

Dates/Thursdays 1st & 3rd

2nd-5th Younger Students

Activities/Science Class

Times: 1-3:30 PM

6th-12th Older Students

Science Class/Activities

First Period: 1-2:15 PM

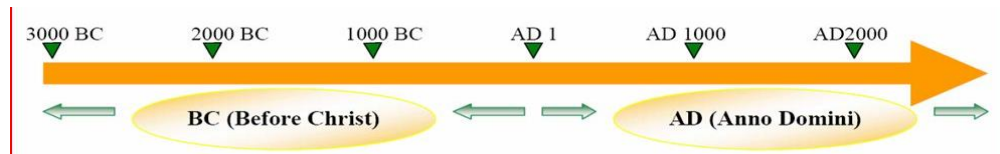
Second Period: 2:25-3:30 PM

PHYSICS

SCIENCE INGENUITY/INVENTIONS

Understanding Physics in Historical Context (through Science Ingenuity/Inventions)

- Jan 16 4500-4000 BC Levers, Wedges, Pivots/Pins, Fulcrums, Inclined Planes (referred to as the STONE AGE – most tools were stone, bone, wood)
- Feb 6 4000-2400 BC BRONZE AGE: Metallurgy/smelting, paints/pigments metals ovens; Weights/Balance/Scales, gold embossing/plating, copper pipes, 2000 BC chariots, fountains, artesian wells (Flood of Noah)
- Feb 20 2400-1500 BC Egyptian Siphons, Sundial, Water towers, (Gravity to Adiabatic expansion) Waterwheels BC Water towers (Tower of Babel/Pyramids and Ziggurats to Abraham)
- March 6 1500-100 BC IRON AGE BEGINS...Cast iron China, 750-500 BC windmills, Roman roads, crossbow, cranes (3 pulley), magnetism, math, trigonometry. (Moses – Judges, Kings, to Ezra/Nehemiah)



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- March 20 100-1500 AD Seismometer, pendulum, woodblock printing, water turbine, Gunpowder, guns, fireworks, Properties of Matter (The New Testament and Early Church to the Copernican Revolution)
- April 3 1600's Telescope, microscope, piston engine, vacuum pump, pressure cooker, steam powered water pump (Kepler, Newton, Galileo)
- April 17 1700's Steam engine, combustion engines, Gas Laws, Leyden jar, capacitor, submarine, cotton gin (Philosophers/Theologians, Enlightenment Period)
- May 1 1800's Electropower: AC/DC, Telephone, Electricity, Light Bulbs, Motion Picture, Telegraph/Telephone/Radio (Flood/Creation Denial & Darwin)
- May 15 1900-2000's TV, cell phone, Electromagnetic sensors (EM Spectrum) IR, Nuclear power, X-rays, Nuclear Medicine, weak and strong nuclear (Einstein, Hubble, and modern cosmology – Big Bang, Universe has a Beginning)