

Engineering Context-Setting Activity

Science and Engineering Question Cards

Copy a set of cards for each group of 4 youth. Cut out each deck, shuffle it, and hold the deck together using paper clips, rubber bands, or small bags. Refer to an uncut copy of these pages as an “answer key” to identify science and engineering questions and question pairs.

<p>Science Questions</p>	<p>Engineering Questions</p>
<p>Is there water on Mars?</p>	<p>What tools can we use to search for water on Mars?</p>

What is the shape of the surface of Mars?	What tools can help investigate the shape of a planet's surface?
What is underneath the surface of Mars?	How deep can a remote-controlled device dig into Mars, to take a sample?
What minerals are on Mars?	What kind of device can help identify minerals on Mars?

<p>What do the minerals on Mars tell us about its history?</p>	<p>What tools can help investigate how a mineral formed?</p>
<p>What do the landforms on Mars tell us about its history?</p>	<p>What tools can help investigate how a landform was shaped?</p>
<p>What information do we want to collect on Mars and send back to Earth?</p>	<p>How can we collect information on Mars and send it back to Earth?</p>

