

Virginia's Foundation Blocks	MyTeachingPartner Math/Science	Meets/ Exceeds
Mathematics	Mathematics	
Number and Number Sense	Number and Number Sense	
1. Count with understanding, and use numbers to tell how many, describe, order, and compare	Verbally count 1 to 30. Recognize numerals 0-15. Demonstrate 1:1 correspondence with collections of 15 objects. Subitize sets up to 5.	EXCEEDS
Computation	Operations (Computation)	
2. Recognize change in groups (sets/collections).	Equally partition even numbers to 10. Combine and separate numbers up to 5. Examine and compare amounts with sets up to 7. Examine numerical relationships (one more and one less than a given number).	EXCEEDS
Measurement	Measurement	
3. Identify and compare the attributes of length, capacity, weight, time, and temperature.	Compare and order objects by length, using direct comparison and standardized units. Compare and order objects by weight, using direct comparison and standardized measurement. Make gross comparisons regarding area. Compare and order containers by volume.	EXCEEDS
Geometry	Geometry	
4. Describe geometric shapes (circle, triangle, rectangle, square); indicate position in relation to him/herself, and to other objects.	Recognize, label, and build straight and curved lines, circles, squares, rectangles, and triangles. Recognize spheres, cubes, cylinders and rectangular prisms and their relation to 2D shapes. Shapes considered in relation to common solids. Identify the relative position of shapes and objects.	EXCEEDS

Virginia's Foundation Blocks	MyTeachingPartner Math/Science	Meets/ Exceeds
Mathematics & Science	Mathematics & Science	
5. Data Collection and Statistics: Participate in data gathering process, to answer questions of interest.	Inquiry: Ask questions, Make predictions, Use all five senses to make observations, Use tools to conduct experiments, Collect and analyze data (comparing ordering, sorting, classifying), Draw conclusions, Communicate findings. Graph results and compare quantities.	EXCEEDS
6. Patterns and Relationships: Identify simple patterns of concrete objects and use them to recognize relationships.	Observe and describe simple patterns of concrete objects and use them to recognize relationships and classify objects. Extend and produce patterns. Begin to recognize cause and effect, and to make accurate predictions of same.	EXCEEDS
Science	Science	
Scientific Investigation, Reasoning, and Life Processes	Scientific Investigation, Reasoning, and Life Processes	
1. Make observations, separate objects into groups based on similar attributes, compare lengths and mass, and develop questions based upon observations using the five senses.	Inquiry: Ask questions, Make predictions, Use all five senses to make observations, Use tools to conduct experiments, Collect and analyze data (comparing ordering, sorting, classifying), Draw conclusions, Communicate findings.	EXCEEDS
Force, Motion & Energy	Physical Science	
2. Describe and categorize properties of materials using magnets.	Predict, observe and describe which types of objects can be affected by magnets. Predict, observe and describe the force (none, some, a lot) required to detach a magnet from an object.	EXCEEDS
3. Develop language to describe an object's position, movement and physical properties. Describe properties of water and its movement.	<p>Object Properties: Observe, describe, and classify objects according to material, color, size, shape, form (liquid/solid), and perceived weight. Identify which objects are living and which non-living. Apply knowledge of properties to select tools and materials for specific purposes.</p> <p>Physical Movement: Observe and describe the movement of objects that roll, spin, and rock. Predict, observe, and describe the effects of smooth/rough surfaces, and flat/inclined planes, on the sliding and rolling of an object. Predict, observe, and describe how to change the direction and speed of an object.</p> <p>Physical Change: Observe that solids maintain their shape, while liquids take the shape of their container. Observe and describe characteristics of water in liquid and solid (frozen) forms. Predict, observe, and describe the effects of different temperatures on ice. Predict, observe and describe the changes in texture, size, weight, and flexibility when different things of interest are soaked in water.</p>	EXCEEDS

Virginia's Foundation Blocks	MyTeachingPartner Math/Science	Meets/ Exceeds
Life Processes	Life Science	
<p>4. Compare the growth of a person to the growth of a plant and an animal to be able to describe basic life processes and basic needs of each.</p>	<p>Human Body: Know the names and functions of external body parts of humans and common animals. Compare and contrast different external human body parts. Understand how body parts can be used in different ways. Observe and describe own growth and the growth of plants, exploring similarities and differences. Use the five senses to make observations; move the body in different ways, for different purposes. Observe and describe how family members are alike and different; compare characteristics between families. Observe, describe, and compare human and animal behavior at night and during the day.</p> <p>Animal Life Cycle: Know the names and functions of external body parts of animals. Discuss animal habitat (land, water, sky) given the physical characteristics of animals. Predict animal habitat (land, water, sky) given the physical characteristics of animals. Recognize the differences and similarities among animals, and categorize them. Observe and describe how worms affect their environment. Observe and describe the characteristics of insects. Describe how insects develop (metamorphosis). Observe and describe life cycles of representative animal species found near school. Describe the different life cycles of different animals (those that lay eggs, those that have live-birth, those that undergo metamorphosis).</p>	EXCEEDS
<p>4. (CONTINUED) Compare the growth of a person to the growth of a plant and an animal to be able to describe basic life processes and basic needs of each.</p>	<p>Plant Life Cycle: Observe and communicate characteristics of plants and their environments. Know that different types of plants have different environmental requirements. Observe and describe what plants need to grow (light and water). Observe and describe the growth of plants that have been given differing amounts of light and water. Observe and describe the life cycle of plants</p>	EXCEEDS
Interrelationships in Earth/Space Systems	Earth Science	
<p>5. Be able to create a shadow.</p>	<p>Know that a shadow is created when light is blocked by an object; light does not shine through the object. Understand what determines the size, shape, and direction of a shadow. Manipulate the size, shape, and direction of a shadow.</p>	EXCEEDS

Virginia's Foundation Blocks	MyTeachingPartner Math/Science	Meets/ Exceeds
<p>6. Earth Patterns, Cycles, and Change: The child will identify simple patterns in his/her daily life. The child will identify things that change over time.</p>	<p>Weather: Describe what happens when the wind blows, and describe wind as moving air. Describe things that use wind. Describe what it means for wind to have power and direction. Describe different kinds of clouds. Describe cloud conditions as no clouds, some clouds, complete cloud cover. Describe cloudiness based on overall observations. Describe perceptions of snow and ice outdoors in winter.</p> <p>Day/Night: Describe different objects in the sky during the day and night (sun, moon, stars, clouds). Describe how the sun affects objects, animals, and people. Observe and describe objects that can be seen in the night sky. Observe and describe how many stars there are in the sky and what they look like. Observe and describe that the position of the sun slowly changes during the day. Observe and describe the gradual changes in the moon's appearance. Observe and describe the moon during the day. Know that some animals are active at night</p> <p>Earth Materials: Observe and describe the components of soil. Observe and describe the decomposition of plant materials to become organic components of soil. Observe the interactions of soil and water and compare to changes in the environment over time (erosion, sedimentation).</p>	<p>EXCEEDS</p>
<p>7. Resources: Practice reusing, recycling, and conserving energy on a daily basis.</p>	<p>Describe ways that waste can be treated: composted, recycled, re-used, and why it is important. Observe, describe, and classify things according to material. Observe and describe the effects of humans and other animals on the environment. Discuss ways of protecting the environment.</p>	<p>MEETS</p>
<p>Literacy</p>	<p>Mathematics & Science</p>	
<p>Oral Language</p>	<p>Oral Language</p>	
<p>1. Develop listening and speaking skills by communicating experiences and ideas through oral expression.</p>	<p>Throughout the mathematics and science activities, children are provided with encouragement and many opportunities to give voice to their predictions, questions, discoveries, and observations, as well as to listen to the predictions and discoveries of other children.</p>	<p>EXCEEDS</p>
<p>2. Develop an understanding of words and word meanings through the use of appropriate vocabulary.</p>	<p>Mathematics and science activity plans provide a 'Use the lingo' feature, to guide teachers on content language to model for the children. All activities provide teachers with strategies to scaffold children's language development.</p>	<p>EXCEEDS</p>
<p>Writing</p>	<p>Writing</p>	
<p>3. Write using a variety of media</p>	<p>Children use a variety of media, including drawings, selection/use of icons, shared writing, etc., to record predictions and observations, and to communicate their findings.</p>	<p>EXCEEDS</p>
<p>Print and Book Awareness</p>	<p>Print and Book Awareness</p>	
<p>4. Learn basic concepts regarding the printed word, front of the book, title, directionality, and turning pages one at a time.</p>	<p>MTP curricula incorporate weekly use of related children's books. The shared reading and discussion of these math- and science-related books serve as a springboard to other activities.</p>	<p>EXCEEDS</p>