**General Science : Motion, Forces, & Energy Outline**

**Day** **Subject / Activity**

1 Measuring Motion

 **LAB : Measuring Distance & Displacement /** *Practice Problems*

2 Acceleration

 **LAB : Constant Force & Changing Mass /** *Practice Problems*

3 Motion & Force

 **LAB : The Coefficient Of Friction /** *Practice Problems*

4 **Chapter Test / Video :**

Newton’s 1st & 2nd Laws

5 **LAB : Toothpick Bridges**

 **LAB : Toothpick Bridges /** *Practice Problems*

6Gravity

 **LAB : Are You A Good Aim? /** *Practice Problems*

7 Newton’s 3rd Law

 **LAB : Designing An Egg-cellent Safety Device** or Conservation Of Momentum

8 **LAB : Designing An Egg-cellent Safety Device /** *Practice Problems*

 **Chapter Test / Assign Project**

9 Work, Power, & Machines

 **LAB : Comparing The Mechanical Advantage Of Levers /** *Practice Problems*

10 Simple Machines

 **LAB : Comparing Pulleys /** *Practice Problems*

11 What Is Energy?

 **LAB : How Much Work Can You Do?** / *Practice Problems*

12 Conservation Of Energy

 **LAB : The Energy Of A Pendulum /** *Practice Problems*

13 **Chapter Test / Project Presentations**