

PHYS3080 Distance Ladder Project Marking Rubric

Each criterion will be marked out of 7 (14 for physics) giving a total out of 42

Grade	Project Contribution	Analysis of physics	Calculations	Structure & Presentation	Language & Grammar
7	Contributed several major ideas to group work	Concisely identifies nearly all relevant concepts, and applies them correctly.	Clearly laid out, concise & correct with minimal errors in calculations, significant figures and units, correct error bars given throughout report	Well structured report that is easy to follow, and has a summary which presents the major results	Grammar, syntax and spelling were of a very high standard: at most 4 errors
6	Significant contribution to group work but less strong than above	Identifies majority of relevant concepts, mostly applies them correctly.	Clear and correct with small number of errors; occasional minor error in sig. figs. & units	As above but flow of arguments is harder to follow	As above, but up to 6 errors
5	Contributed at least one major idea to group work	Calculates distance ladder, Hubble constant and universe age using correct method.	Mostly correct and easy to follow, but a number of errors; a few errors in sig. figs. & units. Error bars were usually estimated	Report has some jumps and gaps in arguments. The summary describes most results	Grammar, syntax and spelling were of high standard: at most 8 errors
4		Calculates distance ladder using correct method.	Some mistakes, but majority correct. Some difficult to follow. A few errors in sig. figs., units.	As above with some wider gaps in the discussion of the results	Grammar, syntax and spelling mostly sound; at most 10 errors
3	Some contribution to group work	Fails to identify a several important concepts, but applies some correctly.	More wrong answers than right answers, a number of errors in sig. figs. & units. Error bars not given	Report is difficult to follow and lacks a clear summary	Grammar, syntax and spelling were uneven; up to 12 errors
2		Fails to identify several important concepts.	Few correct answers, a number of inconsistencies in sig. figs. & units.	As above with even wider gaps in presentation of results	Grammar, syntax and spelling were mostly poor
1	Nearly no contribution to group work	Inappropriate application of concepts.	Few useful calculations and/or inappropriate use of sig. figs., units.	Inconsistent report that lacks a clear structure	Grammar, syntax & spelling all poor
0	No participation in the group work	No results or no report	No results or no report	Report without structure or no report	No English or no report