

AMAZING BUGS®

Butterfly for Second-grade Classrooms



Performance Standards Summary

Activities in the Amazing Bugs Butterfly kit help students achieve the following performance standards at the second-grade level.

SCIENCE

Scientific Thinking and Practice

- Conduct simple investigations.
- Use tools to provide information not directly available through only the senses.
- Make predictions based on observed patterns as opposed to random guessing. Follow simple instructions for a scientific investigation.
- Understand that in doing science it is often helpful to work with a team and share findings.
- Make accurate observations and communicate findings about investigations.

- Record observations on simple charts or diagrams.

Life Science

- Observe that diversity exists among individuals within a population.
- Explain that stages of the life cycle are different for different animals.
- Observe how the environment influences characteristics of living things.

MATH

Number and Operations

- Apply counting skills and number sense through meaningful activities.
 - Find the sum of two whole numbers up to three digits long.

- Develop common referents to make comparisons and estimates of length, volume, weight, area, and time.

Algebra

- Describe quantitative change.

Data Analysis and Probability

Measurement

- Identify a unit of measure (e.g., nearest inch) and repeat that unit comparing it to the item being measured.
- Measure and compare common objects using standard and non-standard units of length.
- Identify and use time intervals.

- Collect numerical data systematically.
- Represent data by using concrete objects, pictures, tables, numbers, tallies, and graphs (e.g., pictographs).
- Pose questions about students' selves and their surrounding; gather data by interviewing, surveying, and making observations to answer the questions posed.
- Identify patterns and explain the relations of the units in the pattern.

MATH *continued*

- Describe and interpret data by drawing conclusions and making conjectures based on the data collected.
- Recognize appropriate conclusions generated from the data collected.
- Recognize inappropriate descriptions of the data set.
- Investigate whether outcomes of a simple event are equally likely to occur.

LANGUAGE ARTS

Reading and Listening for Comprehension

- Independently recall facts and details in text.
- Follow simple written and oral instructions.
- Increase vocabulary through reading, listening, interacting.
- Select an appropriate format to locate, gather, access record, organize, and present information.
- Locate information using diagrams, charts, and graphs.

Writing and Speaking for Expression

- Explain and describe new concepts and information in own words.
- Identify and select an appropriate method to communicate, relevant to the audience and purpose.

Sources: (1) *Reference Guide: New Mexico Content Standards, Benchmarks, and Performance Standards, Grades K–8*, Center for the Education and Study of Diverse Populations at New Mexico Highlands University, 2005. (2) “2nd GRADE Standards Alignment MAP (SAM): Standards Associated with the SBPR topic lines,” Albuquerque Public Schools, 2007.