

OPEN WIDE AND TREK INSIDE		
Maryland Voluntary State Curriculum – Science – Grades K-4		
Lesson	Standard	Description
All lessons	1.A.1	Raise questions about the world around them and be willing to seek answers to some of them by making careful observations and trying things out.
1, 2, 3, 6	1.A.1.a	Describe what can be learned about things by just observing those things carefully and adding information by sometimes doing something to the things and noting what happens.
All lessons	1.A.1.b	Seek information through reading, observation, exploration, and investigations.
3	1.A.1.c	Use tools such as thermometers, magnifiers, rulers, or balances to extend their senses and gather information.
3	1.A.1.d	Explain that when a science investigation is done the way it was done before, we expect to get a very similar result.
3, 5	1.A.1.f	Suggest things that you could do to find answers to questions raised by observing objects and/or phenomena (events such as, water disappearing from the classroom aquarium or a pet’s water bowl.)
2, 3, 5	1.A.1.g	Use whole numbers and simple, everyday fractions in ordering, counting, identifying, measuring, and describing things and experiences.
1, 2, 3, 5, 6	1.B.1.b	Develop reasonable explanations for observations made, investigations completed, and information gained by sharing ideas and listening to others’ ideas.
1, 2, 3, 5, 6	1.C.1.a	Describe things as accurately as possible and compare observations with those of others.
2, 3, 5	1.C.1.b	Describe and compare things in terms of number, shape, texture, size, weight, color, and motion.
1, 2, 3, 4	1.C.1.c	Draw pictures that correctly portray at least some features of the thing being described.
1, 2, 3, 5, 6	1.C.1.d	Have opportunities to work with a team, share findings with others, and recognize that all team members should reach their own conclusions about what the findings mean.
3	1.C.1.e	Recognize that everybody can do science and invent things and ideas.
3, 5	1.D.1.a	Explain that a model of something is different from the real thing but can be used to learn something about the real thing.
2, 3, 5	1.D.1.b	Realize that one way to describe something is to say how it is like something else.
3, 5	1.D.1.c	Explain that models may sometimes mislead by suggesting characteristics that are not really shared with what is being modeled.
4, 5	3.B.1	Explore the world of minute living things to describe what they look like, how they live, and how they interact with

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		their environment. (Grade 3)
4, 5	3.B.1.d	Use information gathered about these minute organisms to compare mechanisms they have to satisfy their basic needs to those used by larger organisms. (Grade 3)
4, 5	3.D.1.a	Describe ways in which organisms in one habitat differ from those in another habitat and consider how these differences help them survive and reproduce. (Grade 4)
1, 4, 5	3.D.1.b	Explain that the characteristics of an organism affect its ability to survive and reproduce. (Grade 4)
4, 5	3.D.1.d	Explain that changes in a habitat may be beneficial or harmful to the survival of a population of organisms. (Grade 4)
1, 2, 3	4.A.1.a	Classify objects based on their observable properties. (Grade 3)
2	4.A.1.b	Provide reasons for placing the objects into groups. (Grade 3)
1, 2, 3	4.A.1.c	Compare classifications with those of others. (Grade 3)

Maryland Voluntary State Curriculum – Mathematics – Grades 3-4

Lesson	Standard	Description
2, 3	3.A.1	Read customary and metric measurement units.
2, 3	4.A.1.b	Organize and display data to make tables using a variety of categories and sets of data.
2, 3	4.B.1.a	Interpret data contained in tables using a variety of categories and intervals.
2, 3, 5	6.A.1.a	Read, write, and represent whole numbers using symbols, words, and models.
2	6.A.1.d	Compare, order, and describe whole numbers with or without using relational symbols (<, >, =).
2	6.C.1.a	Add numbers using a variety of strategies.
2, 3, 5	7.B.1.a	Use inductive or deductive reasoning.
2, 3, 5	7.C.1.a	Use multiple representations to express concepts or solutions.
2, 3, 5	7.C.1.b	Express mathematical ideas orally.
2, 3	7.C.1.e	Express solutions using pictorial, tabular, graphical, or algebraic methods.
2, 3	7.C.1.f	Explain solutions in written form.
2	7.C.1.g	Ask questions about mathematical ideas or problems.
2, 3	7.C.1.h	Give or use feedback to revise mathematical thinking.

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2, 3	7.D.1.b	Identify mathematical concepts in relationship to other disciplines.
2, 3	7.D.1.c	Identify mathematical concepts in relationship to life.
Maryland Voluntary State Curriculum – Reading/English Language Arts – Grades K-2		
Lesson	Standard	Description
1, 2, 4	1.D.1.a	Acquire new vocabulary through listening to and reading a variety of texts on a daily basis.
All lessons	1.D.1.b	Discuss words and word meanings daily as they are encountered in texts, instruction, and conversation.
All lessons	1.D.1.c	Ask questions to clarify meaning about objects and words related to topics discussed.
1, 2, 3, 5, 6	1.D.2.a	Use words to describe location, size, color, and shape.
All lessons	1.D.3.d	Use newly learned vocabulary on multiple occasions to reinforce meaning.
All lessons	1.E.3.a	Use illustrations to construct meaning from text.
All lessons	1.E.3.c	Make comments and ask relevant questions.
1, 2, 4, 5, 6	1.E.3.e	Connect events, characters, and actions in stories to specific life experiences.
1, 4, 5, 6	1.E.4.a	Recall and discuss information from text.
1, 2, 4, 5, 6	1.E.4.c	Respond to text by drawing, speaking, dramatizing, or writing.
1, 2, 4, 5, 6	1.E.4.d	Compare information in text with prior knowledge.
2, 3, 6	2.A.1.b	Read and recognize functional documents: sets of directions, science investigations, posters, flyers, forms, invitations, menus, maps, recipes, rules, and classroom schedules.
All lessons	4.A.1.a	Generate ideas and topics and make a plan for writing.
All lessons	4.A.2.a	Write to express personal ideas using drawings, symbols, letters, words, sentences, and simple paragraphs.
All lessons	4.A.2.c	Use sensory details to expand ideas.
All lessons	4.A.2.f	Write a variety of responses to text, such as response logs and journals.
All lessons	4.A.4.b	Acquire and use new vocabulary.
All lessons	6.A.1.a	Attend to the speaker.
All lessons	6.A.1.b	Ask appropriate questions.
All lessons	6.A.1.c	Respond appropriately to clarify and understand. (Grade 2)
All lessons	6.A.2.c	Demonstrate an understanding of what is heard by retelling, asking questions, and relating prior knowledge.

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All lessons	6.A.2.d	Follow a set of multi-step directions.
All lessons	6.A.2.e	Listen carefully to expand and enrich vocabulary.
All lessons	7.A.2.a	Speak in a variety of situations to inform and/or relate experiences, including retelling stories.
Maryland Voluntary State Curriculum – Health – Grades K-2		
Lesson	Standard	Description
All lessons	1.A.1	Recognize appropriate methods of communication.
1, 4, 5, 6	1.A.2	Examine emotions and responses to various situations.
5, 6	1.A.4.a	Identify factors that influence making decisions. (Grade 2)
5, 6	1.A.4.b	Identify and describe what makes a good choice/decision: safe, respectful, legal, parent approval. (Grade 1)
3, 4, 5, 6	3.A.1.a	Identify why it is important to keep your body clean, such as to prevent diseases, smell nice, and look nice. (Grade K)
3, 4, 5, 6	3.A.1.b	List ways you can keep your body clean: take a bath or shower, wash your hair, wash your hands, and brush your teeth. (Grade K)
4, 5, 6	3.A.3.a	Describe ways to promote dental health: brush teeth, floss teeth, visit dentist, and eat healthy foods. (Grade 1)
5, 6	6.A.8.a	Describe how food keeps the body healthy: prevent illness, and maintain strong bones, muscles, and teeth. (Grade K)