IB Physics

Chapter 5 and 6 Syllabus

Gravity and Circular Motion

Work and Energy

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| Block | Class | Due |
| 1  Nov  19/20 | **DI**-Barrel of Bricks  **GW**-Plate Lab  **GW**-FA5.1-Circular Motion  **DI**-Vertical Circle Demo | **VF 5A, 5B**  Turn in: Plate lab |
| 2  Nov  21/22 | **GW**-Vertical Circle  **GW**-FA5.2 | **VF 5C1, 5C2, 5D** |
| 3  Dec  2/3 | **SA5.2-Vertical Circle (first 30)**  **VF-**5E Gravity  **GW**-Gravity problems | Turn in: FA5.2 |
| 4  Dec  4/5 | **GW**-5.3 Orbit Problems  **VF**-5H Banked Corners (optional) | **VF 5E, 5F, 5G** |
| 5/1  Dec  6/9 | **GW**-FA5.3  **GW**-Orbit Lab | **VF 6A, 6B** |
| 2  Dec  10/11 | **SA5.3-Orbit Problems (first 30)**  **VF**-6C, 6DCalculating Energy  **GW**-Calculating Energy | Turin in: FA5.3  Turn in: Orbit Problems |
| 3  Dec  12/13 | **DI**-Conservation of Energy  **GW**-6.2 Conservation of Energy Quizlette | **VF 6E, 6F, 6G** |
| 4  Dec  16/17 | **DI**-Energy Labs  **GW**-6.2 COE Problems  **GW**-6.1 Work and Efficiency | **VF Energy Lab**  **VF 6H, 6I, 6J** |
| 5  Dec  18/19 | **GW**-Energy lab  **GW**-Problems |  |
| 6  Dec 20/  Jan 6 | **SA6.2&SA6.1 -Energy (first 60)**  **IW**-Energy Lab  **GW**-Energy Lab | Turn in: FA6.1, FA6.2  Turn in: C.O.E Quizlette |
| Jan  7/8 | **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: |