

Module 10 Rubric for Students

The TAs will be using this grading rubric to grade your VoiceThread projects. The TAs will place a √ or X alongside each point and then give you a grade for each of the 8 different sections highlighted in gray. The composite of these 8 subsections will form the final total score.

CRITERIA	√ or X	SCORE	COMMENTS
Title		/ 2	
Informative			
Creative			
Attention grabbing			
Introduction		/ 7	
Valid research question			
Adequate background information given			
Hypotheses		/ 5	
Null and Alternative hypotheses given			
Stated hypotheses adequate for question posed			
Data gathered		/ 10	
Research methods easily understood			
Appropriate use of data presentation sources			
Data presentation adequate			
Data sources reliable			
Conclusion		/ 8	
Hypothesis accepted/rejected stated			
Logical stance based on evidence provided			
Main points of evidence summarized			
Alternative/new research leads presented			
References		/ 3	
Sufficient number used			
Reliable references used			
Correct formatting used			
Research effort and quality		/ 5	
Information provided is clear and concise			
Information provided is discussed scientifically			
Information provided presents a balanced argument			
Sufficient detail provided			
Evidence is critically evaluated and accurately presented			
Creativity and presentation		/ 10	
Spelling and grammatical errors			
Good use of media presentation resources			
Engaging			
Creative presentation			

It is therefore advisable to bear this grading rubric in mind and refer to it through all stages of your project development and implementation to make sure you have covered most of the relevant points listed below. Below is a more descriptive version of the version to help you get an idea of what the TAs will be looking for. A series of questions is posed alongside the criteria to help you get inside the TAs head and guide you through the project process.

CRITERIA	DESCRIPTION
Title	
Informative	Does the title tell the reader what the project is about?
Creative	Is the title creative and interesting?
Attention grabbing	Does the title stand out ahead of other group's titles?
Introduction	
Valid research question	Is the research question presented a real and good one? Does the research question make biological sense?
Adequate background information given	Is sufficient information presented to set the scene to tell a story? Does the information help the audience to see the relevance or importance of the topic?
Hypotheses	
Null and Alternative hypotheses given	Are the appropriate hypotheses stated in a clear fashion? Are the stated hypotheses correct?
Stated hypotheses adequate for question posed	Are the hypotheses correct for the scope of the study? Do the hypotheses address the specific requirements for the project proposed?
Data gathered	
Research methods easily understood	Is it easy for the audience to work out what methods were used? Could the audience replicate the methods based on the information given?
Appropriate use of data presentation sources	Is the data presented in an appropriate way or format? Is it all text? Are there sufficient use of graphs and tables? Are the presentation media actually appropriate for the information?
Data presentation adequate	Are the graphs, tables, photos etc. presented relevant and appropriate to the research question? Is the quantity and quality of the data appropriate to address the hypotheses? Are copyright agreements adhered to?
Data sources reliable	Where has the data come from? Are the sources reliable? Is all the information from biased media sources? Is there a good balance of media articles, reliable websites and primary information sources?

Conclusion

Hypothesis accepted/rejected stated	Is there a statement that addresses whether the hypotheses are accepted or rejected? If so, is the correct conclusion drawn?
Logical stance based on evidence provided	Is the conclusion backed up by the data presented? Does the conclusion make logical sense based on the research question and information gathered and presented? Are conclusions backed up by sufficient evidence and valid claims?
Main points of evidence summarized	Can the audience just view the conclusions and get a synopsis of what the study was about? Are the main findings clearly stated and presented in a concise and logical way?
Alternative/new research leads presented	Based on the research and the conclusions drawn, are additional research questions highlighted or proposed? Are the limitations of the study identified and if so are solutions proposed to overcome the limitations?

References

Sufficient number used	A minimum of 5 references is required – was an appropriate number of references used and listed?
Reliable references used	What is the reliability of the references used? Are they all popular media articles? Is there a balance of information sources and types?
Correct formatting used	Do the listed references conform to the guidelines presented?

Research effort and quality

Information provided is clear and concise	Is the information presented in a logical way? Is it easy for the audience to follow the chain of events and thought processes used? The audience should not have to do any detective work to extract the information.
Information provided is discussed scientifically	Of the information that is presented, is it discussed in an appropriate scientific manner? Are the correct steps of the scientific method followed?
Information provided presents a balanced argument	Is the information presented from a one-sided opinion? Do all the references come from the same standpoint? Are alternative viewpoints discussed?
Sufficient detail provided	Is sufficient detail provided so that the audience can come away with a complete and comprehensive story? The audience should not need to go and access additional information on the topic unless they are interested in extending their knowledge beyond the specific hypotheses stated.
Evidence is critically evaluated and accurately presented	Is the information merely just presented or is it evaluated critically from a scientific standpoint using the scientific

method? Is the evidence presented correctly in an unbiased manner?

Creativity and presentation

Spelling and grammatical errors

Are there spelling or grammatical mistakes in the presentation?

Good use of media presentation resources

Was the content presented in a creative and engaging way given the time and resources at hand?

Engaging

Did the presentation engage the audience and make them want to view more? Did the audience feel a suitable connection to the presentation to make them want to view the entire presentation?

Creative presentation

Did the presentation stand out from the others? Was there a creative use of media and resources? Will the audience remember the presentation the next day?