Unit 1

Vectors
Handout -> Vectors - Perpendicular Components

Force Problems: Type I, II and III

Text: C5 - Page 174, PP #17
Page 208, PP #24 and 25
Page 209, PP #36
Handout - Type II Force Problems (Simple)
Type II Force Problems (More Complex) x 2

Text: C5 - Page 191, PP 24, 25
Page 194, PP 27, 28

Handout - Type I, II and III

Boat Problems

Page 110 - #21, 22, 25, 27(a)
Page 117 - #23, 24, 29
#25 (Level 1)

Activity: Go With the Flow

Handouts (3) - Relative Velocity Problems

Collisions

Handout - 1D

Experiment 9.1- Conservation of Momentum

Handout: 2D Collisions

Handout: Elastic and Inelastic Collisions

Torque Problems

Handout - Torque

Textbook - Page 501 #31
Page 529 #27

Textbook - Page 501 #33 (a)
Page 529 #28 (a)

Handout - More Torque Problems

Unit 2

Circular Motion

Handout: Problems - Circular Motion

LEVEL 1 -> Packet (Banked and Unbanked Curves, Vertical Circular Motion)

Universal Gravitation

Experiment 8.1 - Kepler's Laws - Page 49

Chapter 12 - Page 580, PP#1-7

Investigation 12-A, Page 581

Handouts (3) - Kepler's Laws, Value of "g", Speed and Period of a Satellite

Simple Harmonic Motion

Text: Page 608, #1-4
Page 623, #23-27, 30

Text: Page 614, #5-8
Page 623, #28, 29

SHM - Pendulum Lab

Handout: SHM Problems

Projectiles

Text: Page 536, PP #1-8

Text: Page 549, PP #13
Page 570, Prob. #17, 19, 20 (omit graph)

Unit 3

Coulomb's Law

Textbook: Page 638, #4-5
Handout: Charge and Coulomb's Law

Electric Field Strength

Textbook: Page 646, #11-14
Textbook: Page 655, #20-24

Electric Potential Difference (Voltage)/Electric Current

Textbook: Page 696, #4-10

Ohm's Law

Textbook: Page 714, #21-24

Series Circuit

Textbook: Page 719, #27-31

Parallel Circuit

Textbook: Page 724, #32-35

Combination/Complex Circuits

Textbook: Page 728, #36-37
Textbook: Page 749, #33-34