

PHYSICS LAB REPORT RUBRIC

Lab reports should be typed according to the following guidelines. Reports may be submitted as hard copies to the inbox, or electronically to kpinkstaff@scappoose.k12.or.us. If reports must be hand-written, they will only be accepted if done extremely legibly.

Section	Emerging (1-2 pts)	Meeting (3 pts)	Exceeding (4 pts)	Honors
Background	<ul style="list-style-type: none"> Vague statement of purpose Incomplete description of relevant science concepts Formulas are inaccurate or missing 	<ul style="list-style-type: none"> Basic description of all relevant concepts Relevant formulas are cited, including units 	<ul style="list-style-type: none"> Clear description of all relevant concepts Relevant mathematical formulas are explained as a "guide to thinking" 	<ul style="list-style-type: none"> Relevant formulas are cited, including units, and an explanation is offered how it connects to the relevant concept.
Procedure	<ul style="list-style-type: none"> Vague or incomplete list of steps provided, making it impossible to replicate steps of the investigation 	<ul style="list-style-type: none"> A numbered list of steps is included, so that the experiment could be replicated exactly. Steps are appropriate to the purpose of the investigation. 	"Meeting" criteria, plus <ul style="list-style-type: none"> Diagrams showing how equipment is set up 	
Data	<ul style="list-style-type: none"> Necessary recorded data is missing Recorded data is lacking units, or is in incorrect units 	<ul style="list-style-type: none"> All recorded data is documented in a table, with correct units 	<ul style="list-style-type: none"> "Meeting" criteria in an organized and easy to read data table 	
Analysis	<ul style="list-style-type: none"> Calculations are erroneous, missing steps, or done using incorrect units Graph of data is inaccurately made or interpreted 	<ul style="list-style-type: none"> Calculations, if appropriate, have all work clearly shown, including correct units Graph of data, if appropriate, is accurately interpreted 	<ul style="list-style-type: none"> "Meeting" criteria done in an organized and easy to read manner <ul style="list-style-type: none"> Formulas & variables Values & units Calculated values 	<ul style="list-style-type: none"> Perform calculations using advanced mathematics, using correct significant figures
Conclusion	<ul style="list-style-type: none"> Results of the investigation are erroneous or unclear 	<ul style="list-style-type: none"> Results of investigation are clearly communicated 	"Meeting" criteria, plus: <ul style="list-style-type: none"> Role of error is adequately appraised (including % error) Reasonable recommendations for improvement are made Implications of the results of the experiment are discussed 	<ul style="list-style-type: none"> Connections to other physics concepts are explained

Peer grader #1: Name: _____ Color: _____ Total score: ___/20

Peer grader #2: Name: _____ Color: _____ Total score: ___/20

PHYSICS PROJECT REPORT RUBRIC

Project reports should be typed according to the following guidelines. Reports may be submitted as hard copies to the inbox, or electronically to kpinkstaff@scappoose.k12.or.us. If reports must be hand-written, they will only be accepted if done extremely legibly.

Section	Emerging (1-2 pts)	Meeting (3 pts)	Exceeding (4 pts)
Project Description	<ul style="list-style-type: none"> Vague statement of purpose Incomplete description of relevant science concepts Formulas are inaccurate or missing 	<ul style="list-style-type: none"> Clear statement of purpose Basic description of all relevant concepts Relevant formulas are cited, including units 	<ul style="list-style-type: none"> Clear statement of purpose Clear description of all relevant concepts Relevant formulas are cited, including units, and explained as a "guide to thinking"
Project Design	<ul style="list-style-type: none"> Design does not employ physics concepts towards the goal of the project 	<ul style="list-style-type: none"> Design employs physics concepts correctly to some aspects of the project 	<ul style="list-style-type: none"> Design employs physics concepts successfully to all aspects of the project
Design Development	<ul style="list-style-type: none"> Partial evidence of "meeting/exceeding" criteria 	<ul style="list-style-type: none"> Singular evidence of preliminary testing data, with relevant and detailed notes about performance and necessary improvements 	<ul style="list-style-type: none"> Evidence of multiple preliminary testing data, with relevant and detailed notes about performance and necessary improvements
Project Testing	<ul style="list-style-type: none"> Design performs to a below average standard 	<ul style="list-style-type: none"> Design performs to an average standard 	<ul style="list-style-type: none"> Design functions to a high standard
Conclusion	<ul style="list-style-type: none"> Partial assessment of own design or recommendations for its improvement 	<ul style="list-style-type: none"> Accurate and thorough assessment of own design, with reasonable recommendations for improvement 	"Meeting" criteria, plus: <ul style="list-style-type: none"> Accurate and thorough assessment of the overall strengths and weaknesses of all possible designs

Peer grader #1: Name: _____ Color: _____ Total score: ___/20

Peer grader #2: Name: _____ Color: _____ Total score: ___/20