



Correlation of *Core Knowledge® Sequence* & Colorado Grade Level Expectations

Core Knowledge® Content (Science-Kindergarten)	Colorado Grade Level Expectations (Kindergarten-Science)
I. Plants and Plant Growth	
▪	K.3.B use pictures to describe the growth of a plant K.4.H identify that water is important to all living things on Earth K.1.2.E observe and describe changes in a simple system (e.g. plant terrarium, ant farm, aquarium)
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▪	K.3.C describe some plants and animals that live in different places (e.g. polar bear) and how they are different (this is studied in more depth in Grade 1: Science: Habitats)
▪	K.4.C know that soil and rock are materials of the earth; soil is used to grow plants we use as food; soils have properties of color and texture
II. Animals and Their Needs	
▪	K.3.A identify and describe living and non living things K.3.C describe some plants and animals that live in different places (e.g. polar bear) and how they are different (this is studied in more depth in Grade 1: Science: Habitats) K.4.H identify that water is important to all living things on Earth
III. The Human Body	
▪	K.2.B identify physical properties of objects that are detected by the senses (e.g. large or small, odor, rough or smooth, heavy or light, soft or hard)
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IV. Introduction to Magnetism	
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V. Seasons and Weather	
▪	K.4.D identify events that change the Earth's surface (hurricanes, tornadoes, earthquakes)
▪	K.1.2.F observe and describe simple patterns and cycles (e.g. seasons, day/night, geometric designs) K.4.F name the four seasons and some characteristics of each
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▪	K.4.I know that the sun can only be seen in the daytime whereas the moon can be seen mostly at night but sometimes during the day K.5.C recognize some resources that come from the Earth and sun (e.g. soil from the Earth; light from the sun)
▪	K.2.D predict whether an object can sink or float K.4. Edescribe how activities and clothing must be changed to agree with the weather K.4.G know that rain and snow furnish water for rivers
VI. Taking Care of the Earth	
▪	K.5.C recognize some resources that come from the Earth and sun (e.g. soil from the Earth; light from the sun) K.4.A identify that the Earth is a planet with many living and nonliving things, also covered in Grade 1: Science: The Earth
VII. Science Biographies	

Correlation of the *Core Knowledge Sequence* and the Colorado Grade Level Expectations

Grade level or other area Grade Level Expectations are covered in the <i>Core Knowledge Sequence</i>	Grade Level Expectations not directly covered in the <i>Core Knowledge Sequence</i> , but can be covered in other areas
This can be covered in many other areas, see note to teachers above	K.1.1.A ask reasonable questions based on observation about objects, organisms, and events in their environment
This can be covered in many other areas, see note to teachers above	K.1.1.B state simple hypotheses about cause and effect relationships in the environment
This can be covered in many other areas, see note to teachers above	K.1.1.C predicts the results of an observable cause and effect relationship in the environment
This can be covered in many other areas, see note to teachers above	K.1.1.D ask "what if" questions and explore multiple possible explanations
Kindergarten: Mathematics: Patterns and Classification and Measurement	K.1.2.A organize (e.g. sort, classify, sequence) and explore how objects, organisms, and events are measured according to different characteristics
Kindergarten: Mathematics: Measurement	K.1.2.B perform simple measurements using appropriate tools and devices
Kindergarten: Mathematics: Patterns and Classification	K.1.2.C compare observable characteristics of common objects (e.g. size, color, texture) for similarities and differences
Kindergarten: Mathematics: Measurement	K.1.2.D compare objects according to their measurement (e.g. larger than, heavier than)
This can be covered in many other areas, see note to teachers above	K.1.3.A offer explanations of observed events and evidence of event
This can be covered in many other areas, see note to teachers above	K.1.4.A communicate observations and comparisons through various means such as pictographs, pictures, models, and words
This can be covered in many other areas, see note to teachers above	K.1.4.B describe observations with pictures, pictographs, models, and words
This can be covered in many other areas, see note to teachers above	K.1.4.C describe similarities and differences of observations
Kindergarten: Mathematics: Patterns and Classification	K.2.A sort common objects (e.g. blocks, rocks, buttons) using specific properties such as shape, texture, color, patterns
Grade 1: Science: Matter	K.2.C describe or demonstrate how matter can be mixed or put together (e.g. mix different liquids and describe the results)
Kindergarten: History and Geography: Spatial Sense, Grade 1: History and Geography: Spatial Sense, Grade 1: Science: Habitats and The Earth	K.4.B identify major features of the Earth's surface (e.g. mountains, oceans, forests, deserts)
This can be covered in many other areas, see note to teachers above	K.5.A describe differences between natural objects and objects made by people
This can be covered in many other areas, see note to teachers above	K.5.B recognize how people use observation and prediction in their jobs
This can be covered in many other areas, see note to teachers above	K.5.D use tools and simple construction materials
This can be covered in many other areas, see note to teachers above	K.6.A know that in order to learn, it is important to observe the same things often and compare them
This can be covered in many other areas, see note to teachers above	K.6.B know that when experiments are repeated under the same conditions, similar results are usually obtained
This can be covered in many other areas, see note to teachers above	K.6.C know that in doing science it is often helpful to work with a team and to share findings with others