# Essential Question

How might you describe the solar system to a friend who knows nothing about the relative sizes of the sun and planets or the distances between them?

# Essential Question

How will what you learned today about the planet Mars and about making observations help you design a successful mission for your Mars Rover?

# Essential Question

Which of the informational text features you learned about today was the most helpful to you in researching information for your Mars Rover project?

# Essential Question

How do I know when I've found important information in my reading?

# Essential Question

Why is it important to ask valid (good) scientific questions?

# Essential Question

Why is it important to write your scientific question so you can answer it using data?

# Essential Question

Why are taking accurate measurements critical to your Mars rover mission?

# Essential Question

How did you select the place for your Mars rover mission? Describe how the site you selected meets the needs of your question?

# Essential Question

What attributes will my Mars Rover need to:

❶get to Mars,

❷carry out its mission and,

❸send the data back to Earth?

# Essential Question

Why is the method you chose for landing your Rover on Mars the best one for your mission?

# Essential Question

Which step of the Engineering Design Process was the most difficult for your team? What made this step so challenging for you?

# Essential Question

How will creating a prototype of your rover help you prepare for the Mars Rover Celebration?

# Essential Question

How does assigning a different job to each member of your team (designer, scientist, project manager, engineer) help you to complete your Mars rover mission?

# Essential Question

What are the key elements of an effective presentation that your group should keep in mind when writing your Mars Rover skit?

# Essential Question

How did listening to the other teams' presentations help you to improve your own Mars rover skit? Be specific.