**Physics G**

Chapter 7 Syllabus

Gravity and Circular Motion

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| Block | | Class | Due | |
| 1  **Apr 10/9** | | -Centripetal acceleration vs Linear  -Centripetal Force  -RPMs, RPS and velocity  -Centripetal vs. Centrifugal | **Read:**  7.2 (starting at page 257), 7.3 | |
| 2  **Apr 15/14** | | -Motion in a vertical circle (g force)  -Fundamental forces in Physics  -Universal Gravitation | **Check:** CM:1-10  **Read:** p. 260-2 | |
| **Apr 17/16** | | OAKSOAKSOAKSOAKSOAKS testing |  | |
| 3  **Apr 21/18** | | -Work on G&O 1-9  -**Quiz** on Circular Motion  -Orbit Noteguide | **Check:** CM:11-15  **Read:** p. 263-5  **Turn In:** Circular Motion | |
| 4  **Apr 24/22** | | -Work On Orbit Problems (G&O: 10-18) | **Video Flip: F –Orbit (≈22 min)**  **Check:** G&O: 1-9 (11 problems...uh) | |
| **Apr 23** | | ACTACTACTACTACTACTACT test |  | |
| 5  **Apr 28/25** | | **-PreQuiz 7.2 - Orbit**  -**Skill Set 7.2**  -Models of orbital mechanics | **Check:** G&O: 10-18  **Read:** p. 266-9  **Turn in:** PreQuiz 7.2 | |
| 6  **Apr 30/29** | | -Orbit lab  -Mock Test | **Check:** G&O: 19-23 | |
| 7  **May 2/1** | | -**Test** on Chapter 7 | **Turn In:** Orbit Lab  **Turn In:** Gravity and Orbit | |
|  | | **Oaks Park Week May 5-9** |  | |
| Assignments:   * 2 Worksheets + book problems:   + *Circular Motion* (15)+ 2 stamps /34 pts   + *Gravity and Orbit* (25) + 3 stamps /56 pts * 1 Lab:   + *Orbit lab* – (Simulation on computer) /25 pts * 1 Quiz:   + Quiz on Circular Motion /10 Quiz Pts * 1 PreQuiz/SkillSet:   + 7.2 - Orbit /10 Quiz Pts/10 Test Pts * 1 Test on Gravity and Circular Motion | | | Handouts:  This Syllabus  Worksheet-CircularMotion  Worksheet-GravityAndOrbit  Noteguide-Orbit  PreQuiz7.2  Lab-Orbit | |