MSIP Planning Guide – Distance Learning Teams
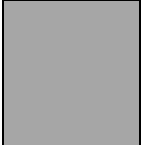## Traditional Schedule Version

Day 1	Day 2	Day 3	Day 4	Day 5
Mars Image Analysis Engage (A-C) Explore (D)	**Mars Image Analysis** Explore (K-L) Explain (K-L)	**Mars Image Analysis** Elaborate (M-N)	**Mars Image Analysis** Elaborate (P-R)	**Question Mars** Engage (A-B) Explore (B) Explain (C)

Day 6	Day 7	Day 8	Day 9	Day 10
Question Mars Elaborate (D) Introduce JMARS	**Question Mars** Elaborate (E) Evaluate (F)	**Question Mars** Flex day	**Proposal Development** Class Background Research.	**Proposal Development** Team discusses data collection procedures for experimental design section (use JMARS).

Day 11	Day 12	Day 13	Day 14	Day 15
Proposal Development Team discusses and makes initial decisions on types of graphs to use for results.	**Proposal Development** Create Proposal using smaller teams for specific topics within the Proposal.	**Proposal Development** Create Proposal using smaller teams for specific topics within the Proposal.	**Proposal Development** Combine information into one Proposal and check for clarity, completeness, and cohesiveness.	**Proposal Development** Proposal flex day.

Day 16	Day 17	Day 18	Day 19	Day 20
Proposal Presentation Distance Learning Teams present Proposal for feedback to an MSIP Coordinator.	**Proposal Feedback** Team review and implementation of Proposal feedback.	**Data Collection** JMARS data collection to answer research question.	**Data Collection** JMARS data collection to answer research question. *Request JMARS Targeting Link from MSIP Coordinator.*	**Data Collection** JMARS data collection to answer research question.

Day 21	Day 22	Day 23	Day 24	Day 25
Data Collection JMARS data collection to answer research question.	**Targeting** Use targeting link and information sent by MSIP coordinator to select a spot on Mars to photograph with the THEMIS camera.	**Graphing the Data** Group discussion of the types of graphs needed to answer the question and other interesting graphs based on data.	**Graphing the Data** Graph the data using the JMARS data collected and the types of graphs decided upon by the team.	**Drawing Conclusions** Distribute graphs using differentiation. Students make observations of data and interpret meaning.

Day 26	Day 27 (Option 1)	Day 28 (Option 1)	Day 29 (Option 1)	Day 30 (Option 1)
Drawing Conclusions Student vote on best explanation for each graph to be used in Final Presentation or Final Written Report.	**Developing the Final Presentation** Create Final Presentation with smaller teams for specific topics.	**Developing the Final Presentation** Create Final Presentation with smaller teams for specific topics.	**Developing the Final Presentation** Combine info and check for clarity, completeness, and cohesiveness.	**Final Presentation** Data Collection and Final Presentation flex day

Day 31 (Option 1)	Day 27 (Option 2)	Day 28 (Option 2)	Day 29 (option 2)	Day 30 (Option 2)
Final Presentation Distance Learning Teams presents Final Presentation to a Mars Scientist for Peer Review. At completion, MSIP Coordinator will then email poster with THEMIS image for distribution to students.	**Final Written Report Development** Create Final Written Report using smaller teams for specific topics within the Final Report Requirements.	**Final Written Report Development** Create Final Written Report using smaller teams for specific topics within the Final Report Requirements.	**Final Written Report Development** Create Final Written Report using smaller teams for specific topics within the Final Report Requirements.	**Final Written Report Submission** Send Final Report to MSIP Coordinator. MSIP Coordinator will then email poster with THEMIS image for distribution to students.

Indicates a possible computer lab day based on teacher instructional strategies and school availability.

Anticipated computer lab days.

Could be assigned as homework.