

WASHINGTON, D.C. ALIGNMENT FOR NIH SUPPLEMENT OPEN WIDE AND TREK INSIDE

OPEN WIDE AND TREK INSIDE		
Washington, D.C. Science Learning Standards: Grades 1 & 2		
Grade 1		
Lesson	Standard	Description
1, 2, 3, 4, 5	1.1.1	Observe, describe, draw, and sort objects as a way of isolating and categorizing some of their properties.
1, 2, 3, 5	1.1.2	Investigate and make observations to seek answers to questions.
3	1.1.3	Recognize and demonstrate what people can learn about plants and animals by observing them closely over a period of time.
3	1.1.4	Use tools, such as rulers and magnifiers, to investigate the world and make observations.
3	1.1.6	Demonstrate that magnifiers help people see small features of objects.
1, 2, 3, 5	1.1.7	Describe and compare objects in terms of number, shape, texture, size, mass, color, and motion.
1, 2, 3, 5	1.1.8	Write brief informational descriptions of a real object, person, place, or event using information from observations.
4, 5	1.4.1	Explain that most living things need food, water, and air.
1, 4, 5	1.4.4	Recognize that animals (including humans) and plants are living things that grow, reproduce, and need food, air, and water.
Grade 2		
Lesson	Standard	Description
1, 2, 3, 4, 5	2.1.1	Describe objects as accurately as possible and compare observations with those made and reported by others.
1, 2, 3, 5	2.1.2	Make new observations when there is disagreement among observers or among successive observations.
1, 2, 3, 5	2.1.3	Demonstrate the ability to work with a team, but still reach and communicate one's own conclusions about findings.
3	2.1.4	Use tools — such as thermometers, magnifiers, rulers, or balances — to investigate, observe, measure, design, and build things.
3	2.1.5	Measure objects in standard units and include units in reports of measurements with simple calculations (e.g., 3 cm + 3 cm = 6 cm).
1, 2, 3, 4, 5	2.1.6	Draw pictures and write brief, coherent descriptions that correctly portray key features of an object.
3, 4	2.1.7	Recognize and explain that people are more likely to believe ideas when they are supported by observations.
2	2.1.10	Make simple line and bar graphs (e.g., track daily changes in outdoor air temperature).
4, 5	2.7.7	Recognize there is a vast world of living things, called <i>microorganisms</i> , too small to see with the unaided eye.
4, 5	2.8.1	Recognize and explain that living things are found almost everywhere in the world in habitats such as the oceans, rivers, rainforests, mountain ranges, arctic tundra, farms, cities, and other environments. Recognize some habitats are extreme, such as the very deepest parts of the oceans or inside hot springs.

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Washington, D.C. Mathematics Learning Standards: Grades 1 & 2

Grade 1

Lesson	Standard	Description
2, 5	1.NSO-C.9	Demonstrate an understanding of various meanings of addition and subtraction, such as addition as combination (i.e., plus, combined with, more), subtraction as comparison (i.e., how much less, how much more), equalizing (i.e., how many more are needed to make these equal), and separation (i.e., how much remaining).
2, 5	1.NSO-C.10	Know addition and subtraction facts (addends to 10), commit to memory, and use them to solve problems.
2	1.NSO-C.12	Use mental arithmetic to find the sum or difference of two one-digit whole numbers.
1, 2	1.G.5	Arrange and describe objects in space by proximity, position, and direction (e.g., near, far, below, above, up, down, behind, in front of, next to, left or right of).
2, 3	1.M.1	Compare the length, weight, and volume of two or more objects by using direct comparison.
3	1.M.2	Make and use estimates of measurement, including time and weight.
3	1.M.3	Measure the length of objects by repeating a nonstandard or standard unit.
1, 2, 3	1.DASP.1	Use surveys and observations to gather data about themselves and their surroundings.
1, 2	1.DASP.2	Represent and compare data (e.g., largest, smallest, most often, least often) using tally charts, pictures, and bar graphs.
2, 3, 5	1.DASP.3	Ask and answer simple questions related to data representations.

Grade 2

Lesson	Standard	Description
2	2.NSO-C.15	Use mental arithmetic to find the sum or difference of two two-digit numbers.
3	2.M.3	Select and correctly use the appropriate measurement tool (ruler, balance scale, thermometer).
1, 2, 3	2.DASP.1	Use interviews, surveys, and observations to gather data about themselves and their surroundings.
1, 2, 3	2.DASP.2	Organize, classify, and represent data using tallies, charts, tables, bar graphs, pictographs, and Venn diagrams; interpret the representations.
1, 2, 3, 5	2.DASP.3	Formulate inferences (draw conclusions) and make educated guesses (conjectures) about a situation based on information gained from data.

Washington, D.C. Reading / English Language Arts Learning Standards: Grades 1 & 2

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Grade 1		
Lesson	Standard	Description
All lessons	1.LD-D.1	Follow agreed-upon rules for discussion, including raising one's hand, waiting one's turn, speaking one at a time, and listening politely to the ideas of others.
All lessons	1.LD-Q.2	Listen attentively by facing the speaker.
All lessons	1.LD-Q.3	Describe familiar objects, people, and events and their attributes with specific words and phrases.
1, 4	1.LD-O.5	Retell stories using standard grammar rules, sequencing story events by answering who, what, where, when, how, and why questions.
3	1.BR-P.18	Recognize high-frequency words and irregular sight words (e.g., the, have, said, come, give, of).
1, 4	1.IT-E.1	Identify the topic of text heard or read.
All lessons	1.IT-E.2	Respond appropriately to questions based on facts in text heard or read.
1, 2, 3	1.IT-DP.4	Follow a set of written multistep directions with picture cues to assist.
1, 4, 6	1.LT-U.2	Sequence a series of events in a literary selection heard or read.
1, 4	1.LT-G.4.	Identify differences between fiction and nonfiction and determine whether a literary selection is realistic or a fantasy.
1, 6	1.LT-T.5	Relate a theme in fiction to life experiences.
1, 2, 3, 4	1.R.1	Generate questions and gather information from several sources in the classroom, school, or public library.
All lessons	1.EL.2	Write in complete sentences.
All lessons	1.EL.4	Print legibly in manuscript upper- and lower-case letters of the alphabet, and use them to make words.
Grade 2		
Lesson	Standard	Description
All lessons	2.LD-D.1	Follow agreed-upon rules for discussion, including raising one's hand, waiting one's turn, speaking one at a time, listening politely to the ideas of others, and gaining the floor in respectful ways.
All lessons	2.LD-Q.2	Know and practice appropriate listening behavior.
All lessons	2.LD-Q.4	Ask questions to clarify confusion about a topic.
All lessons	2.LD-O.6	Relate an important event in life or describe personal interests, maintaining focus on the topic and speaking clearly at an understandable pace.
1, 4, 6	2.IT-E.1	Identify the purpose and restate important facts from a text heard or read.
All lessons	2.IT-E.2	Answer questions about text heard or read.
1, 2, 3	2.IT-DP.4	Follow a set of written multistep directions.

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1, 4	2.LT-F.7	Describe the characters' traits in a story.
1, 2, 3, 4	2.R.1	Generate questions and gather information from several sources in the classroom, school, or public library.
All lessons	2.EL.6	Spell: high-frequency irregular words correctly (e.g., who, what, why); basic short vowel, long vowel, "r"-controlled, and consonant blend patterns in words; and orthographic patterns and rules such as keep/cap, sack/book, out/cow, consonant doubling, dropping "e," and changing "y" to "i."
National Health Education Standards – Grades Pre-K– 2: cited from pre-publication document of National Health Education Standards, Pre K-12, American Cancer Society, December 2005 – August 2006		
Lesson	Standard	Performance Indicator
3, 4, 5, 6	1.2.1	Identify that healthy behaviors impact personal health.
3, 5, 6	1.2.5	Describe why it is important to seek health care.
3, 5	2.2.1	Identify how the family influences personal health practices and behaviors.
3, 5	3.2.1	Identify trusted adults and professionals who can help promote health.
3, 4, 5, 6	4.2.2	Demonstrate listening skills to enhance health.
3, 5	6.2.1	Identify a short-term personal health goal and take action toward achieving the goal.
3, 4, 5	7.2.1	Demonstrate healthy practices and behaviors to maintain or improve personal health.
3, 4, 5	7.2.2	Demonstrate behaviors to avoid or reduce health risks.
3, 4, 5, 6	8.2.2	Encourage peers to make positive health choices.
3, 5, 6	8.8.4	Identify ways that health messages and communication techniques can be altered for different audiences.