

Mr. Schneider presents...

Electrostatic Topics

- Charge carriers
- Charge interactions (attraction vs. repulsion of +/-)
- Electrical affinity
- Polarization
- 3 charging methods
- Coulomb's law
- Electric field strength vs. gravitational field strength
- Electric force vectors
- Faraday field lines
- Electric potential vs. electric PE
- Converting work to EPE to KE
- Conductors vs. insulators
- Gauss's law
- Charge distribution in a conductor
- Electric arcs (sparks)
- $F = k \frac{q_1 q_2}{r^2}$
- $\vec{E} = \frac{\vec{F}}{q}$
- $V = \frac{W}{q}$