## MSIP Planning Guide – Independent Research

Traditional Schedule Version Day 2 Day 1 Day 3 Day 4 Day 5 Question Mars Mars Image Analysis Mars Image Analysis Mars Image Analysis Mars Image Analysis Engage (A-B) Engage (A-C) Explore (K-L) Elaborate (M-N) Elaborate (P-R) Explore (B) Explore (D) Explain (K-L) Explain (C) Day 6 Day 7 Day 8 Day 9 Day 10 **Data Collection Data Collection Question Mars Question Mars Question Mars** JMARS data collection Elaborate (D: Elaborate (E) Flex day JMARS data collection to answer research Introduce JMARS) Evaluate (F) to answer research question. question. Day 11 Day 12 Day 13 Day 14 Day 15 **Data Collection Data Collection Graphing the Data Graphing the Data** Drawing JMARS data collection JMARS data collection Group discussion of Graph the data using **Conclusions** the types of graphs Distribute graphs to answer research to answer research the JMARS data using differentiation. question. question. needed to answer the collected and the question and other types of graphs Make observations of decided upon by the the data and interpret graphs that can be used based on data meaning. Collect and team. collected. organize explanations based on type of graph.

Day 16

Drawing
Conclusions
Student vote on the best explanation for each graph to be used in Final Written
Report.

Final Written
Report Development
Create Final Written
Report using smaller
teams for specific
topics within the Final
Report Requirements.

Day 17

Final Written
Report Development
Create Final Written
Report using smaller
teams for specific
topics within the Final
Presentation.

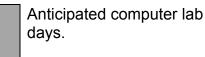
Day 18

Day 19

Final Written Report Submission Combine information to create Final Written Report. Send Final Report to MSIP Coordinator along with

data requested by the MSIP Coordinator regarding MSIP team.

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





Could be assigned as homework.