

Inventions and Discoveries

Physics

Inventions	Inventors	Year
Air Brake	George Westinghouse	1869
Amplitude Modulation	Reginald Fessenden	–
Anemometer	Leon Battista Alberti	1450
Barometer	Evangelista Torricelli	–
Cathode Ray Tube	Ferdinand Braun	1897
Dynamometer	Edme Regnier	1798
Ammeter	Friedrich Dexler	1884
Calorimeter	Antoine Lavoisier	1780
Inclinometer	Rufus Porter	–
Magnetometer	Sheldon Breiner	–
Telescope	Hans Lippershey	–
Microscope	Hans Lippershey and Zacharias Janssen	1595
LED	Oleg Losev, Nick Holonyak	1962
Gravity	Sir Isaac Newton	1687
Hubble Space Telescope	NASA (named after Edwin Hubble)	1990
Induction Motor	Nikola Tesla	1885

Kinetoscope	Louis Le Prince	–
Fuel Cell	William Grove	1839
Battery	Alessandro Volta	1799
Steam Turbine	Charles Parson	1884
Transformer	William Stanley	1885
Electromagnet	William Sturgeon	1820
Large Hadron Collider	CERN	2008
Gamma Rays	Paul Villard	1930
Mercury Thermometer	Gabriel Fahrenheit	1714
Vernier Caliper	Pierre Vernier	–
Celsius	Anders Celsius	–
Air Pressure	Evangelista Torricelli	–
Atomic Nucleus	Ernest Rutherford	1911
Anode Rays	Eugen Goldstein	1886
LCD	Friedrich Reinitzer	1888

Chemistry

Inventions	Inventors	Year
Polythene	Eric Fawcett	1933
Osmosis	Jean Antoine Nollet	1748
Electrons	J.J. Thomson	1897
Neutrons	James Chadwick	1932
Protons	Ernest Rutherford	1911
Inert Gases	Sir William Ramsay	1894
Radioactivity	Henri Becquerel	1896
Periodic Table	Dmitri Mendeleev	1869
Oxygen	Carl Wilhelm Scheele and Joseph Priestley	1773 & 1774 resp.
Hydrogen	Henry Cavendish	1766
Atoms	John Dalton	1803
Neon	Georges Claude & Paris Motor Show	1910
Acid	Albert Hofmann	1938
Ionic Bonds	Svante August Arrhenius	1884
Covalent Bonds	Gilbert Newton Lewis	1916
Aluminum	Charles Martin Hall	1886
Dynamite	Alfred Nobel	1867

pH meter	Arnold O. Beckman	1934
Polyvinyl Chloride	Waldo Semon & B. F. Goodrich Company	1926
Synthetic Rubber	Fritz Hofmann	1909
Titanium	William Kroll	1940
Radium	Marie Sklodowska-Curie and Pierre Curie	1898

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Biology

Invention	Inventor	year
Anesthesia	Thomas Green Morton	–
Penicillin	Alexander Fleming	1928
Aspirin	Felix Hoffman	1899
Automated DNA Sequencer	Lloyd M. Smith	1987
Spiral Structure of Protein	Linus Pauling	
Bacteria	Antonie van Leeuwenhoek	1676
Microbes	Robert Hooke and Antoni van Leeuwenhoek	–
BCG Vaccine	Albert Calmette and Camille Guerin	1921
Blood Group	Karl Landsteiner	1900
Calcium	Humphry Davy	1808
DDT	Paul Hermann Müller	1939
Cholera Vaccine	Waldemar Haffkine	1892
Rubella Vaccine	Maurice Hilleman	1963
Hepatitis B Virus	Baruch Blumberg	1965
Hepatitis – B Vaccine	Pablo DT Valenzuela	1986

Polio Vaccine	Jonas Edward Salk	–
Smallpox Vaccine	Edward Jenner	1796
Anthrax Vaccine	Louis Pasteur	–
Plague Vaccine	Waldemar Haffkine	1897
Kidney Dialysis	Willem Johan Kolff	–
X ray	Wilhelm Rontgen	1895
Vitamin	Casimir Funk	1912
Insulin	Frederick Banting and J J R Macleod	–
HIV	Luc Montagnier	
ECG	Willem Einthoven	–
Vitamin A	Frederick Gowland Hopkins	1912
Vitamin B1	Christiaan Eijkman	1897
Vitamin C	Albert Szent-Gyorgi	
Vitamin E	Herbert McLean Evans and Katherine Scott Bishop	1922
Vitamin K	Henrik Dam	1929
Homeopathy and Allopathy	Samuel Hahnemann	–
Cell	Robert Hooke	1665
Cell Nucleus	Robert Brown	–

Computer

Invention	Inventor	Year
World Wide Web	Tim Berners Lee with Robert Cailliau,	1989
Search Engine	Alan Emtage	10 Sept. 1990
Cable Modem	Rouzbeh Yassini	—
Webcam	Quentin Stafford Fraser and Paul Jardetzky	1991
Smartphone (Simone)	IBM	1992
Walkie-Talkie	Dan Noble, Henryk Magnuski, Marion Bond; Lloyd Morris; and Bill Vogel.	1940
JAVA Computing Language	James Gosling	—
Surface Computing	Microsoft	2007
Iphone	Steve Jobs	2007
TCP/IP Internet Protocol	Bob Kahn with Vint Cerf	—
Email	Ray Tomlinson	1971
Google	Larry Page and Sergey Brin	1998
Supercomputers	Seymour Cray	1960

Laptop	Adam Osborne	1981
C Programming Language	Dennis Ritchie	1972
Microprocessors	Ted Hoff, Federico Faggin, and Stan Mazor	1971
Python	Guido van Rossum	1991
C++	Bjarne Stroustrup	1983
Facebook	Mark Zuckerberg	2004
Yahoo	Jerry Yang and David Filo	1994

Space Science

Invention	Inventor	Year
Ballistic Missile	Wernher Von Braun	1936
Global Positioning System	Ivan A. Getting Roger L. Easton Bradford Parkinson	1995
Uranus	William Herschel	1781
Communication Satellite	Arthur C. Clarke	–
Universe	Edwin Hubble	–
Solar System	Nicolaus Copernicus	16th Cent.
Planets	Galileo Galilei	–

Other Inventions

Invention	Inventor	Year
Newspaper	Johann Carolous	1609
Printing Press	Johannes Gutenberg	1440
Electric Bulb	Thomas Edison	1879
Fan	Schuyler Skaats Wheeler	1882
Airplane	The Wright Brothers, Wilbur and Orville Wright	1903
Telephone	Alexander Graham Bell	1876
Radio	Guglielmo Marconi	1895
Calculator	Blaise Pascal	1642
Television	Philo Taylor Farnsworth	1927

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