

ASU MARS EDUCATION PROGRAM



MSIP Presentation/Final Report Outline

I. Introduction

The purpose of the introduction section is to introduce your project and science question.

The Introduction section should include the following information:

•	What	is	your	science	question?
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• Why is this question important and interesting?

• List any hypotheses you may have had of what the answer(s) might be to your science question.



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II. Background

The purpose of the background section is to provide background information about the specific features you are studying.

ne B	ackground section should include the following information:
•	List definitions, specific knowledge, and hypotheses from other scientists about your geologic feature(s) on Mars as it relates to your science question.
•	Show what your features <u>look like</u> on Mars in selected images, sketches, or pictures.
•	Show how your features are thought to form (the geologic process) on Mars in a sketch or image.

If the features you are studying are found on Earth, how are they thought to be formed?



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*Remember to cite (reference) any facts and images you include in your background information (where did that information come from) and include those sources in your bibliography.

III. Methods

The purpose of the methods section is to allow other scientists to repeat your experiment and to show the

•	of your data. The methods section includes the step-by-step process detailing exactly what you lect your data.
	nods section can include the following: ome of this information may not apply to all projects):
• W	hat specific spacecraft and camera did you use to collect data for your research?
	That geographic region(s) and/or geologic features did you focus on during the process of ollecting your data?
	That website(s) did you use to gather your data and <u>how</u> did you use it (them)? Be specific as to ow you used the web site.
	ist the specific type of information you planned to record from each image you observed, and hy?

What measurements did you obtain, how and why?





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IV. Data

The purpose of the data section is to list and display the data you collected and observations of that data. It does not include interpretations of those data.

The Data section may include:

How many THEMIS images did you collect?



• Show good examples of the features you observed and/or measured from the data you collected.

- Display your data:
 - o IN A TABLE

o ON GRAPHS

o ON A MAP





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V. Discussion

The purpose of the discussion section is to re-show the data you collected and discuss and explain your

erpi	retations of the observations you made as it relates to your science question.
e D	siscussion section should include the following information:
•	Re-show your data table(s) and discuss what the data means as it relates to your science question.
•	Re-show your graphs and discuss the meaning of each as they relate to your science question.
•	Re-show your data map and discuss what it may mean as it relates to your science question.
•	Discuss the potential errors with the data you collected
	 Could there be inaccuracies? If so, please explain.
	o Could there be misinterpretations? If so, please explain.



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VI. Conclusions

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ie C	onclusion section should include the following information:
•	Restate and <u>answer</u> your science question based on your interpretations from the discussion section.
•	Restate and support or refute any hypotheses based on your interpretations from the discussion section.
•	What future work could be done to expand your research project?
•	Who can you acknowledge for helping you complete your science project?

VI. References



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The purpose of the references section is to support all sources of information used to create your science report. It includes:

• A list of books, websites, people and equipment used to obtain your information.