**IB Physics**

Chapter 9 Syllabus

Statics

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| Block | Class  | Due  |
| 1Mar 14/15 | -Translational Equilibrium-1 unknown-2 unknowns (matrices!!!) | **Read:** 9-1 through example 9-2 |
| 2Mar 16/17 | -Equilibrium Lab on the force table-Torsional Equilibrium | **Check #1 9.1:** #1, 2, 6, 7[[1]](#footnote-1)**Read:** 9-1, 9-2 through example 9-5 |
| 3Mar 18/29 | -Center of mass-Geometric solids-Irregular solids-Points - The Seesaw equation-Stability | **Check #2 9.2:** #21, 22, 26, 27**Read:** 9-4 |
| 4Mar 30/31 | -Torsional and Translational Equilibrium | **Check #3 9.2:** #8, 9, 10, 14**Read:** Example 9-6 |
| 5Apr 1/4 | -More Torsional and Translational Equilibrium-Work on Center of Mass Lab-Hand out FA 9.1, 9.2, 9.3 | **Check #4 9.3:** #1, 3, 4, 5**Video Flip:** Center of Mass Lab |
| 6Apr 5/6 | -Work on FA-Work on Center of Mass lab | **Check #5 9.3:** #7, 8, 11, 12 |
| 7Apr 7/8 | -Summative Assessments:9.1 - Translational Equilibrium9.2 - Torsional Equilibrium and Center of Mass9.3 - Torsional and Translational Equilibrium | **Turn in:** FA 9.1, 9.2, 9.3[[2]](#footnote-2)**Turn in:** Check 1-5 |
| Apr 11/12 | **Vaves! Jah!** (und simple harmonishes motion) |  |

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| 2 Labs:* Equilibrium Lab - with Force table
* 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-Practice9.1
* Worksheet-Practice9.2
* Worksheet-Practice9.3
 |

1. Label this "Check #1" in your homework. Demarcate the different checks with horizontal lines in your homework if it is on the same page. Staple the sheets together when you turn them in. [↑](#footnote-ref-1)
2. Don't staple these together ;-) [↑](#footnote-ref-2)