MCB422 Cricket_8: Counting to three

You will produce a delightful, insightful LucidChart (or similar) map-with-logic that constitutes a how-to for demonstrating that the process of translation proceeds by 'reading' nucleotides in groups of three. You're describing an amazing achievement on your part & theirs. The logic & presentation should be *beautiful*. Items marked with asterisk (*) should be textual on own page of .pdf

Requirement	Description	Expectation	Loss of points if
Task **10 points total**	A brief statement of the task	1 sentence	Imprecise, unclear, wordy
Underlying logic **15 points**	What is the overarching logic of these experiments? How is it that by combining mutations and observing the phenotypes of mutant phage you expect to convince the world that genetic 'words' have 3 'letters'?	A concise statement both *explaining* and demonstrating *understanding* of how this works	Messy, incoherent, poorly thought out, lacking refinement,
Victory condition **5 points**	"When we create a phage of genotype _____, we will observe _____, satisfying the underlying logic" (above)	Identify the 'target' of all this work	Wrong
The diagram **20 points**	ORDERLY, succinct, complete path. Include: NOTE boxes indicating WHY each step 'works' This is the 'correctness' score; there is also a 'quality' score in red below	If you have any sense at all, you will see how your 'training' in scenarios 1-6 put the skills in your hands to do this, including & succinctly summarizing each skill	scattered, omitting key steps, insights, reasons, explanations
Modifiers, concerns, optimization, certainty **15 points**	Raise and answer questions *like* "Why I would use > 3 candidates" "Should I use mutations that are close or far from each other?" "Why I would try to create > 1 triple"	You will think about factors that would influence success or failure (or worse, failure bc of bad design rather than 'code is not 3')	List incomplete, poorly explained, etc.
Required statement **15 points**	"I did not use internet resources other than those assigned, nor did I consult folks who have taken the course before, tutors, or other inappropriate resources"	Both names should appear after this statement if it is a joint submission.	Absent

20 points: Spelling, grammar, graphical flow, logical presentation
5 bonus points *available*: Insightfulness, spareness & clarity of graphical presentation; novelty of approach *if superior to norm*
Loss of 5 points last name(s) not in filename of submitted file, or not .pdf format