

First Paper Rubric

	Beginning	Developing	Accomplished	Exemplary	Score
Topic	Links to one or two papers provided (2)	Links to 3 or more papers provided (4)	Links to 3 or more papers with a key word or idea from the papers mentioned (6)	Links to 3 or more papers and a description of the common thread that links them together (8)	
Big picture	Mentions that the papers being reviewed are by the same author (2)	Identifies the author of the papers and their education (4)	Links the papers using a key word or phrase (6)	Clearly identifies the significance of the work (8)	
Writing	Choppy and overly repetitive, difficult to follow (4)	There is a rough outline to the paper but it does not flow well (8)	In general logically constructed but has a few rough spots (12)	Easy to read and good flow with a logical organization (16)	
Grammar and spelling	Do you know what spell check is (3)	Many typos or poor choices in wording (6)	Several typos or poor choices in wording (9)	Minimal typos (12)	
Background	Minimal explanation of important concepts not covered in courses (3)	Attempts to explain concepts not covered in courses but it is done in a very surface manner (6)	Partial explanations of concepts not covered in courses (9)	Provides sufficient discussion of concepts beyond the curriculum (12)	
Analysis and review	Gets lost in mundane details that are not significant to the topic (4)	A mix of unnecessary details and concise analysis (8)	Generally concise but presents some unnecessary detail (12)	Provides details where needed, but is appropriately concise (16)	
Chemistry	Your gen chem professor would be disappointed (4)	Significant problems with the chemistry presented (8)	A few minor mistakes in the discussion of chemistry (12)	Sound chemical principles and language used throughout (16)	
Summary	Mentions the authors name and little more than the paper titles (1)	Either too little or too much detail but hits some main points (2)	Partially complete but misses a main point (3)	Thorough and concise highlighting the main points (4)	
Figures	Figures included at the end of the paper without citation, captions or call outs (2)	Figures included in the paper with minimal citations, captions or call outs (4)	Figures well-placed in the paper with many citations, captions or call outs (6)	Good choice, placement and calling out of figures, proper figure captions and citations as needed (8)	
References	Few references properly formatted (1)	Several references missing details (2)	A few references missing minor details (3)	Proper formatting of all references (4)	
Literature usage	Only use 1-2 papers by Sanford (2)	Use 1-2 Sanford papers plus 1 or more papers by another author (4)	Use 3 or more Sanford papers (6)	Use >3 Sanford papers plus 1 or more papers by another author (8)	
Citations	Few and far between (2)	Several places are missing citations (4)	Most places that need citations have them (6)	Everything is cited appropriately and correctly (8)	

Second Paper Rubric

	Beginning	Developing	Accomplished	Exemplary	Score
Big picture	Mentions the significance of Sanford's work but not the proposed work (2)	Briefly attempts to justify the proposed work (4)	Good but not complete justification of the proposed work (6)	Clearly identifies the significance of the proposed work (8)	
Writing	Choppy and overly repetitive, difficult to follow (4)	There is a rough outline to the paper but it does not flow well (8)	In general logically constructed but has a few rough spots (12)	Easy to read and good flow with a logical organization (16)	
Grammar and spelling	Do you know what spell check is (3)	Many typos or poor choices in wording (6)	Several typos or poor choices in wording (9)	Minimal typos (12)	
Chemistry	Your gen chem professor would be disappointed (5)	Significant problems with the chemistry being presented (10)	A few minor mistakes in the discussion of the chemistry (15)	Sound chemical principles and language used consistently (20)	
Summary	Mentions the authors name and little more than the paper titles (1)	Either too little or too much detail but hits most of the main points (2)	Partially complete but misses a main point (3)	Thorough and concise highlighting the main points (4)	
Figures	Figures included at the end of the paper without citation, captions or call outs (2)	Figures included in the paper with minimal citations, captions or call outs (4)	Figures well-placed in the paper with many citations, captions or call outs (6)	Good choice, placement and calling out of figures, proper figure captions and citations as needed (8)	
References	Few references properly formatted (1)	Several references missing details (2)	A few references missing minor details (3)	Proper formatting of all references (4)	
Literature usage	Only use 1-2 papers by Sanford (2)	Use 1-2 Sanford papers plus 1 or more papers by another author (4)	Use 3 or more Sanford papers (6)	Use 3 or more Sanford papers plus 1 or more papers by another author (8)	
Citations	Few and far between (2)	Several places are missing citations (4)	Most places that need citations have them (6)	Everything is cited appropriately and correctly (8)	

These rubrics are designed to give you more feedback and allow you to self-assess your papers as they are being written. The score for each entry is listed in parentheses at the end of each description, and the maximum score per category can be found in the exemplary column. Although not listed in the rubric, missing work/sections will be awarded zero points.