**SPH3U0 Unit 5: Energy Mr. Nestor Dec-Jan 2019/20**

Chapter 6: Energy is Transferred and Transformed by forces doing work **Pearson Physics Source 11**

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| Day & Date | Topic | Text Section  and Pages | Assignment |
| Day 1  Wed. Dec. 11 | **PhET Skate Park Simulation** |  |  |
| Day 2  Fri. Dec 13 | **Energy & Work Introduction**  Types of Energy & Transformations  Work- Positive, negative work  Conditions for No Work | 6.1 pgs 164-170 | Questions on Powerpoint note  Concept Check #2 pg 169  6.1 P#1-3 pg 167 |
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| Day 3  Mon. Dec 16 | **Kinetic Energy**  **Work-Energy Theorem** | 6.1 pg 170-174 | 6.1 P#1-3 pg 171  Concept Check #2 pg 172  6.1 #1-3 pg. 174 |
| Day 4  Tue. Dec 17 | **Gravitational Potential Energy** |  | 6.1 #1-3 pg 176 |
| Day 5  Wed. Dec 18 | **Conservation of Mechanical Energy** | 6.1 pg 175-178  6.1 pg 178-182 | 6.1 p#1-3 pg 180  Conservation of Energy Worksheet-Side 1  Conservation of Energy Worksheet–Side 2 |
| Day 6  Thu. Dec 19 | **Power & Efficiency**  **Energy Consumption**  **\* Energy Consumption of**  **electrical devices** | 6.2 pg 184-191 | 6.2 P#1-3 pg 185  6.2 P#1,2 pg 186  P#1-3 pg 188  P#1-3 pg 191 |
| Day 6  Fri. Dec 20 | **Fun Activity: Student Power** |  |  |
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| Day 7  Mon. Jan 06 | **Review for Quest** | 6.2 pg 186-192 | Review- Chapter 6 pgs. 204-205  #2,5,10,12,14,17,24ab,26,27,28,30 |
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| Day 8  Tue. Jan 07 | ***Quest-   Energy and Energy Conservation*** |  |  |
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