***What questions about the Moon do you want to explore? How will you do that?***

• After making a few observations of the Moon, generate some questions about the Moon that you might explore.

• Decide with your group members on one question about the Moon that you could explore together during the next few days by looking at the Moon in the sky rather than by reading books or searching the Internet.

• Design your exploration. Who will do what? When? Where? How? Why?

• Record your question and your experimental design for exploring this question

• Share your question and your plans with the whole group as directed by your instructor.

• One way to share your question and plans is to write them on a large white board and present them to the class. In preparing the presentation, each member of the group should rehearse a part of the presentation to help all members of the group address the whole group with confidence.

• At the beginning of each class session, share with your group members the observations you have made and enjoy seeing theirs. Talk with one another about how your findings inform your question and revise the question, the procedures, and/or the findings as needed.

• During and near the end of this observation period, create with your group members progress reports:

* What tentative claims, if any, can you make now?
* What evidence, if any, can you present to support those claims?
* What rationale explains how the evidence supports those claims?
* What still needs to be explored?
* What have you learned about learning from this exploration so far?