

OPEN WIDE AND TREK INSIDE		
Indiana Science Academic Standards: Grades 1 & 2		
Grade 1		
Lesson	Standard	Description
1, 2, 3, 4	1.1.1	Observe, describe, draw, and sort objects carefully to learn about them.
1, 2, 3	1.1.2	Investigate and make observations to seek answers to questions about the world, such as “In what ways do animals move?”
3	1.1.4	Use tools, such as rulers and magnifiers, to investigate the world and make observations.
2, 5	1.2.1	Use whole numbers, up to 100, in counting, identifying, measuring, and describing objects and experiences.
3, 4	1.2.5	Demonstrate that magnifiers help people see things they could not see without them.
1, 2, 3	1.2.6	Describe and compare objects in terms of number, shape, texture, size, weight, color, and motion.
2, 3	1.2.7	Write brief informational descriptions of a real object, person, place, or event using information from observations.
1, 4	1.4.4	Explain that most living things need water, food, and air.
1, 2	1.5.2	Make and use simple picture graphs to tell about observations.
3	1.6.1	Observe and describe that models, such as toys, are like the real things in some ways but different in others.
2, 3	1.6.2	Observe that and describe how certain things change in some ways and stay the same in others, such as in their color, size, and weight.
Grade 2		
Lesson	Standard	Description
3	2.1.1	Manipulate an object to gain additional information about it.
3	2.1.2	Use tools — such as thermometers, magnifiers, rulers, or balances — to gain more information about objects.
1, 2, 3	2.1.3	Describe both in writing and verbally, objects as accurately as possible and compare observations with those of other people.
1, 2, 3	2.1.4	Make new observations when there is disagreement among initial observations.
1, 2, 3	2.1.5	Demonstrate the ability to work with a team but still reach and communicate one’s own conclusions about findings.
3	2.1.6	Use tools to investigate, observe, measure, design, and build things.
1, 2, 3, 4	2.2.5	Draw pictures and write brief descriptions that correctly portray key features of an object.
1, 4	2.4.1	Observe and identify different external features of plants and animals and describe how these features help them live in different environments.

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1, 4	2.4.4	Recognize and explain that living things are found almost everywhere in the world and that there are somewhat different kinds in different places.
1, 2	2.4.7	Recognize and discuss that people are more like one another than they are like other animals.
1, 2	2.6.1	Investigate that most objects are made of parts.
3	2.6.2	Observe and explain that models may not be the same size, may be missing some details, or may not be able to do all of the same things as the real things.
2, 3	2.6.3	Describe that things can change in different ways, such as in size, weight, color, age, and movement. Investigate that some small changes can be detected by taking measurements.

Indiana Mathematics Academic Standards: Grades 1 & 2

Grade 1

Lesson	Standard	Description
2, 5	1.1.1	Count, read, and write whole numbers up to 100.
1, 2, 3	1.1.10	Represent, compare, and interpret data using pictures and picture graphs.
2	1.2.4	Demonstrate mastery of the addition facts (for totals up to 20) and the corresponding subtraction facts.
2	1.4.3	Classify and sort familiar plane and solid objects by position, shape, size, roundness, and other attributes. Explain the rule used.
1, 2, 5	1.4.6	Arrange and describe objects in space by position and direction: near, far, under, over, up, down, behind, in front of, next to, to the left or right of.
3	1.5.1	Measure the length of objects by repeating a nonstandard unit or a standard unit.
3	1.6.2	Use tools such as objects or drawings to model problems.

Grade 2

Lesson	Standard	Description
2, 3	2.1.11	Collect and record numerical data in systematic ways.
1, 2, 3	2.1.12	Represent, compare, and interpret data using tables, tally charts, and bar graphs.
3	2.5.3	Decide which unit of length is most appropriate in a given situation.
3	2.6.2	Use tools such as objects or drawings to model problems.

Indiana English Language Arts Academic Standards: Grades 1 & 2

Grade 1

Lesson	Standard	Description
2, 3, 4, 6	1.1.11	Read common sight words (words that are often seen and heard).

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1, 4	1.2.3	Respond to <i>who, what, when, where, why, and how</i> questions and recognize the main idea of what is read.
1, 2, 3, 4, 6	1.2.4	Follow one-step written instructions.
3, 4, 6	1.2.7	Relate prior knowledge to what is read.
All lessons	1.4.1	Discuss ideas and select a focus for group stories or other writing.
1, 2, 6	1.4.6	Organize and classify information by constructing categories on the basis of observation.
All lessons	1.5.2	Write brief expository (informational) descriptions of a real object, person, place, or event, using sensory details.
All lessons	1.5.4	Use descriptive words when writing.
All lessons	1.5.5	Write for different purposes and to a specific audience or person.
All lessons	1.6.1	Print legibly and space letters, words, and sentences appropriately.
All lessons	1.6.2	Write in complete sentences.
All lessons	1.7.1	Listen attentively.
All lessons	1.7.2	Ask questions for clarification and understanding.
1, 2, 3, 4, 6	1.7.3	Give, restate, and follow simple two-step directions.
All lessons	1.7.4	Stay on the topic when speaking.
All lessons	1.7.5	Use descriptive words when speaking about people, places, things, and events.

Grade 2

Lesson	Standard	Description
1, 4	2.2.4	Ask and respond to questions (<i>when, who, where, why, what if, how</i>) to aid comprehension about important elements of informational texts.
1, 4	2.2.5	Restate facts and details or summarize the main idea in the text to clarify and organize ideas.
1, 2, 3	2.2.7	Interpret information from diagrams, charts, and graphs.
1, 2, 3, 4, 6	2.2.8	Follow two-step written instructions.
2, 3	2.2.9	Use context (the meaning of the surrounding text) to understand word and sentence meanings.
All lessons	2.5.2	Write a brief description of a familiar object, person, place, or event that: develops a main idea and uses details to support the main idea.
All lessons	2.5.5	Use descriptive words when writing.
All lessons	2.5.6	Write for different purposes and to a specific audience or person.
All lessons	2.6.1	Form letters correctly and space words and sentences properly so that writing can be read easily by another person.
All lessons	2.6.3	Use the correct word order in written sentences.
All lessons	2.6.8	Spell correctly words like <i>was, were, says, said, who, what, and why</i> , which are used frequently but do not fit common spelling patterns.
All lessons	2.7.1	Determine the purpose or purposes of listening (such as to obtain information, to solve problems, or to enjoy

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		humor).
1, 4	2.7.2	Ask for clarification and explanation of stories and ideas.
1, 2, 3, 4, 6	2.7.3	Paraphrase (restate in own words) information that has been shared orally by others.
1, 2, 3, 4, 6	2.7.4	Give and follow three- and four-step oral directions.
All lessons	2.7.6	Speak clearly and at an appropriate pace for the type of communication (such as an informal discussion or a report to class).
1, 2, 6	2.7.7	Tell experiences in a logical order (chronological order, order of importance, spatial order).
1, 6	2.7.8	Retell stories, including characters, setting, and plot.
All lessons	2.7.9	Report on a topic with supportive facts and details.
All lessons	2.7.11	Report on a topic with facts and details, drawing from several sources of information.
All lessons	2.7.12	Use descriptive words when speaking about people, places, things, and events.
All lessons	2.7.14	Provide descriptions with careful attention to sensory detail.

Indiana Health Education Academic Standards: Grades 1 & 2

Lesson	Standard	Description
1, 2, 4, 5, 6	1.1.1 2.1.1	Identify responsible health behaviors.
1, 2, 4, 5, 6	1.1.2 2.1.2	Describe relationships between personal health behaviors and individual well-being.
4, 5	1.1.3 2.1.4	Describe the relationship between physical health and emotional health.
1, 2, 4, 6	1.1.4 2.1.5	Describe the basic structure and functions of the human body systems.
3, 4, 5	1.1.7 2.1.8	Explain how childhood injuries and illnesses can be prevented or treated.
2, 3, 4, 5	2.1.7	Identify health problems of children that should be detected and treated early.
2, 3, 4, 5, 6	1.1.8 2.1.9	Explain basic health terms and concepts.
2, 4, 5	1.2.1 2.2.1	Identify (1) / Demonstrate the ability to locate (2) resources from home, school, and community that provide valid health information.
4, 5, 6	1.3.4 2.3.4	Demonstrate the ability to: assess personal health perceptions and behaviors (1); identify personal health needs (2).
1, 4, 5	1.3.5 2.3.5	Demonstrate personal hygiene skills (e.g., the proper technique for brushing one's teeth; how to floss one's teeth.)

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3, 4, 5	1.4.1 2.4.1	Describe how the family (1) and school (2) influence personal health behaviors.
2, 4, 5	1.4.4 2.4.4	Describe ways technology can influence health and health behaviors.
All lessons	2.5.1	Demonstrate effective verbal and nonverbal communication skills to enhance health.
All lessons	1.5.4 2.5.4	Demonstrate ways to communicate care, consideration, and respect of self and others.
All lessons	2.5.5	Demonstrate attentive listening skills to build and maintain healthy relationships.
4, 5	1.6.1 2.6.1	Explain when to ask for assistance in making health related decisions and setting health goals.
4, 5	1.6.2 2.6.2	Demonstrate the ability to apply a decision-making process to health issues and problems.
4, 5, 6	1.6.3 2.6.3	Predict outcomes of positive health decisions.
4, 5	1.6.4 2.6.4	Demonstrate the ability to set a short-term personal health goal and monitor progress toward its achievement.
2, 4, 5, 6	1.7.1 2.7.2	Demonstrate the ability to express information and ideas about health issues.
4, 5, 6	1.7.2 2.7.3	Demonstrate the ability to influence and support others in making positive health choices.