

Week 3: Designing the Mission

LESSON 6: MISSION MEASUREMENTS
GRADE LEVEL: 6-8
LENGTH: 2 DAYS

TEKS/SES:

Science

Grade 6

6.2.A 6.4.A

Grade 7

7.2.A 7.4.A

Grade 8

8.2.A 8.4.A

Full text versions of these TEKS are available at <http://ritter.tea.state.tx.us/rules/tac/chapter112/ch112b.html>

Language Arts

Grade 6

6.2 6.2.A 6.17 6.17.C 6.22.A 6.28

Grade 7

7.2 7.2.A 7.17 7.22.A 7.28

Grade 8

8.2 8.2.A 8.17 8.22.A 8.28

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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).