

OPEN WIDE AND TREK INSIDE		
West Virginia Science Content Standards and Objectives – Grades 1 & 2		
Lesson	Standard	Objective
All lessons	SC.1.1.1	Ask questions about themselves and their world.
3	SC.1.2.2	Use scientific instruments and everyday materials to investigate the natural world (e.g., hand lens, balance, magnets, thermometer, seeds, rocks).
3	SC.1.2.3	Use safe and proper techniques for handling, manipulating and caring for science materials (e.g., follow safety rules, maintain a clean work area, treat living organisms humanely).
1, 2, 3, 5	SC.1.2.4	Collect, record and compare information using a variety of classification systems (e.g., ordering, sorting, sequencing) and using a variety of communication techniques (e.g., sketches, pictographs, models).
1, 2, 5	SC.1.3.1	Identify that systems are made of parts that interact with one another.
3, 5	SC.1.3.2	Use models as representations of real things.
1, 4, 5	SC.1.4.2	Identify that most living things need water, food, light and air.
2, 4, 5	SC.1.4.3	Recognize changes in life cycle of living organisms.
All lessons	SC.1.6.1 SC.2.6.1	Listen to and be tolerant of different viewpoints while working in collaborative groups.
1, 2, 3	SC.2.1.1	Recognize science as the human’s search for an understanding of the world by asking questions about themselves and their world.
1, 2, 3	SC.2.2.1	Demonstrate curiosity, initiative and creativity by observing, classifying and comparing the patterns, variations and interactions of natural objects in the environment.
3	SC.2.2.2	Manipulate scientific instruments and everyday materials to investigate the natural world (e.g., hand lens, balance, thermometer, metric ruler, magnets, weather instruments, calculators).
2, 3	SC.2.2.3	Measure the length and width of various objects using standard and non-standard units (e.g., metric ruler, paper clips, counting bears).
3	SC.2.2.4	Use safe and proper techniques for handling, manipulating, and caring for science materials (e.g., follow safety rules, maintain a clean work area, treat living organisms humanely).
2, 3, 5	SC.2.2.5	Conduct simple investigations; observe, collect and record information using a variety of classification systems; describe trends of data; and make predictions based on that data (e.g., seasonal changes and

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		plants; temperature and weather).
1, 2, 5	SC.2.3.1	Identify that systems are made of parts that interact with one another.
3, 5	SC.2.3.2	Use models as representations of real things.
2, 3, 5	SC.2.3.3	Observe that changes occur gradually, repetitively, or randomly within the environment.

West Virginia Math Content Standards and Objectives – Grades 1 & 2

Lesson	Standard	Objective
2	MA.1.1.15 MA.2.1.13	Solve grade level appropriate picture and story problems using multiple strategies.
2, 3	MA.1.2.1	Sort and classify objects by more than one attribute.
2, 5	MA.1.2.2	Analyze and create a repeating pattern using common objects and numbers.
2, 3	MA.1.4.3	Compare two objects or events according to one or more of the following attributes: length, height, weight, time, temperature and volume.
3	MA.1.4.11	Select the appropriate tools of measurement to determine length, weight, volume and temperature.
1, 2, 3	MA.1.5.1	Identify and investigate various forms of data collection.
3	MA.1.5.3 MA.2.5.2	Conduct simple experiments and use the data to predict which of the events is more likely.
2, 3	MA.1.5.5	Tally by one's, organize the data in a chart/table, and construct a bar graph; read and interpret tally charts and tables.
2, 3	MA.1.5.6 MA.2.5.3	Analyze data represented on a graph using grade level appropriate questions.
2, 3, 5	MA.2.4.6	Order events in relation to time.
2, 3	MA.2.5.4	Formulate questions, collect data, organize and display as a chart/graph.

West Virginia Reading and Language Arts Content Standards and Objectives – Grades 1 & 2

Lesson	Standard	Objective
2, 3, 4, 6	RLA.1.1.7 RLA.2.1.4	Use a variety of context clues to determine word meanings (e.g., prior knowledge; reading ahead).

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1, 2, 4, 5, 6	RLA.1.1.8	Recognize basic comprehension concepts (e.g., story elements; main idea; sequence; cause/effect; prediction).
4	RLA.1.1.9 RLA.2.1.7	Respond to both literal and interpretive comprehension questions after reading a short story selection that is developmentally appropriate
All lessons	RLA.1.1.16 RLA.2.1.14	Use reading skills and strategies to understand a variety of informational resources to support literacy learning (e.g., environmental print; written directions; signs; captions; labels; informational books).
All lessons	RLA.1.2.2	Compose written works using appropriate parts of the writing process (e.g., initial attention to planning; drafting; rereading for meaning; some self correction; class and individual publishing).
All lessons	RLA.1.2.4	Write in a variety of forms or genres (e.g., journal writing; written response to literature; writing poems).
1, 6	RLA.1.3.1 RLA.2.3.1	Identify/recognize the main idea of messages in visual media (e.g., pictures; cartoons; weather reports; newspaper photos; visual narratives.)
1, 4, 6	RLA.2.1.6	Use basic comprehension skills to understand a story (e.g., story elements; main idea; sequence; cause/effect; predicting; drawing conclusions; fact or opinion; summarizing; responding creatively to texts).

West Virginia Health Content Standards and Objectives – Grades 1 & 2

Lesson	Standard	Objective
5, 6	HE.1.1.1	Explain the effects on the body of healthful and less healthful foods.
4, 5, 6	HE.1.1.2	Verbally list ways to keep germs out of one’s body.
4, 5	HE.1.1.3	Identify the need for medical checkups and other health-care procedures (e.g., eye and dental exams).
5	HE.1.6.3	Use decision-making skills to select a healthful meal.
4, 5, 6	HE.1.7.2	Convey accurate health information and ideas.
4, 5, 6	HE.1.7.3	Identify ways to help others make positive health choices.
All lessons	HE.1.7.4	Identify ways to support positive interactions (e.g., listening to and following directions, following rules, showing care and concern toward others).
5, 6	HE.2.1.3	Explain the importance of good dental care and how to demonstrate good dental hygiene.
All lessons	HE.2.5.1	Practice pro-social communication skills (e.g., please and thank you).