

KANSAS ALIGNMENT FOR NIH SUPPLEMENT OPEN WIDE AND TREK INSIDE

OPEN WIDE AND TREK INSIDE		
Kansas Science Standards: Grades K – 2		
Lesson	Standard	Indicator
1, 2, 3	1.1.1	Identifies properties of objects.
2	1.1.2	Classifies and arranges groups of objects by a variety of properties, one property at a time.
1, 2, 3	1.1.3	Uses appropriate materials, tools, and safety procedures to collect information.
1, 2, 3, 4	1.1.4	Asks and answers questions about objects, organisms, and events in his/her environment.
1, 2, 3	1.1.5	Describes an observation orally or pictorially.
2, 3	2.1.1	Observes properties of objects and measures or describes those properties using age-appropriate tools and materials.
1, 2	2.1.4	Describes the position of an object in relation to other objects.
4	3.1.1	Discusses that organism live only in environments in which their needs can be met.
2, 3	5.1.1	Explores the way things work.
3	5.1.2	Experiences science through technology.
1, 2, 5, 6	6.1.1	Engages in personal care.
5, 6	6.1.2	Discusses healthy foods.
1, 2, 3	7.1.1	Is involved in explorations that make his/her mind wonder and know that he/she is practicing science.
Kansas Mathematics Standards: Grades 1 & 2		
Grade 1		
Lesson	Standard	Knowledge Base Indicator
2, 5	1.1.1	Knows, explains, and represents whole numbers from 0 through 100 using concrete objects.
2	1.3.1	Estimates whole number quantities from 0 through 100 using various computational methods including mental math, paper and pencil, concrete objects, and appropriate technology.
2	1.4.1	Computes with efficiency and accuracy using various computational methods including mental math, paper and pencil, concrete objects, and appropriate technology.
2	1.4.2	States and uses with efficiency and accuracy basic addition facts with sums from 0 through 10 and corresponding subtraction facts.
2	2.1.3	Identifies and continues a pattern presented in various formats including numeric (list or table), visual (picture, table, or graph), verbal (oral description), kinesthetic (action), and written.
2	2.4.1	Knows, explains, and uses mathematical models to represent mathematical concepts, procedures, and relationships.
3	3.2.4	Selects appropriate measuring tools for length, weight, volume, and temperature for a given situation.
1, 2, 5	3.3.1	Describes the spatial relationship between two concrete objects using appropriate vocabulary, e.g., behind, above,

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		below, on, under, beside, or in front of.
1, 2	4.2.1	Displays and reads numerical (quantitative) and non-numerical (qualitative) data in a clear, organized, and accurate manner including a title, labels, and whole number intervals using these data displays: <ul style="list-style-type: none"> a. graphs using concrete objects, b. pictographs with a whole symbol or picture representing one (no partial symbols or pictures), c. frequency tables (tally marks), d. horizontal and vertical bar graphs, e. Venn diagrams or other pictorial displays, e.g., glyphs.
1, 2, 3	4.2.2	Collects data using different techniques (observations or interviews) and explains the results.
1, 2, 3	4.2.5	Sorts and records qualitative (non-numerical, categorical) data sets using one attribute, e.g., color, shape, or size.
Grade 2		
2	1.4.1	Computes with efficiency and accuracy using various computational methods including mental math, paper and pencil, concrete objects, and appropriate technology.
2	1.4.2	States and uses with efficiency and accuracy basic addition facts with sums from 0 through 20 and corresponding subtraction facts.
2	2.4.1	Knows, explains, and uses mathematical models to represent mathematical concepts, procedures, and relationships.
3	3.2.3	Selects and uses appropriate measurement tools and units of measure for length, weight, volume, and temperature for a given situation.
3	3.2.4	Measures: <ul style="list-style-type: none"> a. length to the nearest inch or foot and to the nearest whole unit of a nonstandard unit; b. weight to the nearest nonstandard unit; c. volume to the nearest cup, pint, quart, or gallon; d. temperature to the nearest degree.
1, 2	4.2.1	Organizes, displays, and reads numerical (quantitative) and non-numerical (qualitative) data in a clear, organized, and accurate manner including a title, labels, categories, and whole number intervals using these data displays: <ul style="list-style-type: none"> a. graphs using concrete objects; b. pictographs with a whole symbol or picture representing one, two, or ten (no partial symbols or pictures); c. frequency tables (tally marks); d. horizontal and vertical bar graphs; e. Venn diagrams or other pictorial displays, e.g., glyphs; f. line plots.
1, 2, 3	4.2.2	Collects data using different techniques (observations or interviews) and explains the results.
Kansas Reading Standards: Grades 1 & 2		
Lesson	Standard	Knowledge Base Indicator
2, 3, 4	1.3.2	Determines the meaning of unknown words or phrases using picture clues and <i>context clues</i> from sentences.
1, 4, 6	1.4.1	Participates in discussions about (1 st) / Recognizes the differences between (2 nd) <i>narrative, expository, and technical</i>

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		<i>texts</i> read to them or text read independently.
1, 4, 6	1.4.4	Generates (2 nd) and responds (1 st) logically to literal, inferential, and <i>critical thinking</i> questions before, during, and after listening to or reading the text.
1, 4, 6	1.4.5	Uses picture clues (1 st) illustrations (2 nd), text, and prior knowledge to make inferences and draw conclusions.
1, 6	1.4.7	Sequences events according to basic story structure of beginning, middle, and end.
1, 4, 6	1.4.10	Identifies the <i>topic</i> and <i>main idea</i> in appropriate-level texts.

Kansas Writing Standards: Grades 1 & 2

Lesson	Standard	Knowledge Base Indicator
All lessons	1.1.7	Writes several complete sentences (1 st) / a simple paragraph (2 nd) about one idea.
All lessons	1.1.18	Spells most words like they sound in student's writing (1 st). Correctly spells high frequency words (2 nd).
All lessons	1.2.1	Chooses an idea about which to write and uses words to express this idea in a basic sentence (1 st). Develops one clear main idea with supporting details (2 nd).
All lessons	1.2.12	Begins to write and/or draw feelings about the topic with the purpose of informing the reader.
All lessons	1.2.15	Writes a simple sentence that is a complete thought that is easy to read aloud (1 st). Writes complete sentences that are easy to read aloud (2 nd).
All lessons	1.2.18	Uses correct spacing between words.
All lessons	1.2.19	Capitalizes the beginning of a sentence using correct punctuation.

Kansas Health Education Standards: Grades 1 – 4

Lesson	Standard	Descriptor
2, 3, 4, 5, 6	1.1	Demonstrate comprehension of basic concepts related to health promotion and disease prevention by identifying and describing relationships between well-being and the health-related behaviors in the ten content areas.
4, 5, 6	3.1	Identify and demonstrate healthy behaviors to reduce health risks.
All lessons	5.1	Demonstrate verbal and nonverbal communication skills to enhance health.
5, 6	6.1	Identify, describe, and demonstrate goal-setting and decision-making skills to enhance health.