

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 do you think the activities you completed on making observations and on researching Mars will 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 form a valid (reasonable or sensible) and specific scientific question before conducting your research?

Essential Question

How does coming up with a plausible solution for your scientific question help you design the measurements you need for your Mars Rover mission?

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 your selected site meets the needs of your question.

Essential Question

What attributes will my Mars Rover need to:

- ➊ get to Mars,
- ➋ carry out its mission and,
- ➌ send 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.