**IB Physics**

Magnetism and Induction

(Chapter 20 and 21 Syllabus)

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|  | Block | In Class | Due on this class |
| **M** | **1** Nov 16 | **DI**-Demos and the three right hand rules  **GW**-Group Quiz 20ABC | **VF 20A, 20B, 20C** |
| **T** | **2**  Nov 17 | **DI**-Hysteresis Demo  **GW**-Group Quiz 20DEF | **VF 20D, 20E, 20F** |
| **Th** | **3**  Nov 19 | **GW**-Group Quiz 20DEF | **Read:** Oxford 5.4 pp. 227-244 |
| **F** | **4**  Nov 20 | **SA 20.1 and 20.2 (due EOD Sunday)**  **DI**-Galvanometers, Speakers, Motors (20G) | Turn In: FA20.1, FA20.2  **VF 20G, 20H** |
| **M** | **5**  Nov 23 | **DI**-Demos and direction of current  **IW**-Faraday’s Law Lab | **VF 21A, 21B, 21C**  Turn In: Faraday’s Law lab |
| **T** | **6**  Nov 24 | **DI-**Faraday’s Law ILDs  **GW**- Group Quiz 21ABC | **VF 21D, 21E, 21F** |
| **Th** | **6¼**  Nov 26 | Thanksgiving!! |  |
| **F** | **6¾**  Nov 27 | The day after Thanksgiving |  |
| **M** | **7**  Nov 30 | **DI-**Faraday’s Law ILDs  **GW**- Group Quiz 21ABC  **GW-**IB Packet 20-21 | **VF** **20I, 20K, 21G**  Turn In: Induction ILDs  **Read:** Oxford 11.1 pp. 427-438 |
| **T** | **8**  Dec 1 | **SA 21.1, 21.2 (due EOD Thursday)**  **GW-**IB Packet 20-21 | Turn In: FA21.1, FA21.2  **Read:** Oxford 11.2 pp. 439-454 |
| **Th** | **9**  Dec 3 | **GW-**IB Packet 20-21  **VF 27A, 27BCD** | Turn In: FA20.3 (no summative)  **VF 27A, 27BCD** |
| **F** | **10**  Dec 4 | **GW-**IB Packet 20-21  **VF 27D1** | **VF 27D1** |
| **M** | **1**  Dec 7 | **Atomic and Nuclear!!** | **VF 27EFG**  Turn In: IB Packet 20-21 |
| **T** | **2**  Dec 8 |  |  |

Assignments

* 2 Labs:
  + Faraday’s Law Lab (10 pts)
  + Induction ILDs (30 pts)
* 5 Formative, 4 Summative Assessments
  + 20.1 – Right Hand Rules
  + 20.2 – Forces on Wires and Particles
  + 20.3 - Ampere's Law (no summative)
  + 21.1 – Lenz's Law
  + 21.2 – Electrical Induction
* IB Packet 20-21