

Physics Quarter 2

Day 1: Pb.9-10

- #1 Review Problems (large group)
- #2 Class Notes: Rotational Motion
- #3 Problem Set

Day 2: Pb.9-10

- #4 Class Notes: Rotational Kinematics, Centripetal Acceleration, Circular Motion
- #5 Problem Set

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

- Quiz 1 (Work, Energy, Power, Lab Momentum, Rotational Motion)
- #6 Lab 9: Centripetal Force
- #7 Reading Notes 7.2-7.3

Day 4: Pc.1-2

- #8 Class Notes: Gravitational Force
- #9 Problem Set

Day 5: Pb.9-10

- Quiz 2 (Rotational Kinematics, Circular Motion, Centripetal Force and Acceleration)
- #10 Class Notes: Torque, Center of Gravity, Moment of Inertia, Rotational Equilibrium
- #11 Reading Notes 8.1 – 8.2

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

- #12 Lab 10: Center of Gravity and Equilibrium
- #13 Problem Set

Day 7: Pb.9-10, Pc.1-3

- Quiz 3 (Rotation, Circular Motion, Gravitational Force)
- #14 Class Notes: Rotational Dynamics / Energy / Momentum
- #15 Problem Set

Day 8: Pa.1-7, Pa.9-10, Pc.1-3

- #16 Lab 11: Pulleys
- #17 Reading Notes 8.3 – 8.4

Day 9: Pc.1-3

- Quiz 4 (Circular Motion, Centripetal Force, Torque, Rotational Dynamics)
- #18 Class Notes: Simple Machines
- #19 WS Simple Machine Problems

Day 10: Pa.1-7, Pa.9-10, Pc.1-3

- #20 Lab12: Inclined Plane
- #21 Problem Set

Day 11: Pc.1-4

Quiz 5 (Torque, Rotational Dynamics, Simple Machines)

#22 Class Notes: SHM, Hooke's Law, Pendulums

#23 Reading Notes 12.1 – 12.4

Day 12: Pa.1-7, Pa.9-10, Pc.1-4

#24 Lab 13: Pendulums

#25 Problem Set

Day 13: Pa.1-7, Pa.9-10, Pe.1-3

Quiz 6 (Rotational Dynamics, Simple Machines, Hooke's Law, Pendulums)

#26 Lab 14: Wave Pulses

#27 Reading Notes 13.1 – 13.3

Day 14: Pe.1-3

#28 Class Notes: Wave Properties

#29 Problem Set

Day 15: Pf.1-5

Quiz 7 (Simple Machines, Pendulums, Frequency, Wavelength, Wave Properties)

#30 Sound Films-30 Facts

#31 Class Notes Sound Intensity

#32 Problem Set

#33 Reading Notes 14.1 – 14.2

Day 16: Pa.1-7, Pa.9-10, Pf.6-9

#34 Class Notes: Resonance, Harmonics

#35 Lab 15: Speed of Sound

#36 Problem Set

Day 17: Pa.1-7, Pa.9-10, Pf.7-9

Quiz 8 (Waves Properties, Sound, Sound Intensity)

#37 Lab 16: Tones, Vowels and Telephones V-22

#38 Reading Notes 14.3 - 14.4

#39 Problem Set

Day 18: Hand out Review

Quiz 9 (Review Quiz – All Questions will come from previous quizzes)

Day 19: Bridge Breaking Day

Day 20: Test Semester 1

Bridge Construction: Pa.1-10, Pb.1, Pb.7