**IB Physics**

Chapter 9 Syllabus

Statics

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| Block | Class | Due |
| 1  Mar 14/15 | -Translational Equilibrium  -1 unknown  -2 unknowns (matrices!!!) | **Read:** 9-1 through example 9-2 |
| 2  Mar 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 |
| 3  Mar 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 |
| 4  Mar 30/31 | -Torsional and Translational Equilibrium | **Check #3 9.2:** #8, 9, 10, 14  **Read:** Example 9-6 |
| 5  Apr 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 |
| 6  Apr 5/6 | -Work on FA  -Work on Center of Mass lab | **Check #5 9.3:** #7, 8, 11, 12 |
| 7  Apr 7/8 | -Summative Assessments:  9.1 - Translational Equilibrium  9.2 - Torsional Equilibrium and Center of Mass  9.3 - 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)