Scientific Inquiry Using Scientific Practices		Six Months	Four Months	Two Months
STEP 1 Select a Topic	Choose a topic that you and your team would like to investigate	Week 1	Week 1	Week 1
STEP 2 Identify a Problem	Choose a problem that faces your community and conforms to the topic you've chosen. Be sure to identify how exploring this problem will help your community, and what parts of the community it will directly impact.	Weeks 2-3	Weeks 2-3	Week 2
STEP 3 Research the Problem	Using at least ten reputable sources, research the problem you have chosen so that you have background information before you begin your investigation.	Weeks 4-7	Weeks 4-5	Week 3
STEP 4 Hypothesis	Make a prediction about outcome of your investigation that can be tested through experimentation.	Week 8	Week 6	Week 4
STEP 5 Design and Conduct an Experiment	Create an experiment to test your hypothesis. Be prepared to conduct additional experiments if your initial findings are inconclusive.	Weeks 9-18	Weeks 7-12	Weeks 5-6
STEP 6 Collect and Analyze Data	Collect the data produced by your experiment(s) and figure out what those data tell you about your hypothesis.	Weeks 19-21	Weeks 13-14	Week 7
STEP 7 Construct a Conclusion	Based on the experimental data write a conclusion that states whether your hypothesis was true or false.	Weeks 22-24	Weeks 15-16	Week 8