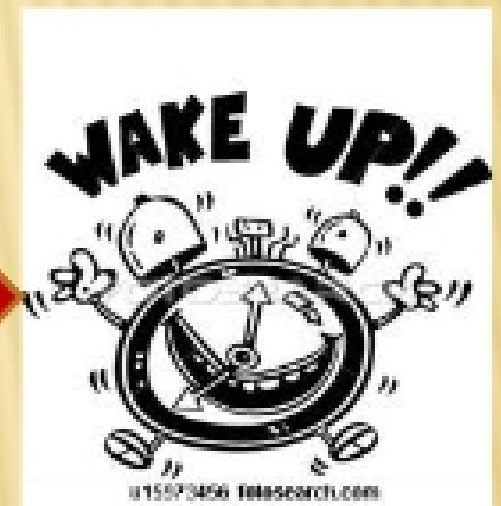


E-Field w3d3

# **ELECTRIC FIELD (CONTINUED)**

# HAPPNINS

- Today
  - Quiz 2
  - Continue with E-Field
  - A problem or two
- Monday
  - 7:30 am PROBLEM SESSION
  - Electric Flux and Gauss's Law
- Wednesday
  - Start Unit on Potential
- Sunday
  - WebAssign Due
- Friday
  - Quiz, Etc.



WebAssign

# THE COULOMB FORCE

- Coulombs Law applies  $F = K \frac{q_1 q_2}{r^2}$
- The FORCE is always on a particular charge
- The Force on a particular charge under the influence of other charges is found by **SUPERPOSITION**. (Add em up!!)
- The force is a VECTOR!!! You add them vectors!
- A charge cannot apply a force to itself.

