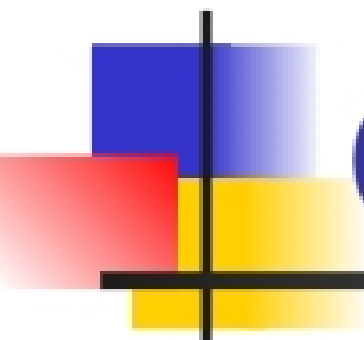
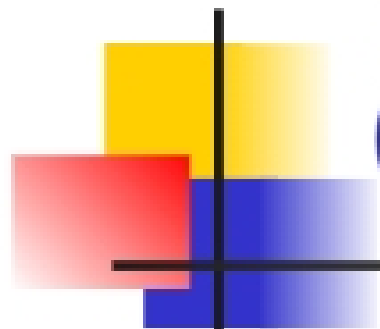




Chapter 15

Electric Forces and Electric Fields



First Observations – Greeks

- Observed electric and magnetic phenomena as early as 700 BC
 - Found that amber, when rubbed, became electrified and attracted pieces of straw or feathers
 - Also discovered magnetic forces by observing magnetite attracting iron

Benjamin Franklin

- 1706 – 1790
- Printer, author, founding father, inventor, diplomat
- Physical Scientist
 - 1740's work on electricity changed unrelated observations into coherent science

