

## Physics Quarter 1

### Day 1: Introduction

- Grading Policy
- Safety Contract

### Day 2: Pa.1-7, Pa.9-10

- Books
- #1 Class Notes 1.1 (Physics, Scientific Method, Units, Conversions)
- #2 Lab 1 Paper Mass
- #3 Problem Set

### Day 3: Pa.1

- #4 Class Notes 1.2 (Accuracy, Precision, Significant Figures, Calculations)
- #5 Problem Set

### Day 4: Pa.1-7, Pa.9-10

- Quiz 1 (1.1-1.2)
- #6 Lab 2 Mass Measurement
- #7 Reading Notes Chapter 2

### Day 5: Pa.1-7, Pa.9-10, Pb.1-3

- #8 Class Notes 2.1 (Displacement, Velocity)
- Graphing Motion with Computers
- #9 Problem Set

### Day 6: Pa.1-7, Pa.9-10, Pb.1-3

- Quiz 2 (Significant Figures, Calculations, Lab Mass Measurement)
- #10 Lab 3 V2 Back and Forth Motion

### Day 7: Pa.1-7, Pa.9-10, Pb.1-3

- #11 Class Notes 2.2-2.3 (Acceleration, Freefall)
- #12 Lab 4 Picket Fence in Freefall

### Day 8: Pb.1-3

- #13 Practice Problems
- #14 Class Work Problem Set
- #15 Problem Set

### Day 9: Pb.1-3

- Quiz 3 (Velocity, Acceleration, Lab Back and Forth)
- #16 Class Notes 3.1-3.2 (Vector Quantities, Graphic, Calculations)
- #17 Problem Set

### Day 10: Pa.1-7, Pa.9-10, Pb.1-3

- #18 Lab 5 Prediction of Trajectories
- #19 Reading Notes Chapter 3

### Day 11: Pb.1-3

- #20 Class Notes 3.3 Projectile Motion
- #21 Problem Set

### Day 12: Pb.4-7

- Quiz 4 (Freefall, Picket Fence Lab, Vector Quantities)
- #22 Class Notes 4.1-4.3 (Newton's Laws)
- #23 Problem Set
- #24 Reading Notes Chapter 4

Day 13: Pa.1-7, Pa.9-10, Pb.4-7  
#25 Lab 6 Newton's 2<sup>nd</sup> Law  
#26 Problem Set

Day 14: Pa.1-7, Pa.9-10, Pb.8  
Quiz 5 (Free Body Diagrams, Newton's Laws)  
#27 Lab 7 Friction  
#28 Problem Set

Day 15: Pb.8  
#29 Class Notes Friction  
#30 Problem Set  
#31 Reading Notes Chapter 5

Day 16: Pc.1-3  
Quiz 6 (Free Body Diagrams, Newton's Laws, Newton's Laws Lab)  
#32 Class Notes Chapter 5 (Work, Energy, Power)  
#33 Problem Set

Day 17: Pa.1-7, Pa.9-10, Pc.1-3  
#34 Lab 8 Work/Energy and the Inclined Plane  
#35 Problem Set  
#36 Reading Notes Chapter 6

Day 18: Pc.5-6  
Quiz 7 (Newton's Laws, Friction, Lab Friction)  
#37 Class Notes 6.1-6.3 (Momentum, Collisions)  
#38 Problem Set  
Review Worksheets for Quarter 1 Test, Chapters 1-5

Day 19: Pc.5-6  
#39 Problem Set

Day 20: Quiz 8 (Review Quiz: All questions come from previous quizzes)  
#1 Problem Set

Day 21: Test Quarter 1

Pumpkin Drop: Pa.1-10, Pb.1-10, Pc.1-6