

**Physics J Syllabus**  
**2008-09**  
**Ms. Cerami**

|                 | <b>Wednesday<br/>January 7</b>  | <b>Thursday<br/>January 8</b> | <b>Friday<br/>January 9</b>  | <b>Monday<br/>January 12</b>  | <b>Tuesday<br/>January 13</b>  | <b>Wednesday<br/>January 14</b> |
|-----------------|---|-------------------------------|--|---|--|---------------------------------|
|                 | <b>A</b>  | <b>B</b>                      | <b>C (2x)</b>  | <b>D</b>  | <b>E</b>   | <b>F</b>                        |
| <b>TOPIC</b>    | Static and kinetic friction<br><br>Practice calculations<br><br>Net force and friction  | <b>NO CLASS</b>               | Discuss possible experiments to measure static and kinetic friction on an object<br><br>Friction lab | Sharing of results from friction experiment<br><br>Friction (and general force) practice problems | <b>Quiz on friction</b> (15-20 minutes, 15-20 pts)<br><br>Start projectile motion<br>Video analysis  | <b>NO CLASS</b>                 |
| <b>HOMEWORK</b> | Practice 4C p. 145<br>#1-3<br>2: a. 1.5, b. 1.3<br><br>Practice 4D p. 147<br>#1-4<br>2: $0.77 \text{ m/s}^2$ up the ramp<br>4: 0.609<br><br>#37 on p. 153 |                               | Friction lab analysis questions<br><br>#39, 41, 54, 64 on pp. 153-155                                | Friction Worksheet<br><br>Prepare for quiz on friction<br><br>Bring a computer to class tomorrow! | Repeat (or finish) experiment performed in class today on your own computer<br><br>Make sure the x vs t, y vs t, x velocity vs t and y velocity vs t graphs are showing – any observations about the motion of the object? |                                 |