established the germ theory of disease and impacted medicine with his work with vaccines and microbiology.