May 23 - Victoria Day (Monday)
May 27 - Professional Learning Day (Friday)

Physics 112 Wednesday, May 11/16 http://mvhs.nbed.nb.ca/
http://mvhs-sherrard.weebly.com/
*Library Books

Adopt a Family

Explain That Stuff - May 13/16

- 1. Investigation: Atwood's Machine 3 Days Late
- 2. Test Unit 2
- 3. Worksheet: Text Page 221, PP #1-3 Work Done and Not Done Worksheet: Text Page 225, PP #4-10

Science 122 Wednesday, May 11/16

http://mvhs.nbed.nb.ca/

1. Test - Wednesday, May 11/16

Science 10 Wednesday, May 11/16

http://mvhs.nbed.nb.ca/

- 1. Questions? -> Review: Physics Unit Multiple Choice
- 2. Test Physics Unit Friday, May 13/16
- 3. Roller Coasters Deadline: Thursday, May 26/16

Physics 122 Wednesday, May 11/16

http://mvhs.nbed.nb.ca/
http://mvhs-sherrard.weebly.com/

Explain That Stuff - May 13/16

- Assignment: Experiment 8.1 Kepler's Laws Page 49
 Days Late
- 2. Return -> Formative Assessment Planetary Motion
- 3. FA Gravitational Force
- 4. Worksheet: Text: Page 614, PP #5-8
 Text: Page 623, PFU #28, 29 pendulums
- 5. Review: Hooke's Law
- 6. Review: Types of Energy
- 7. Energy of a Mass on a Horizontal Spring
- 8. Maximum Speed of a Mass on a Spring
- 9. Velocity Of A Mass On A Spring At Any Point
- 10. Worksheet: Text Page 608, #1-4 Page 623, #23-27, 30

Formative Assessment - Planetary Motion Tuesday, May 10/16

The asteroid "197 Ke" has its own small moon, Nacdyl.

- a) Find the mass of "197 Ike" given that the orbital radius of Nacdyl is 65 km and its period is 12 h. $(8.7 \times 10^{16} \text{ kg})$
- b) How far would a UFO be from the center of "197 Ike" if the UFO has an orbital speed of 648 km/h? (1.8 x 10² m)

Formative Assessment - Gravitational Force Wednesday, May 11/16

What force does Earth (5.98 x 10^{24} kg) exert on an 80.0 kg astronaut at an altitude equivalent to 2.5 times Earth's radius (6.371 x 10^6 m)?

$$F = \frac{Gm_{E}m_{L}}{r^{2}}$$

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$$V = \frac{GM_{$$