IB Physics

Chapter 5 and 6 Syllabus

Gravity and Circular Motion

Work and Energy

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| Block | Class  | Due  |
| 1Nov19/20 | **DI**-Barrel of Bricks**GW**-Plate Lab**GW**-FA5.1-Circular Motion**DI**-Vertical Circle Demo | **VF 5A, 5B**Turn in: Plate lab |
| 2Nov21/22 | **GW**-Vertical Circle**GW**-FA5.2 | **VF 5C1, 5C2, 5D** |
| 3Dec 2/3 | **SA5.2-Vertical Circle (first 30)****VF-**5E Gravity**GW**-Gravity problems | Turn in: FA5.2 |
| 4Dec 4/5 | **GW**-5.3 Orbit Problems**VF**-5H Banked Corners (optional) | **VF 5E, 5F, 5G** |
| 5/1Dec 6/9 | **GW**-FA5.3**GW**-Orbit Lab | **VF 6A, 6B** |
| 2Dec10/11 | **SA5.3-Orbit Problems (first 30)****VF**-6C, 6DCalculating Energy**GW**-Calculating Energy | Turin in: FA5.3Turn in: Orbit Problems |
| 3Dec12/13 | **DI**-Conservation of Energy**GW**-6.2 Conservation of Energy Quizlette | **VF 6E, 6F, 6G** |
| 4Dec16/17 | **DI**-Energy Labs**GW**-6.2 COE Problems**GW**-6.1 Work and Efficiency | **VF Energy Lab** **VF 6H, 6I, 6J** |
| 5Dec18/19 | **GW**-Energy lab**GW**-Problems |  |
| 6Dec 20/Jan 6 | **SA6.2&SA6.1 -Energy (first 60)****IW**-Energy Lab**GW**-Energy Lab | Turn in: FA6.1, FA6.2Turn in: C.O.E Quizlette |
| Jan7/8 | **MOMENTUM!!** | **VF 7A, 7B, 7C, 7D**Turn in: Energy Lab |

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| Assignments* 3 Labs:
	+ Plate lab /10 pts
	+ Orbit Lab – simulation /30 pts
	+ Energy Lab /30 pts
* 2 Formative Group Work:
	+ Orbit Problems /20
	+ C.O.E Quizlette /20
* 5 Formative/4 Summative Assessments:
	+ 5.1 – Centripetal Acceleration\*
	+ 5.2 - Vertical Circle
	+ 5.3 - Orbit and Gravity
	+ 6.1-Work and Efficiency
	+ 6.2-Conservation of Energy

\*Formative only | Handouts:  |