

Thursday, November 29/2
Physics 122/121

1. Mock Quiz - Questions?
 2. Glogsters
 3. Mass on a Spring Problems - P1&6 - Finish Example for HW
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4. Text: Page 608, #1-4
Page 623, #23-27, 30

Exam Schedule

	M.	T	W	Th	F
Am	(1)	(2)	(3)	(4)	(6)

pm. ~~X~~ District
math
9/10



Circular Motion

Handout: Problems - Circular Motion

LEVEL 1 -> Packet (Banked and Unbanked Curves, Vertical
Circular Motion)

Universal Gravitation

Experiment 8.1 - Kepler's Laws - Page 49

Chapter 12 - Page 580, PP#1-7

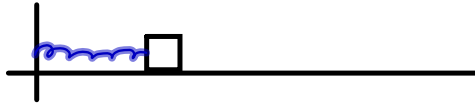
Investigation 12-A, Page 581

Handouts (3) - Kepler's Laws, Value of "g", Speed and Period of a
Satellite

Simple Harmonic Motion

Text: Page 608, #1-4
Page 623, #23-27, 30 } Mass on Spring

Example:



You stretch a spring a distance of 12.0 cm from its rest position and release it. A 125 g mass on the end of the spring completes exactly 20.0 cycles in 15.5 s.

Find:

- the period
- the force constant (spring constant)
- the total energy of the system
- the maximum speed of the mass
- the speed of the mass when it is 10.0 cm from its equilibrium position

$$T = 2\pi\sqrt{m/k}$$



Might come in handy :)