**IB Physics**

Chapter 9 Syllabus

Statics

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| Block | Class  | Due  |
| 1Mar 11/16 | -Translational Equilibrium-1 unknown-2 unknowns (matrices!!!) | **Read:** 9-1 through example 9-2 |
| 2Mar 17/18 | -Equilibrium Lab on the force table-Torsional Equilibrium | **Practice:** Ch9: 1, 11, 12**Read:** 9-1, 9-2 through example 9-5 |
| 3Mar 19/20 | -Center of mass-Geometric solids-Irregular solids-Points - The Seesaw equation-Stability | **Read:** 9-4 |
| 4Mar 30/31 | -Torsional and Translational Equilibrium | **Read:** Example 9-6 |
| 5Apr 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 |
| 6Apr 3/6 | -Work on FA-Work on Center of Mass lab |  |
| 7Apr 7/8 | -Summative Assessments:9.1 - Translational Equilibrium9.2 - Torsional Equilibrium and Center of Mass9.3 - 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
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