

Week 2: Investigating Mars

LESSON 5: SELECTING TEAM'S ROVER MISSION
GRADE LEVEL: 3-5
LENGTH: 2 DAYS

TEKS/SES:

Science

Grade 3

3.2.A 3.4.A

Grade 4

4.2.A 4.4.A

Grade 5

5.2.B 5.4.A

Full text versions of these TEKS are available at <http://ritter.tea.state.tx.us/rules/tac/chapter112/ch112a.html>

Language Arts

Grade 3

3.4 3.20 3.20.A.i 3.20.C 3.25.A 3.29.A 3.31

Grade 4

4.2. 4.2.A 4.18 4.18.A.i 4.18.C 4.23.A 4.27.A 4.29

Grade 5

5.2. 5.2.A 5.18 5.18.A.i 5.18.C 5.23.A 5.27.A 5.29

Full text versions of these TEKS are available at <http://ritter.tea.state.tx.us/rules/tac/chapter110/ch110a.html>

NATIONAL STANDARDS

Science

Science as Inquiry

- Abilities necessary to do scientific inquiry
- Understanding about scientific inquiry

Science and Technology

- Abilities of technological design
- Understanding about science and technology

History and Nature of Science

- Science as human endeavor
- Nature of science

- History of science

Math

Data Analysis and Probability

- **Formulate questions that can be addressed with data and collect, organize, and display relevant data to answer them**

Language Arts

- NL-ENG.K-12.4 COMMUNICATION SKILLS Students adjust their use of spoken, written, and visual language (e.g., conventions, style, vocabulary) to communicate effectively with a variety of audiences and for different purposes.
- NL-ENG.K-12.5 COMMUNICATION STRATEGIES Students employ a wide range of strategies as they write and use different writing process elements appropriately to communicate with different audiences for a variety of purposes.
- NL-ENG.K-12.7 EVALUATING DATA Students conduct research on issues and interests by generating ideas and questions, and by posing problems. They gather, evaluate, and synthesize data from a variety of sources (e.g., print and nonprint texts, artifacts, people) to communicate their discoveries in ways that suit their purpose and audience.
- NL-ENG.K-12.12 APPLYING LANGUAGE SKILLS Students use spoken, written, and visual language to accomplish their own purposes (e.g., for learning, enjoyment, persuasion, and the exchange of information).