<table>
<thead>
<tr>
<th>Day</th>
<th>Objective</th>
<th>Activities</th>
<th>Materials</th>
<th>Follow Up/HW</th>
</tr>
</thead>
</table>
| Monday    | Be able to recognize the difference between the ordinary term work and the physics meaning of the term work. | Warm-up with work related line of questioning.  
(last Fri: Go over energy flow chart and discuss in depth the concept of work.  
Collectively go over 5A#1-4.  
)  
Watch “Elegant Universe” Video – take notes. | Notes, video.                                                                             | Add to notes a reflection of information from video. |
| Tuesday   | Identify several forms of energy and be able to apply work-kinetic energy theorem. | Define and distinguish all forms of energy  
Introduce KE equation.  
Explain work-kinetic energy theorem  
Demonstrate sample 5B, 5C | Notes. books, notes, calculator, and pen | 5B#1,3,5  
5C#4                                      |
| Wed/Thur  | To understand kinetic and potential energy with calculations. | Go over 5B and 5C homework questions.  
Finish video from Monday (~20 minutes)  
Go over the concept of potential energy and the many forms we will use in class.  
Work sample 5D in class and relate to conservation of energy. | Book, notes, video                           | 5D#1,3  
SR#1,4                                      |
| Friday    | Solve problems using conservation of mechanical energy.                  | Discuss conservation of energy both worldly and in physics.  
Demonstrate 5E  
Explain important role of friction  
Relate to construction of roller coasters. | Demo roller coaster, book, notes. | 5E#1,2,5  
SR#2,3                                      |