**IB Physics**

Atomic and Nuclear

Chapter 27, 28, 30, 31 Syllabus

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| B | In c lass:  | Due on this class: |
| 1Feb 24 | **GW**-27.1 #1-15 | **VF 27A, 27BCD, 27D1, 27EFG** |
| 2Feb27 | **GW**-27.1 #16-25**GW**-FA27.1 | **VF 27G1, 27H** |
| 3Mar 2 | **SA27.1-Photon Theory (first 30)****VF**-27I, 27J, 27K | Turn in: FA27.1 |
| 4Mar 4 | **GW**-27.2 #1-18 | **VF 27I, 27J, 27K , 27L, 27MNO** |
| 5Mar6 | **GW**-27.2 Parts A and B | **VF 32A, 32B, 32C, 32D** |
| 6Mar10 | **GW**-Part C**GW**-FA27.2 | **VF 32E** |
| 7Mar12 | **SA27.2-Atomic Physics (first 30)****VF**-30A, 30B | Turn in: FA27.2 |
| 8Mar 16 | **GW**-30.2 #1-16**GW**-FA30.2 | **VF 30A, 30B, 30M, 30N, 30N1, 30O** |
| 9Mar 18 | **SA30.2-Nuclear Reactions (first 30)****VF**-30C, 30D, 30F **DI**-Hiroshima (30P) | Turn in: FA30.2 |
| 10Mar20 | **GW**-30.1 #1-7IB Packet | **VF 30C, 30D, 30E, 30F, 30G, 30H** |
| **Yay Spring Break Yay Spring Break Yay Spring Break Yay Spring Break Yay Spring Break Yay!** |
| 11Apr 1 | **GW**-30.1 #8-24**GW**-FA30.1 | **VF 30I, 30J, 30K, 30L** |
| 12Apr3 | **SA30.1-Radioactive Decay (first 30)****VF**-30Q | Turn in: FA30.1 |
| 13Apr 7 | **GW-**Decay Lab**GW-**Young's Double Slit Lab (EC) | Turn in: Decay LabTurn in: Paper 1 |
| 14Apr9 | **IB Atomic and Nuclear test** | Turn in IB Packet |
|  | **April 14, 16, 20, 22 - IB Review** | **April 24, 28, 30 - IB Mock Final Exam** |
| Assignments* 2 Labs:
	+ Decay Lab – Determine the half-life of a computer-simulated nuclear decay
	+ Young's Double Slit - EC lab for IB
* 4 Formative/Summative Assessments
	+ 27.1 – Photons
	+ 27.2 – Atomic and Particle
	+ 30.1 – Radioactivity
	+ 31.1 – Nuclear Reactions

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