**IB Physics**

Chapter 9 Syllabus

Statics

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| A/B | In Class: | Due on this class: | If you miss this class: |
| 1  Mar  20/21 | -Translational Equilibrium  -1 unknown  -2 unknowns (matrices!!!) |  | **Read:** 9-1 through ex 9-2  **Watch:** Videos A, B, C |
| 2  Mar  22/23 | -Torsional Equilibrium  -Equilibrium Lab on the force table | **Check:** P9.1 #1, 2, 6, 7  **Turn In:** 9.1 | **Read:** 9-1, 9-2 through example 9-5  **Watch:** Videos D |
| 3  Apr  3/4 | -Center of mass  -Geometric solids  -Irregular solids  -Points - The Seesaw equation  -Stability | **Check:** P9.2 #21, 22, 26, 27 | **Read:** 9-4  **Watch:** Videos E |
| 4  Apr  5/6 | -Torsional and Translational Equilibrium | **Check:** P9.2 #8, 9, 10, 14  **Turn In:** P9.2 | **Read:** Example 9-6  **Watch:** Videos F |
| 5  Apr  9/10 | -More Torsional and Translational Equilibrium  -Work on Center of Mass Lab  -Hand out FA 9.1, 9.2, 9.3 | **Check:** P9.3 #1, 3, 4, 5  **Video Flip:** Center of Mass Lab | **Watch:** Videos F |
| 6  Apr  11/12 | -Work on FA  -Work on Center of Mass lab | **Check:** P9.3 #7, 8, 11, 12 |  |
| 7  Apr  16/17 | -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  **Turn In:** P9.3 |  |
| Apr  18/19 | **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   3 Homework assignments:   * P9.1: #1, 2, 6, 7 /8 pts * P9.2: #21, 22, 26, 27, 8, 9, 10, 14 /16 pts * P9.3: #1, 3, 4, 5, 7, 8, 11, 12 /16 pts | Handouts: |