

**Martian Research Project
Initial Proposal**

Name: _____

Met Deadline: Y / N

Using a scale of

1 – Unacceptable 2 – Poor 3 – Fair 4 – Good 5 – Very good/excellent

_____ The proposed project is scientifically sound.

_____ The proposed project can be assessed using quantitative data.

_____ The research question is clearly stated.

_____ The proposed methods address the stated research question.

_____ The proposed methods clearly describe the data needed for the project.

_____ The proposed project is reasonable in scope for the given time.

_____ The proposed research is appropriately described with regard to significance.

_____ The proposal identifies some relevant associated sources (either in methods or significance sections)

_____ The material including in the proposal is correctly cited.

_____ The references are properly formatted.

_____ The proposal flows well and communicates effectively.

_____ Total/out of 55 pts _____ Average (out of 5) _____ Points (out of 10)

Name: _____

Paper	#1	#2	#3	#4	#5	#6
Paper is properly cited						
Paper is relevant to the proposed research topic.						
The summary is the appropriate length.						
Focuses on the scientific key points of the paper.						
The summary is clearly written.						
Total						

On a scale of 1-5 where
1 - Unacceptable, 2 - Poor, 3 - Fair, 4 - Good, and 5 - Very good/excellent

Average (out of 5): _____

Total points (out of 10): _____

Progress Report Rubric:

Name:

On a scale of 1-5 where

1 - Unacceptable, 2 - Poor, 3 - Fair, 4 - Good, and 5 - Very good/excellent

_____ research question/statement - single, focused sentence with your primary research question.

_____ brief description of your methods

_____ preliminary results (showing graphically/visually in a manner appropriate to your project and data collection)

_____ articulation of challenges/obstacles

_____ clear statement of goal for the coming week research.

Comments:

Poster Evaluation

Name: _____

Poster: 150 pts

_____ (15) Abstract – appropriate length, clearly written, describes all aspects of the research including question, methods, results, and conclusions.

_____ (10) Citations for research papers and figures (as appropriate)

_____ (5) Title

_____ (30) Overall visual impact of the poster: Layout, ease of reading, attention to detail
Does the information flow or is it hard to read? Do the colors/fonts assist the reader in understanding the science presented? Is the organization logical and obvious? Does the writing enhance the presentation - is it clear without spelling/grammar errors? Are the figures clear (i.e. not blurry)?

_____ (90) Content (Subdivided):

(45) Presentation of research:

- Are the methods clearly described in a manner that could be reproduced by another scientist? Are the methods appropriate to address the research question and scientifically rigorous?

-Are the data presented in an accurate fashion. Graphs and figures have appropriate titles, labels, figure captions, etc. The data are related to the methods described in the poster. Are the data you show relevant to the study? Did you include a location map if appropriate?

(45) Interpretation of research data: Discussion and conclusions

-Do your interpretations match the data?

-Does your poster demonstrate that you have a clear understanding of the subject?

- Did you come to your own conclusions based on the review of your research and relate it to other sources/studies (where appropriate)?

Poster presentation: 50 pts

_____ (30) A tour of the poster: 3-5 minute summary of your research project. Must include importance/context, results, and conclusions or summary.

_____ (10) Poise, enthusiasm, and professionalism.

_____ (10) Knowledgeable participation in discussion with audience and ability to answer questions.

_____ Total (out of 200)