IB Physics

Chapter 8 Syllabus

Angular Mechanics

|  |  |  |
| --- | --- | --- |
| A/B | In Class: | Due on this class: |
| 1Feb 11/12 | DI-Introduction/DemosGW-Kinematics | **VF 8ABC, 8D, 8E**Turn in: Angular Quantities 8.0 |
| 2Feb13/14 | **SA8.1-Angular Kinematics (first 30)**VF-8F-Torque, 8G-Moment of InertiaDI-Torque and Moment of Inertia Demos | Turn in: FA8.1 |
| 3Feb15/19 | GW-8.2 Angular DynamicsGW-FA8.2 |  |
| 4Feb21/22 | **SA8.2-Angular Dynamics (first 30)**VF-8I Rolling DynamicsDI-Rolling Dynamics Demo/Example | Turn in: FA8.2 |
| 4 3/4Feb25/26 |  Oaks Testing | **VF 8J, 8K 8L** |
| 5 Feb 27/28 | GW-Energy and Momentum 8.3DI-Demos | **VF 8M, 8NOP** |
| 6 Mar 1/4 | **SA8.3-Energy and Momentum (first 30)**VF-8Q, 8RDI-Cross Product/Precession | Turn in: FA8.3 |
| 7 Mar 5/6 | DI-GyroscopesGW-Gyroscope Investigation | **VF 8Q, 8R** |
| Mar7/8 | **Statics!!!!** | **VF 9A, 9B, 9C**Turn in: Gyroscope Investigation |

|  |  |
| --- | --- |
| 1 Lab:* Gyroscope Investigation

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