IB Physics

Chapter 8 Syllabus

Angular Mechanics

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| A/B | In Class: | | Due on this class: |
| 5  Jan  17/21 | **DI**-Demos - Cannon/Match rockets/Angular Sheet  **DI**-Demos - Angular Quantities  **GW**-Vector Momentum Lab  **GW**-Conservation of Momentum Lab  **GW**-Conservation of Momentum problems (7.2)  **GW**-Energy and Momentum problems (7.3) | | **VF 8A Angular Quantities**  **VF 8B Angular Conversions**  **VF 8C Tangential Relationships** |
| **Finals** | **Group Final for IB Questions** | | |
| 6  Jan  28/29 | **GW**-7.2, 7.3, 8.1  **DI**-Torque and Moment of Inertia demos | Turn in: Angular Quantities 8.0 (At beginning of period!)  **VF 8ABC, 8D, 8E** | |
| 1  Jan 30/31 | **SA7.2 Conservation of Momentum**  **SA7.3 Energy and Momentum**  **SA8.1** **Angular Kinematics** | Turn in: FA7.2, FA7.3, FA8.1  Turn in: Vector Momentum and COM labs | |
| @%#$  Feb  3/4 | Valuable Standardized Testing (VST) | | |
| 2  Feb  5/6 | (some people finish up VST)  GW-8.2 Angular Dynamics  GW-FA8.2 | **VF 8F-Torque, 8G-Moment of Inertia** | |
| 3  Feb  7/10 | GW-8.2 Angular Dynamics  GW-FA8.2 | **VF 8J, 8K 8L** | |
| 4  Feb  11/12 | **SA8.2-Angular Dynamics (first 30)**  VF-8I Rolling Dynamics  DI-Rolling Dynamics Demo/Example | Turn in: FA8.2 | |
| 5  Feb  13/18 | GW-Energy and Momentum 8.3  DI-Demos | **VF 8M, 8NOP** | |
| 6  Feb  19/20 | **SA8.3-Energy and Momentum (first 30)**  VF-8Q, 8R  DI-Cross Product/Precession | Turn in: FA8.3 | |
| 7  Feb  21/24 | DI-Gyroscopes  GW-Gyroscope Investigation | **VF 8Q, 8R** | |
| 1  Feb 26/27 | **Statics!!!!!!** | **VF 9A, 9B, 9C**  Turn in: Gyroscope Investigation | |

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| 1 Lab:   * Gyroscope Investigation   3 Formative/Summative Assessments   * 8.1 – Rotational Kinematics * 8.2 – Rotational Dynamics * 8.3 – Rotational Energy and Momentum | Handouts: |