

AP Physics 2010-2011 Final Project
Rubric

- ___ 1. Design Experiments (25)
 - Describe the purpose of an experiment or a problem to be investigated
 - Identify equipment needed and describe how it is to be used
 - Draw a diagram or provide a description of an experimental setup
 - Describe procedures to be used, including controls and measurements to be taken

- ___ 2. Observe and measure real phenomena (15)
 - Make relevant observations, and take measurements with a variety of instruments

- ___ 3. Analyze data (20)
 - Display data in graphical or tabular form
 - Fit lines and curves to data points in graphs
 - Perform calculations with data
 - Make extrapolations and interpolations from data

- ___ 4. Analyze errors (15)
 - Identify sources of error and how they propagate
 - Estimate magnitude and direction of errors
 - Determine significant digits
 - Identify ways to reduce error

- ___ 5. Communicate results (15)
 - Draw inferences and conclusions from experimental data
 - Suggest ways to improve experiment
 - Propose questions for further study

- ___ Overall Impression/Quality (15)

- ___ Difficulty/Ingenuity of Experimental Setup and Procedure (30)

Point Correlations to Letter Grades

A+	A	A-	B+	B	B-	C+	C	C-	D+	D	D-
25	24	22	21	20	19	18	16	15	14	13	12
15	14	13	13	12	12	11	10	9	9	8	7
20	19	18	17	16	15	14	13	12	11	10	9
15	14	13	13	12	12	11	10	9	9	8	7
15	14	13	13	12	12	11	10	9	9	8	7
15	14	13	13	12	12	11	10	9	9	8	7
30	28	26	25	24	23	22	20	18	17	16	14

Total = _____ / 135