

MSIP PROPOSAL DISCUSSION and DATA GATHERING

Minimum materials required:

- MSIP Proposal Outline: 1 per student (students should already have this handout)
- 1 Internet-connected computer per team

MSIP Proposal Outline Discussion

Students should discuss each section of the *MSIP Proposal Outline* that they finished for homework to ensure that everyone is on the same page with their project. They should share their ideas for each section and come to a consensus on what information is important to include. Each member of the research team should have the same information included in each section of the proposal. In the case of the background section, some information may still need to be researched.

- Small Research Teams: Students should discuss and debate the final information to be included in each section of the proposal.

Data Gathering

When students finish discussing their *MSIP Proposal Outline*, they should review each others data table (*THEMIS Image Data Gathering* table). Students should make sure the data each student has entered on the data table is consistent. Each individual should have their own data table.

Once students finish checking their data tables, they will get back into their teams to continue collecting additional data by going to the appropriate THEMIS website. Prior to collecting their data, the team needs to decide the procedure of how to divide up the data that is available on the website.

- Small Research Teams: Students should discuss and debate among the members how they should divide up the images available to maximize the number of different data points their team will collect. It would be very useful to have students discuss this while looking at the website they will be using to collect their data together. For example, some team members could make observations of the images available on page 1 of the image gallery while the others look at page 2, and so on. Allow students to come up with their own decisions as to how to divide up their efforts.

HOMEWORK RECOMMENDATION:

1. Continue data gathering for homework as well as throughout the project. The more data collected, the more confident students will be when formulating conclusions and answering their question.

2. Students can also work on completing/researching their "assigned question/portion" (if applicable) of the background section of their proposal, which will be needed information for their final reports.