








MSIP Planning Guide – Independent Research

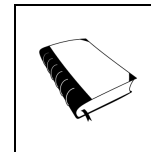
Block Schedule Version

Day 1	Day 2	Day 3	Day 4	Day 5
Mars Image Analysis Engage (A-C) Explore (D, K-L)	Mars Image Analysis Explain (K-L) Elaborate (M-N)	Mars Image Analysis Elaborate (P-R)	Question Mars Engage (A-B) Explore (B) Explain (C)	Question Mars Elaborate (D) Introduce JMARS Elaborate (E)
Day 6	Day 7	Day 8	Day 9	Day 10
Question Mars Evaluate (F) Flex time	Data Collection  JMARS data collection to answer research question.	Data Collection  JMARS data collection to answer research question.	Data Collection  JMARS data collection to answer research question.	Graphing the Data Group discussion of the types of graphs needed to answer the question and other graphs that can be used based on data collected. Graph the data using the JMARS data collected and the types of graphs decided upon by the team.

Day 11	Day 12	Day 13
<p>Drawing Conclusions Distribute graphs using differentiation. Make observations of the data and interpret meaning. Collect and organize explanations based on type of graph. Students vote on the best explanation for each graph to be used in Final Written Report.</p>	<p>Final Written Report Development  Create Final Written Report using smaller teams for specific topics within the Final Report Requirements.</p>	<p>Final Written Report Development and 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.</p>

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

 Anticipated computer lab days.

 Could be assigned as homework.