

## Electricity and Magnetism

**Enduring Understanding** - Moving charges produce magnetic fields and experience magnetic force when traveling across the field lines of an external magnetic field.

### Essential Questions

- 1. How are magnetic poles different from electric charges?
- 2. What determines the magnetic force on a charged particle?
- 3. How can the motion of a charged particle be manipulated?
- 4. Under what conditions must Biot-Savart be used to calculate the magnetic field?
- 5. Under what conditions must Ampere's Law be used to calculate the magnetic field?



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## Magnetic Fields

