IB Physics

Chapter 8 Syllabus

Angular Mechanics

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| A/B | In Class: | Due on this class: |
| 5Jan 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** |
| 6Jan28/29 | **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** |
| 1Jan 30/31 | **SA7.2 Conservation of Momentum****SA7.3 Energy and Momentum** **SA8.1** **Angular Kinematics** | Turn in: FA7.2, FA7.3, FA8.1Turn in: Vector Momentum and COM labs |
| @%#$Feb3/4 | Valuable Standardized Testing (VST) |
| 2Feb5/6 | (some people finish up VST)GW-8.2 Angular DynamicsGW-FA8.2 | **VF 8F-Torque, 8G-Moment of Inertia** |
| 3Feb7/10 | GW-8.2 Angular DynamicsGW-FA8.2 | **VF 8J, 8K 8L**  |
| 4 Feb 11/12 | **SA8.2-Angular Dynamics (first 30)**VF-8I Rolling DynamicsDI-Rolling Dynamics Demo/Example | Turn in: FA8.2 |
| 5Feb13/18 | GW-Energy and Momentum 8.3DI-Demos | **VF 8M, 8NOP** |
| 6Feb19/20 | **SA8.3-Energy and Momentum (first 30)**VF-8Q, 8RDI-Cross Product/Precession | Turn in: FA8.3 |
| 7Feb21/24 | DI-GyroscopesGW-Gyroscope Investigation | **VF 8Q, 8R** |
| 1Feb 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: |