LAB GRADING RUBRIC

	5	4	3	2
LISTENING TO INSTRUCTIONS	• Group needs no supervision after the initial lab instructions are given. • Each partner can articulate the goal of the lab and can explain the rationale for the proposed lab procedure. • Lab partners ask coherent and relevant questions that often lead to improvements in the lab.	• Group needs minor clarification after having moved to the lab area. • The group, as a whole, needs minor help articulating the goal of the lab and/or explaining the rationale for the lab procedure. • Lab partners sometimes ask coherent and relevant questions.	• Group needs major clarification after having moved to the lab area. • One or more partners can articulate the goal of the lab and explain the rationale for the lab procedure, but one or more partners is slightly confused. • Lab partners sometimes ask illogical or redundant questions.	• Group needs lab re-explained after having moved to the lab area. • One or more partners can articulate the goal of the lab and explain the rationale for the lab procedure, but one or more partners has major confusion. • Lab partners ask only illogical or redundant questions.
USE OF TIME AND CLEANUP	• Each partner works equally on the data collection and analysis. • There is no unnecessary socializing within or between groups. • When finished, each partner is working on physics until the bell rings. • All lab areas are clean and all equipment is replaced as directed so that it is ready for the next class lab. • All lab stools are put back under the lab desks.	• Some partners work harder than others on the lab. • There is minor unnecessary socializing within the group, which detracts from the lab experience. • When finished, each partner is working on physics until the bell rings. • Not all lab areas are clean or all equipment not replaced. • Some lab stools are put back under the lab desks.	• One partner does most of the work on the lab. • There is major socializing within the group or between groups, which detracts from the lab experience. • When finished, one or more partners stop working on physics before the bell rings. • Most lab areas are not clean and not all equipment is replaced. • Lab stools are not put back under the lab desks.	• One partner does all of the work on the lab. • There is major socializing within the group or between groups, which detracts from the lab experience. • When finished, all partners stop working on physics before the bell rings. • Not all lab areas are clean and all equipment is not replaced. • Lab stools are not put back under the lab desks.
LAB TECHNIQUES	• Data collection techniques by the group lead to exceptionally precise and accurate data. • Follows all directions for data collection. • Always implements techniques to avoid experimental error. • A graphing calculator is used whenever possible to minimize rounding errors.	• Data collection techniques lead to slightly inaccurate or imprecise data. • Follows most directions for data collection. • Makes an effort to avoid most experimental error. • A graphing calculator is used often to minimize rounding errors.	• Data collection techniques lead to considerably inaccurate or imprecise data. • Follows most directions for data collection. • Makes some effort to avoid experimental error. • A graphing calculator is used occasionally to minimize rounding errors.	• Data collection techniques lead to drastically inaccurate and imprecise data. • Ignores most directions for data collection. • Makes little effort to avoid experimental error. • A graphing calculator is used rarely to minimize rounding errors.
LAB REPORT	• Presentation is neat, sequential, and clear, using **only pencil** • Calculations, and lab analysis, and questions are all complete and detailed. • All measurements and results are presented with appropriate variables and units. • All data tables, graphs, drawings, etc. are completed.	• Presentation is mostly neat, sequential, and clear using only pencil • Calculations, and lab analysis, and questions are mostly complete with most details. • Most measurements and results are presented with appropriate variables and units. • Data tables, graphs, drawings, etc. are nearly completed.	• Presentation is somewhat neat, sequential, and clear. • Calculations, and lab analysis, and questions are somewhat complete with some details. • Some measurements and results are presented with appropriate variables and units. • Some data tables, graphs, drawings, etc. are incomplete.	• Presentation is not at all neat, sequential, and clear. • Calculations, and lab analysis, and questions are mostly incomplete with few details. • Few measurements and results are presented with appropriate variables and units. • Most data tables, graphs, drawings, etc. are incomplete.