

MONTANA ALIGNMENT FOR NIH SUPPLEMENT OPEN WIDE AND TREK INSIDE

OPEN WIDE AND TREK INSIDE		
Montana Benchmarks: Science – End of Grade 4		
Lesson	Standard	Benchmark
1, 2, 3	1.1	Develop the abilities necessary to safely conduct scientific inquiry, including (a step-by-step sequence is not implied): (a) asking questions about objects, events, and organisms in the environment, (b) planning and conducting simple investigations.
2, 3	1.2	Select and use appropriate tools including technology to make measurements (including metric units) and represent results of basic scientific investigations.
1, 2, 3	1.3	Use data to describe and communicate the results of scientific investigations.
3, 5	1.4	Use models that illustrate simple concepts and compare those models to the actual phenomenon.
1, 2, 3, 4, 5	1.6	Identify how observations of nature form an essential base of knowledge among the Montana American Indians.
1, 2, 3, 4	2.2	Examine, measure, describe, compare and classify objects in terms of common physical properties.
1, 2, 5	2.5	Identify that the position of an object can be described by its location relative to another object and its motions described, and measured by external forces action upon it.
1, 2, 4	3.1	Identify that plants and animals have structures and systems that serve different functions for growth, survival, and reproduction.
2, 3, 4	5.1	Describe and discuss examples of how people use science and technology.
2	5.2	Describe a scientific or technological innovation that impacts communities, cultures, and societies.
All lessons	5.3	Simulate scientific collaboration by sharing and communicating ideas to identify and describe problems.
1, 2, 3, 4	6.3	Describe science as a human endeavor and an ongoing process.
Montana DRAFT Grade Level Expectations (January, 2007): Science – Grades 1 & 2		
Grade 1		
Lesson	Standard	GLE
1, 2, 3	1	With step-by-step directions, does a simple investigation.
2, 3	2.A	Demonstrates knowledge of matter: Selects and uses simple tools for simple measurement of solids, liquids, and gases.
1, 2, 3	5	Identifies and explains technologies used in school.
Grade 2		
1, 2, 3	1	Completes a simple investigation and communicates results.
1, 2, 3, 4	5	Provides examples of how people use various types of technologies.

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Montana Grade Level Expectations: Mathematics – Grade 3		
Lesson	Standard	GLE
2, 3	1	Selects and uses appropriate problem-solving strategies (e.g., estimate, look for a pattern, simplify the problem) and technologies (e.g., paper and pencil, calculator) in many contexts.
1, 2, 3, 5	2	Communicates solutions to problems in a variety of ways (e.g. concrete, pictorial, or graphical).
2	3	Uses addition, subtraction and multiplication of whole numbers to estimate and compute, and to determine whether results are accurate.
1, 2	5	Identifies two- and three-dimensional shapes.
2, 3	6	Identifies measurable attributes of objects (e.g., length, time) and selects and uses appropriate tools to measure them.
All lessons	7	Draws appropriate conclusions (makes interpretations) using data.
6	8	Identifies a variety of patterns and states the next term in a pattern.
Montana Grade Level Expectations: Reading – Grade 3		
Lesson	Standard	GLE
All lessons	1	Makes predictions using new materials and previous information/experience.
All lessons	2	Identifies basic main ideas and supporting details.
All lessons	3	Decodes unknown words in grade-level text and using a variety of strategies.
All lessons	5	Uses a substantial reading vocabulary appropriate to grade-level.
All lessons	8	Identifies a variety of purposes for reading and selects appropriate print and non-print materials.
1, 3, 4, 6	11	Compares and integrates information from two sources.
Montana Benchmarks: Writing – End of Grade 4		
Lesson	Standard	Benchmark
All lessons	1.2	Develop a main idea through relevant supporting details.
All lessons	1.3	Demonstrate awareness of personal voice, sentence structure, and word choice.
All lessons	1.4	Apply conventions of standard written English (e.g., spelling, punctuation, usage) appropriate for grade level and purpose.
All lessons	2.1	Plan writing by generating and organizing ideas and by considering purpose and audience.
All lessons	2.5	Share/publish a legible final product.
All lessons	4.1	Identify the purpose for their writing and write appropriately.

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All lessons	4.2	Choose audiences (e.g., self, peers, adults) appropriate to purposes and topics.
All lessons	4.3	Experience writing in various genres (e.g., descriptive writing).
All lessons	5.2	Write using characteristics of different forms.
All lessons	6.1	Pose questions or identify problems.
All lessons	6.2	Use selected technologies and information sources.
All lessons	6.3	Identify explanations or solutions, and draw a conclusion based on the information.
All lessons	6.4	Share information in appropriate ways for intended audiences.
Montana Benchmarks: Health Enhancement – End of Grade 4		
Lesson	Standard	Benchmark
3, 4, 5, 6	1.1	Describe relationships between personal health behaviors and individual well-being.
1, 2	1.2	Describe the basic structure and function of major human body systems, emphasizing growth and development.
2, 3, 4, 5	1.3	Identify common health problems (e.g., eyes, ears, teeth, skin) that should be detected and treated early.
4, 5	1.4	Identify personal health-enhancing strategies that encompass substance abuse, nutrition, exercise, sexual activity, injury/disease prevention, including HIV/AIDS prevention and stress management.
3, 4, 5	5.1	Identify problem-solving processes specific to health-related issues.
1, 2, 4, 5	5.2	Access valid health information and resources.
3, 4, 5	5.3	Explain how basic health information and resources are used in setting goals and decision-making.
4	5.4	Set personal health goals and record progress toward achievement.
3, 4, 5, 6	5.5	Predict results of positive health decisions.
All lessons	6.2	Demonstrate ways to communicate care, consideration, and respect of self and others.
All lessons	6.5	Demonstrate active listening skills.
All lessons	7.1	Interact with friends and others through participation.
4, 5, 6	7.5	Demonstrate strategies to improve or maintain personal and family health.