**IB Physics**

Chapter 9 Syllabus

Statics

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| Block | Class | Due |
| 1  Mar 11/16 | -Translational Equilibrium  -1 unknown  -2 unknowns (matrices!!!) | **Read:** 9-1 through example 9-2 |
| 2  Mar 17/18 | -Equilibrium Lab on the force table  -Torsional Equilibrium | **Practice:** Ch9: 1, 11, 12  **Read:** 9-1, 9-2 through example 9-5 |
| 3  Mar 19/20 | -Center of mass  -Geometric solids  -Irregular solids  -Points - The Seesaw equation  -Stability | **Read:** 9-4 |
| 4  Mar 30/31 | -Torsional and Translational Equilibrium | **Read:** Example 9-6 |
| 5  Apr 1/2 | -More Torsional and Translational Equilibrium  -Work on Center of Mass Lab  -Hand out FA 9.1, 9.2, 9.3 | **Video Flip:** Center of Mass Lab |
| 6  Apr 3/6 | -Work on FA  -Work on Center of Mass lab |  |
| 7  Apr 7/8 | -Summative Assessments:  9.1 - Translational Equilibrium  9.2 - Torsional Equilibrium and Center of Mass  9.3 - Torsional and Translational Equilibrium |  |
| Apr 9/13 | **Vaves! Jah!** (und simple harmonishes motion) |  |

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| 2 Labs:   * Equilibrium Lab * Center of Mass   3 Formative/Summative Assessments   * 9.1 - Translational Equilibrium * 9.2 - Torsional Equilibrium and Center of Mass * 9.3 - Torsional and Translational Equilibrium | Handouts:   * Lab-CenterOfMass * FA09.1 * FA09.2 * FA09.3 * Worksheet-CenterOfMass |