

## PSC-4011 History of Electricity

- ~ 500BC – Attraction between silk and amber observed by Thales.
- ~500BC – It was observed that iron is drawn to a rock named magnetite.
- <11<sup>th</sup> century – Chinese were navigating using floating magnets.
- 1269 – Difference between north and south poles of magnets are demonstrated by Pierre de Maricourt.
- 1600 – William Gilbert demonstrated that he was able to give an electric charge to many different substances.
- 1746 – Static electricity was first stored in a Leyden jar by Pieter van Mussenbröek.
- 1752 – Benjamin Franklin demonstrated the nature of lightning using a kite and a key.
- 1785 – Charles-Augustin de Coulomb developed a system for measuring electric force which is now called Coulomb's Law.
- 1800 – First battery developed by Alessandro Volta.
- Soon after 1800 – Chemical composition of water is discovered through the process of electrolysis.
- 1820 – Hans Christian Oersted noticed that a compass needle is deflected by an electric current.
- 1821 – The connection between electricity and magnetism was demonstrated by Andre Marie Ampere.
- 1831 – Michael Faraday discovered that electric current can be generated by magnets through induction.
- 1873 – James Maxwell predicts the existence of electromagnetic radiation.
- 1876 – Alexander Graham Bell invents the telephone.
- 1888 – Radio waves (later called hertzian waves) are produced under laboratory conditions by Heinrich Hertz.
- 1896 – Marconi invents the radio.