Activity – Generating Questions:
All Grades – One Class Period

Allow students within small groups to generate a list of three to five driving questions inspired by their interests and current class science topics that they would like to explore during their videoconference.

Depending upon how much time you have, they may wish to consult books, magazines, or the Internet for background information that will help them generate their questions.

Background
Internet suggestions:

1.) Go to the “What Are Astronomers Doing?” website at: http://mcdonaldobservatory.org/research

Students may research the astronomers using McDonald Observatory, and write about whom they would like to meet and why. If this astronomer is observing this week they might include something about the project the astronomer is doing.

2.) Go to Frequently Asked Questions (FAQ) at: http://mcdonaldobservatory.org/research/resources/faqs/

Students may look for the question closest to their personal questions about galaxies, astronomy in general, or McDonald Observatory. They may also pose their own new question.

3.) Go to the NASA galaxies astrophysics website at: http://science.nasa.gov/astrophysics/focus-areas/what-are-galaxies/

Students may look here for specific science questions about galaxies that they are interested in.

Before the conference, you should make your post-conference assignment clear to the students. The information they gather during their conference is material they will use in the post-conference activity. For example, you may offer a variety of post-conference assignments: a poster, radio commercial, PowerPoint presentation, or a story documenting what they learned. For specific post-activity suggestions see the “Galaxies – Make a Scale Model” post-conference activities link.