

# Electricity and Magnetism

**Enduring Understanding**- The electric potential changes when work is done.

## Essential Questions

1. Who or what is doing the work?
2. How is the total potential from two or more charges calculated?
3. Can you have an electric field and no electric potential; can you have an electric potential and no electric field??
4. How important is symmetry in the derivation of an electric potential?
5. How should you set up the integral to find  $\Delta V$ ?



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