

Lesson #11: Magnetic Fields & Forces

| Topics | Frank's Lecture Video | Hewitt Drew It Videos | Khanacademy Videos | Solution Videos |
|--|-----------------------|-----------------------|---|---|
| Magnetism & Magnetic Fields | | | Introduction to Magnetism Magnetism 2 Magnetism 3 Magnetism 4 | None |
| Magnetic Forces | | | Magnetism 5 | EM 51 |
| Vector Cross Product & Right Hand Rule | | | Cross product 1 Cross Product 2 Cross Product and Torque Dot vs. Cross Product Calculating dot and cross products with unit vector notation | None |
| Calculating B Biot Savart Law and Ampere's Law | | | Magnetism 6: Magnetic field due to current Magnetism 7 Magnetism 8 | EM 56 EM 57* |
| Using Magnetic Fields & Forces | | | Magnetism 9: Electric Motors Magnetism 10: Electric Motors Magnetism 11: Electric Motors | EM 52 EM 53C |

* = this problem requires calculus