**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 |