

# IB Physics Syllabus – HL

Mr. Catone  
2013-2014 School Year

		HOURS	SEs
<b>1<sup>ST</sup> SEMESTER</b>			
1 <sup>st</sup> Six Weeks			
• Topic 1: Physics and Physical Measurement		5	1, 2, 3
• Topic 2: Mechanics		17	4A, ABCDEF
• Topic 9: Motion in Fields		8	5A, BCDEH
• Topic 3: Thermal Physics		7	6EFG
2 <sup>nd</sup> Six Weeks			
• Topic 10: Thermal Physics		6	6EFG
• Topic 4: Oscillations and Waves		10	7A, BCDEF
• Topic 11: Wave Phenomena		12	7A, BCDEF
• Topic 5: Electric Currents		7	5DEF
3 <sup>rd</sup> Six Weeks			
• Topic 6: Fields and Forces		7	5A, BCDEH
• Topic 12: Electromagnetic Induction		6	5G
• Topic 7: Atomic and Nuclear Physics		9	5H, 8A, BCD
• Topic 13: Quantum and Nuclear Physics		15	8A, BCD
<b>2<sup>ND</sup> SEMESTER</b>			
4 <sup>th</sup> Six Weeks			
• Topic 8: Energy, Power and Climate Change		18	6A, BCD
• Topic 14: Digital Technology		8	N/A
• Option H: Relativity		10	N/A
5 <sup>th</sup> Six Weeks			
• Option H: Relativity (cont)		12	N/A
• Option G: Electromagnetic Waves		22	7A, BCDEF
6 <sup>th</sup> Six Weeks			
• Course Review and Exam Prep			

## NOTES:

- Course hours are according to the IB Physics Diploma Programme Guide, March 2007.
- SEs refer to the science TEKS, adopted March 2009 and updated August 2010, chapter 112, subchapter C, §112.39, and listed in TEA's STAAR Physics Assessment, Fall 2010.
- Topics 9-14 are extra core material for HL. Option hours are 22 for HL.

# Physic Ib Hl Paper 1 2013

**Sidney Fernbach,A. H. Taub**



## Physic Ib HL Paper 1 2013:

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