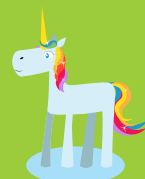


ST. GEORGE CHILDREN'S MUSEUM

DISCOVER • IMAGINE • CREATE



EDUCATIONAL GUIDE

KINDERGARTEN – 1ST

KIDS AT WORK ROOM

As the first room you see when you walk into the museum, our construction room has a variety of exciting and interactive exhibit features. Whether you choose to lift up the barrels on our pulley system, simulate an earthquake with our earthquake table, or play with marbles at our toddler marble maze, there's no question that you'll find an activity that is right for you! The construction room also offers a variety of educational opportunities for our visitors that fit the Utah State Common Core Standards and objectives for grades K-5. These standards, as applied to the museum, can be viewed under the Learning Resources tab on our website, and is titled "Education Guide." For a more thorough look at these standards, visit www.uen.org.

Prior to your visit, children should be introduced to basic shapes. During your visit, children will learn about 3-Dimensional shapes and how to stack and balance blocks. Students will also learn about the importance of having structurally sound buildings.

Science: Have the children take turns building small towers with the foam cinderblocks and bricks. Instruct the children to remove one of the lower pieces and see if the tower stays up. Explain how each piece of the structure works together, and how when one piece is removed, the structure does not work the same. They can also apply similar principles to building on the earthquake table. Use the wheels to shake the table and see what happens. What parts of the structure change, or are removed when shaken, and what is the result? **(UEN; Kindergarten; Standard 3, Objective 2)**

Language Arts: Have children work together to make up a story about a construction worker. Have them then pull out the major details and main points. **(UEN; Kindergarten; Reading: Literature Standard 3)**

Math: Instruct the children/students to use the foam bricks to make a tower 5-10 units high. As they place each block, have them count up from 100. **(UEN; First Grade; Standards 1.NBT.1, 1.MD.2)**

Social Studies: Use the wooden blocks to set up a "neighborhood" using single blocks as buildings. Ask the children what kinds of building are in their neighborhoods (houses, apartments, schools, stores, etc.) Ask what kinds of people we see in neighborhoods and their roles. **(UEN; First Grade; Standard 1, Objective 2)**

The purpose of these activities is to teach about structure and basic human needs while incorporating the Utah Core Education standards and objectives.



EDUCATIONAL GUIDE

KINDERGARTEN – 1ST

FARM ROOM

Our Farm Room is an engaging, interactive, and imaginative exhibit where visitors can be immersed in a room with all the features of a farm. Whether you choose to milk our cow, Maggie, collect and sell our chicken's eggs, creatively practice veterinary skills, or supply our grocery store across the street with fresh produce from the farm's garden, you will always be entertained and find an opportunity to learn. Our Farm Room provides a fantastic opportunity and experience to learn, grow, discover, imagine and create. The Farm Room also offers a variety of educational opportunities for our visitors that fit the Utah State Common Core Standards and objectives for grades K-5. These standards, as applied to the museum, can be viewed under the Learning Resources tab on our website, and is titled "Education Guide." For a more thorough look at these standards, visit www.uen.org.

Prior to your visit, children should be introduced to the process of plant growth as well as the benefits that come from produce and livestock. They should also be introduced to basic addition and subtraction. During your visit, the children will be introduced to the different types of plants and animals on a farm, including how they grow. The garden and cow serve as a way to show the materials animals and plants can provide when grown and cared for properly. They will also learn how farms work with grocery stores to make money and supply people with food. Note the placement of the farm and grocery store in the museum. You can use this to your advantage in teaching this principle as your children/students play.

Science: Science: Have children explain how they think plants get nutrients and water. Then explain that plants absorb nutrients from the soil and the sun while animals need to eat to get nutrients and water. Ask your child what different animals eat. **(UEN; First Grade; Standard 4, Objective 2b)**

Language Arts: Read or create a story to tell to your students/children about farming. Have them retell the story to a partner and pick out details that relate to the farm room. **(UEN; Kindergarten; Reading: Literature Standard 2)**

Math: Have the children count the eggs as they go down the chute. They can count by ones and tens. **(UEN; Kindergarten; Standard K.CC)**

Social Studies: Ask why we need farms and why people like farmers work. Ask what good farms can provide. Where does the food from farms go when it leaves the farm? Explain that people pay money for the food farmers grow because we need food and water to survive. **(UEN; First Grade; Standard 4, Objective 1)**

The purpose of these activities is to engage children in learning about farms while meeting different Utah Core Standards and teaching real life application.



EDUCATIONAL GUIDE

KINDERGARTEN – 1ST

TRANSPORTATION ROOM

We partnered with Stephen Wade Auto and SkyWest to bring you our Transportation Room! This room is an interactive and tactile museum experience that you don't want to miss! Visitors may choose from a variety of activities and use their imaginations to fix cars in our auto shop, fly airplanes with our model plane, or check airplane flights in and out on our conveyer belt and check-in kiosk. The sounds of airplanes and cars add to the overall experience you'd find in an auto shop or airport. The Transportation Room also offers a variety of educational opportunities for our visitors that fit the Utah State Common Core Standards and objectives for grades K-5. These standards, as applied to the museum, can be viewed under the Learning Resources tab on our website, and is titled "Education Guide." For a more thorough look at these standards, visit www.uen.org.

Prior to your visit, children should be introduced to how things move, and the jobs people can have that involve cars and airplanes. During you and your child will learn about the different parts of vehicles and how people can make money using these vehicles.

Science: Science: Discuss how different vehicles move. Ask students what would happen if cars did not have wheels or airplanes did not have wings. How would that affect the way the vehicle moves? Discuss other things that could change the way a vehicle moves. **(UEN; First Grade; Standard 3, Objective 1)**

Social Studies: Social Studies: Work together to identify the businesses (auto and air) in the room and describe their purpose and roles in a community. Have the children play with those roles and compare and contrast how the roles are different but similar to each other. **(UEN; Kindergarten; Standard 4, Objective 1)**

Math: Prior to your visit, introduce the concepts of time to your child/student. Upon arriving at the museum, look at the departing and arrival times on the board above the conveyor belt. Students can then take the numbers and use their skills in addition and subtraction, as well as their knowledge of times in hours and half hours to determine how long it takes to get from point A to point B in hours and half hours. **(UEN; First Grade; Strand: Measurement and Data 1.MD. 3; Strand: Operations and Algebraic Thinking, 1.OA. 1-7)**

Language Arts: Think together about different words that rhyme with parts of the airplane or car and count the syllables in each word. **(UEN; Kindergarten; Reading: Foundational Skills Standard 2)**

The purpose of these activities is to teach Utah Core Standards in a way that relates to real life experiences.



EDUCATIONAL GUIDE

KINDERGARTEN – 1ST

GROCERY STORE ROOM

The Children's Museum and Smith's Marketplace worked together to bring you one of our most popular rooms. Our Grocery Store Room makes shopping fun! This room offers a host of educational and imaginative opportunities to play and learn. The sky is the limit in this exhibit! Whether you're a baker, cashier, shopper, or shelve, there is always something to discover, imagine and create! Visitors can buy their groceries with play money, and, if needed, hop on over to the bank to pull out more! The Grocery Store allows adults and children to imagine and interact with their surroundings. The Grocery Store also offers a variety of educational opportunities for our visitors that fit the Utah State Common Core Standards and objectives for grades K-5. These standards, as applied to the museum, can be viewed under the Learning Resources tab on our website, and is titled "Education Guide." For a more thorough look at these standards, visit www.uen.org.

Prior to your visit, children should be introduced to how things move, and the jobs people can have that involve cars and airplanes. During you and your child will learn about the different parts of vehicles and how people can make money using these vehicles.

Science: Have children work together to sort the fruit and veggies using various criteria. Different ideas include: Sort all of the red fruits to one side, separate fruits and vegetables, or sort the produce based on size. Have the children describe to you why they sorted the ones they did. During your visit, help guide them by stating your expectations and scaffolding when needed. **(UEN; First Grade; Standard 3, Objective 2)**

Social Studies: Have the children work together to determine how they can be honest and show respect when at a store along with the consequences of being dishonest. Take turns sharing what they found while collaborating. **(UEN; Kindergarten; Standard 2, Objectives 1-2)**

Math: Instruct the children to gather a certain number of objects. Have them then add and take away items and decide how many they would be left with. They can also count their objects by tens. **(UEN; Kindergarten; Standards K.CC, K.OA)**

Language Arts : Have the children identify the food they are assigned to purchase using both the visuals and printed words on the canned foods. For example, give them a shopping list with only the titles of the food printed on the list and have them search for it in the grocery store room. **(UEN; First Grade; Reading: Informational Text Standard 6)**

The purpose of these activities are to show children the importance of knowing how to count money, follow given instructions, and behave in a public space. It also allows for application of Utah Common Core Standards in a real life setting in a way that encourages critical thinking.



EDUCATIONAL GUIDE

KINDERGARTEN – 1ST

BANK ROOM

In our mini rendition of Zions Bank, adults and children can play together as they reason with money. The Bank Room allows adults and children to imagine and interact with their surroundings. It also offers a variety of educational opportunities for our visitors that fit the Utah State Common Core Standards and objectives for grades K-5. These standards, as applied to the museum, can be viewed under the Learning Resources tab on our website, and is titled “Education Guide.” For a more thorough look at these standards, visit www.uen.org.

Prior to your visit, children should be introduced to the concepts of counting, numerical order, and know how to count by ones and tens. Introducing them to organization and sorting will also be helpful. During your visit, children can practice these and other skills like reading and conversation in our Bank Room. The Bank Room provides opportunities for children to count money by ones, fives, tens, fifties and hundreds. We also have an ATM. Caregivers can utilize the bank room by having the children exchange money.

Science: Look around the room to spot movement. See how many different kinds you can pinpoint. Is the motion straight, turn, pull, push, zig zag, fast, slow, back-and-forth? (**UEN; First Grade; Standard 3, Objective 1**)

Social Studies: Children can practice social studies concepts by integrating activities in the bank room and in the grocery store. The children can role play by withdrawing money from the bank cashier and paying for goods to meet their needs in the grocery store room. (**UEN; Kindergarten; Standard 4, Objectives 1-2**)

Math: Have the children count and place value with the money in the bank room. They can practice math concepts by withdrawing money from the bank and paying for goods at a set price. This gives them the chance to count money, practice making change, and use addition and subtraction principles. (**UEN; Kindergarten; K.CC 1-5; K.OA. 1-5**)

Language Arts: Have children engage in conversations regarding money. Have them talk with the banker as a customer, or act as the banker. The goal of this activity is to get them talking to build their social skills (**UEN; First Grade; Reading: Foundational Skills Standard 2**)

The purpose of these activities are to teach Utah Core Standards by using money and numbers in a real life setting.



EDUCATIONAL GUIDE

KINDERGARTEN – 1ST

COMMUNICATION ROOM

The Communications Room is a perfect exhibit for our little actors' and actresses'! The theatre is a mini-version of Southern Utah's Tuachan, where visitors can play music, sing along, and dance on a real stage! The Communications Room is marked by a light up neon sign, and has letters to spell out your name or the name of your performance to let others know that they can come and see you perform! If musicals aren't your thing, you can head on over to our radio and production booth, sponsored by Cherry Creek Media. There, you have a chance to take on a part behind the scenes. Choose the music played and have control of the stage lights! This room provides a spacious area to discover, imagine, create, and express who you are through the theatrical arts! The Communications Room also offers a variety of educational opportunities for our visitors that fit the Utah State Common Core Standards and objectives for grades K-5. These standards, as applied to the museum, can be viewed under the Learning Resources tab on our website, and is titled "Education Guide." For a more thorough look at these standards, visit www.uen.org.

Prior to your visit, children should be introduced to solving word problems and analyzing stories and music. During your visit, children can practice concepts in the theater room by using melodies to tell stories through expressive dance. Children/students will also gain a deeper understanding of Math and English Language Arts.

Science: Divide the children into small groups and dance like a species of animal with key characteristics of that species. (UEN; Kindergarten; Standard 4, Objective 2)

Social Studies: Have the children pretend they are in different geographic locations (mountain, lake, hill, etc.) and demonstrate what kinds of activities are done in each location. (UEN; Kindergarten; Standard 3, Objective 1)

Math: Give your child/student a simple word problem to work out, act out and then solve. (UEN; First Grade; Standards 1.MP.1, 1.OA all)

Language Arts: Teach children that lyrics to songs usually tell a story. The caregiver or child can pick a song to play over the speakers. Have the children analyze the meaning behind the lyrics. (UEN; First Grade; Reading: Literature Standards 2-3)

The purpose of these activities are to use fine art and music as elements of learning. They teach Utah Core Standards that allow for expression, collaboration and interaction.



EDUCATIONAL GUIDE

KINDERGARTEN – 1ST

PREHISTORIC ROOM

Take a step into the prehistoric past when you enter our Prehistoric Room! Climb on roaring dinosaurs, or move through our volcano, but make sure to escape before it erupts by riding on our log slide! Visitors can practice paleontological skills by digging through the sand to find dinosaur eggs, footprints, and fossils! Whatever you choose to do in the Prehistoric Room, you are sure to learn a lot from this blast into the past! The prehistoric room also offers a variety of educational opportunities for our visitors that fit the Utah State Common Core Standards and objectives for grades K-5. These standards, as applied to the museum, can be viewed under the Learning Resources tab on our website, and is titled “Education Guide.” For a more thorough look at these standards, visit www.uen.org.

Prior to your visit, introduce children to the ideas of key and supporting details in a text and how to explain or summarize the story. Reading a book with characters that fit the theme will help lead into the lesson. Introducing children to the mathematical concepts of counting, cardinality, and attributes are also important. During your visit, introduce children to the prehistoric room after establishing prior knowledge and experiences.

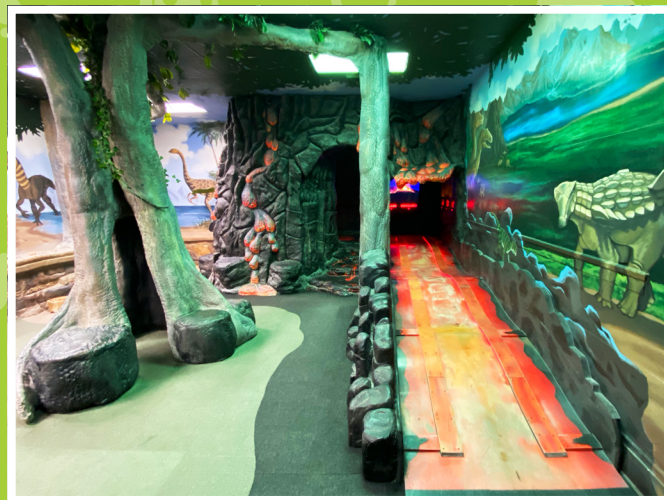
Science: Use the dinosaur eggs in the corner of the room to teach the children you are with about the life cycles of living things. **(UEN; First Grade; Standard 4, Objective 2)**

Social Studies: Ask the children what differences they see between each dinosaur (color, size, horns, etc.) Ask if it is good or bad that they are all different. Would the room be boring if every dinosaur looked the same? Explain how the same idea applies to people—differences are good! **(UEN; Kindergarten; Standard 1, Objective 1)**

Math: To have the children practice math concepts, have them count the number of dinosaurs in the room. The prehistoric room provides smaller dinosaurs in our sand area, as well as larger models that children can climb on. Introducing counting and the concepts of attributes are important as the children will include the bigger dinosaurs in their count. **(UEN; Kindergarten; K.CC. 4- K.CC. 5)**

Language Arts: Reenact a story about dinosaurs that was read to them prior to the field trip in class. **(UEN; First Grade; Reading: Literature Standards 1-3)**

The purpose of these activities is to teach Utah Core Standards through creative thinking and exploration.



EDUCATIONAL GUIDE

KINDERGARTEN – 1ST

DESERT DISCOVERY ROOM

Our Desert Discovery Room offers a chance to explore the desert habitat without getting hot! You can do anything from listen to a coyote howl, examine endangered fish swim, crawl through a small mine, or use our conveyor belt to transport the mine's contents. There are endless learning opportunities in this room when you use your imagination and creative capacities. The desert room also offers a variety of educational opportunities for our visitors that fit the Utah Common Core Standards and objectives for grades K-5. These standards, as applied to the museum, can be viewed under the Learning Resources tab on our website, and is titled "Education Guide." For a more thorough look at these standards, visit www.uen.org.

Prior to your visit, children should be introduced to different habitats, including the wildlife found in different habitats. They should also be introduced to maps. During your visit, children will learn about the desert environment, making observations and how to create a simple map.

Science: Ask the children what the environment in the room is. Instruct them to then go under the bridge into the dark cave and ask about the environment again. Ask how daytime and nighttime are different. **(UEN; Kindergarten; Standard 2, Objective 2)**

Language Arts: Put the children into small groups. Assign each group a different desert animal. Have them create a short story about their assigned animal to share with the class. After stories have been told, ask if they notice any similarities between the several stories. **(UEN; Kindergarten; Reading: Literature Standard 9; Informational Text Standards 1-3)**

Math: Using the rock pulley, have students count as a class each rock that comes out of the wood bucket into the metal container. Count starting at a number higher than 50. **(UEN; First Grade; Standard 1.NBT.1)**

Social Studies: First, have your child explore the desert room and interact with their surroundings. Have them take note of the colors, objects, and playthings in the room. Then, have them create a map of the room that contains cardinal directions, landmarks, a map title, key/legend, and labeled points. Have them draw important parts of the room (the conveyor belt, the toddler area, the bat cave, etc.) **(UEN; First Grade; Standard 3, Objective 2 & Fine Arts 1. V. CR. 1)**

The purpose of these activities are to teach different Utah Core Standards through the environment, while encouraging exploration and practicing basic skills.



EDUCATIONAL GUIDE

KINDERGARTEN – 1ST

SPORT ROOM

Our Sports Room offers an area to get the jitters out! Exercise your arms and legs by climbing on our rock wall, or get your heart pumping on our child sized elliptical. Then, check out how exercise affects your body with our Heart Rate Discovery Monitor! The Sports Room also offers a variety of educational opportunities for our visitors that fit the Utah Common Core Standards and objectives for grades K-5. These standards, as applied to the museum, can be viewed under the Learning Resources tab on our website, and is titled “Education Guide.” For a more thorough look at these standards, visit www.uen.org.

Prior to your visit, children should be introduced to the idea of being healthy, including eating right and exercising. During your visit, children will learn about different ways to be healthy and the importance of having a healthy heart. They will also exercise their mind while learning about the scientific method, addition and neighborhood roles.

Science: Ask the children what they think will happen if they exercise. Have them then choose an activity in the room that will increase their heart rate (individually or in small groups). After, ask them if they notice any differences in how they feel now versus before they exercised.

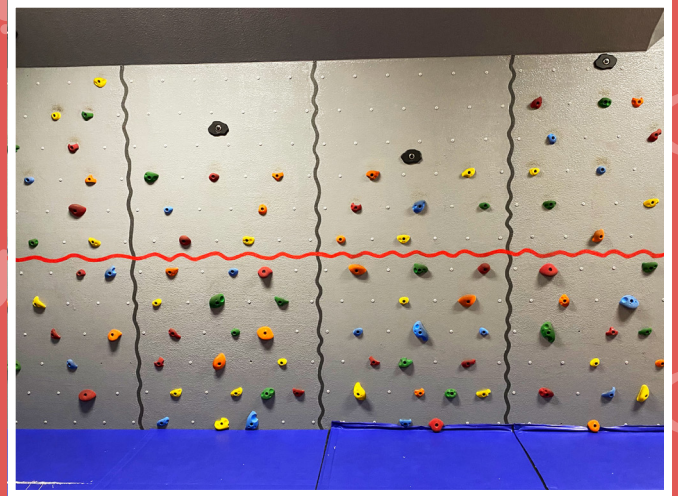
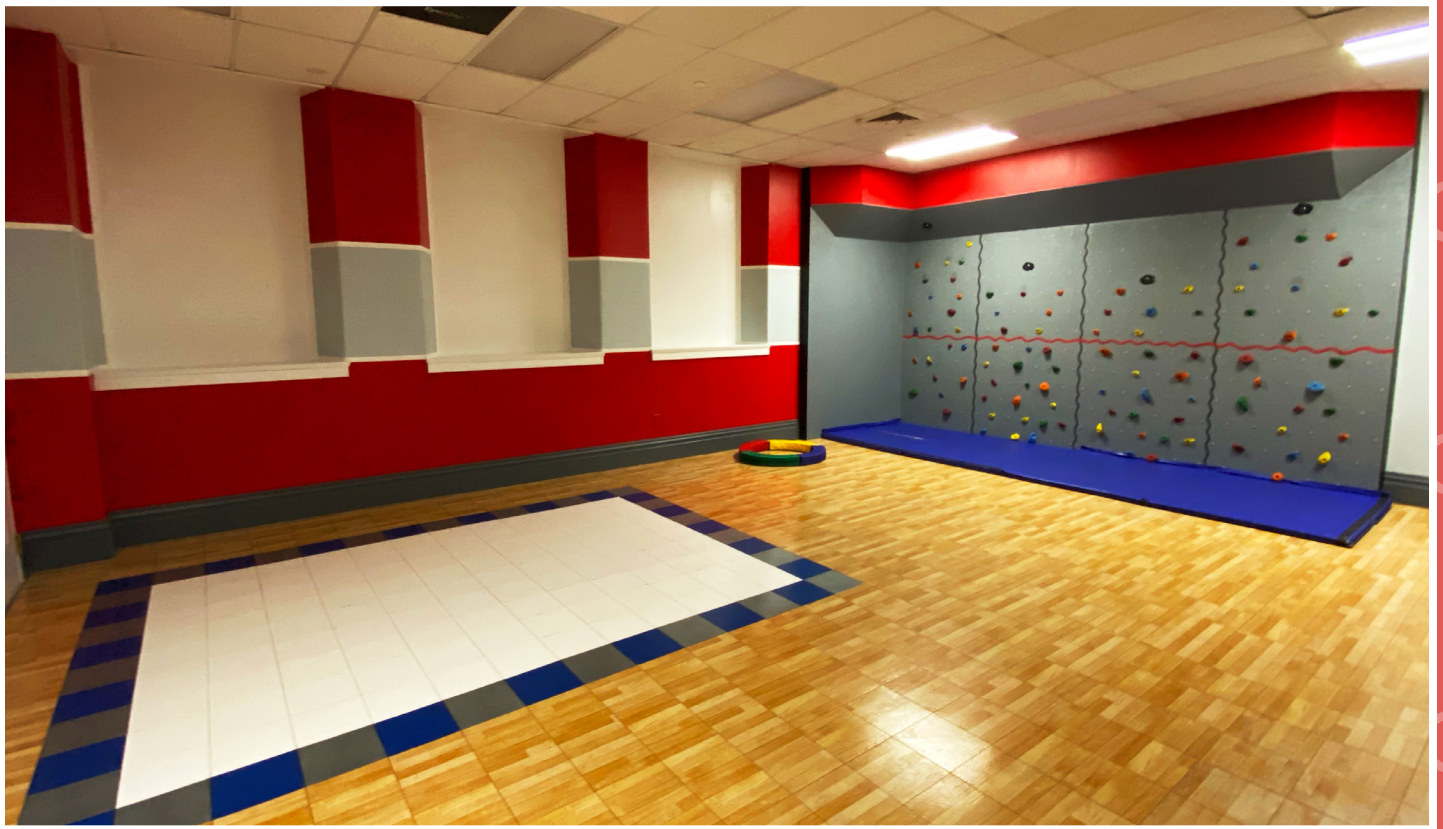
(UEN; Kindergarten; Standard 1, Objective 1)

Language Arts: What words do you see in this room? Help your children/students to recognize and name all upper- and lowercase letters of the alphabet. **(UEN; Kindergarten; Reading: Foundational Skills Standard 1)**

Math: Ask how many of each color rocks are on the climbing wall. Have them count each rock they grab onto. How many groups of tens are there? **(UEN; Kindergarten; Standard K.CC.1, K.CC.5)**

Social Studies: Create active motions your child can do for a few of the following: police officer, grocer, mechanic, miner, farmer, doctor, etc. When you call out a role like, “Police!” all the students should stop walking and do the motion for the called role. **(UEN; First Grade; Standard 1, Objective 2)**

The purpose of these activities is to teach different Utah Core Standards in a way that encourages exercise and activity individually and in small groups.



EDUCATIONAL GUIDE

KINDERGARTEN – 1ST

MUSIC ROOM

Our Music Room hosts a handful of musical opportunities for all of our visitors to enjoy. Music is taken to new heights as children are able to play music via invisible strings on our harp, or stomp on our giant piano. All of our guests, big or small, can explore the concepts of rhythm and sound. The music room also offers a variety of educational opportunities for our visitors that fit the Utah Common Core Standards and objectives for grades K-5. These standards, as applied to the museum, can be viewed under the Learning Resources tab on our website, and is titled “Education Guide.” For a more thorough look at these standards, visit www.uen.org.

Prior to your visit, the children should be introduced to the basic concept of music, including some common instruments. The children should also be introduced to the importance of music and how it affects individuals and groups. During your visit, the children will learn more about the importance of music. The children will also learn about how music impacts people.

Science: Using the pipe instrument, have the children come up with different ideas of how the instrument might make noises. Have them share their ideas with their classmates. **(UEN; First Grade; Standard 1, Objective 1)**

Social Studies: Tell the story of how the National Anthem was created. Ask how they think this piece of music has changed and affected the United States of America and its citizens. You could also talk about your child's school's song (if applicable) and discuss its meaning and impact. **(UEN; Kindergarten; Standard 2, Objective 3)**

Math: Instruct the children to count the number of keys on a piano. How many white keys? How many black keys? How many keys total? **(UEN; Kindergarten; Standard K.CC. 1-2)**

Language Arts: Have children share stories about how music has affected them or about a family member that plays an instrument. Ask them to tell their story in just a few key details. **(UEN; Kindergarten; Reading: Literature Standard 1)**

The purpose of these activities is to teach different Utah Core Standards in a way that introduces music in a new and fun way while encouraging individual and group exploration, as well as critical thinking.



EDUCATIONAL GUIDE

KINDERGARTEN – 1ST

ART ROOM

Our Art Room allows visitors to discover, imagine, create, and manipulate the concepts of art and color theory. This exhibit has numerous opportunities for entertainment and creative learning. Visitors can choose to familiarize themselves with shapes, light, designs, patterns, and colors with our magna-tiles and geoforms and different hands on activities. Big or small, guests can always find something to do! The art room also offers a variety of educational opportunities for our visitors that fit the Utah Common Core Standards and objectives for grades K-5. These standards, as applied to the museum, can be viewed under the Learning Resources tab on our website, and is titled “Education Guide.” For a more thorough look at these standards, visit www.uen.org.

Prior to your visit, introduce the children to the math concepts of attributes, shapes, flat surfaces, 3D surfaces, and sizes. During your visit, children will have the opportunity to play with geoforms. To make it a meaningful educational experience, have them identify the different attributes of geoforms, and/or identify whether the geoform is in a 2D or 3D formation.

Science: Have small groups take turns sorting the see-through blocks by shape and/or color.

(UEN; First Grade; Standard 3, Objective 2)

Social Studies: Discuss all the places we see art each day (cartoons, paintings, photographs, etc.) Ask the children what kind of careers artists can have. **(UEN; Kindergarten; Standard 4, Objective 2)**

Math: Using the magna-tiles, have children identify defining attributes of each of the different shapes. Ask how the shapes can combine to make new, bigger shapes.

Repeat with the 3D blocks. Explain the difference between 3-Dimensional shapes and 2-Dimensional shapes. **(UEN; First Grade; Standard 1.G.1-3)**

Language Arts: Talk about the life story of a famous artist. After, ask the children to pick out key details and people. **(UEN; Kindergarten; Reading: Literature Standards 1-3)**

The purpose of these activities are to promote creativity while teaching several Utah Core Standards through shapes, color, and art.



EDUCATIONAL GUIDE

KINDERGARTEN – 1ST

SCIENCE ROOM

Our Science Room contains numerous and exciting features for visitors to explore. Whether you want to explore Tesla's plasma globe, research how tornadoes form, manipulate magnets, learn about states of matter, or discover the anatomy of the human body, you'll always find an opportunity to learn. The Science Room also offers a variety of educational opportunities for our visitors that fit the Utah Common Core Standards and objectives for grades K-5. These standards, as applied to the museum, can be viewed under the Learning Resources tab on our website, and is titled "Education Guide." For a more thorough look at these standards, visit www.uen.org.

Prior to your visit, children should be introduced to the basic concepts of light, wind electricity, and magnetic force. During your visit, children will see and interact with examples of the above topics.

Science: Using the tornado, explain how wind changes and moves things on the planet. Ask about how strong wind would have to be to move different sized objects. Ask what other kinds of weather we can see when it is a stormy wind (clouds, rain, snow, etc.) Ask if anyone has experienced a strong wind. **(UEN; Kindergarten; Standard 2, Objective 3; Standard 3, Objective 1)**

Social Studies: Use the instructions provided near the tornado to demonstrate the importance of following rules. Discuss why it might be important to follow the rule to only feel with your hands, and not to climb inside. Why might it be important to practice good citizenship and follow the rules wherever you go? **(UEN; First Grade; Standard 2, Objective 1)**

Math: Using the magnetic pieces, give students a number higher than 10. As a class, make groups of 10 with the magnetic sticks and add single sticks to complete the number. Explain how bundles on ten ones can be called a "ten". **(UEN; First Grade; Standard 1.NBT.2)**

Language Arts: Talk about electricity both inside and outside of our bodies. Use the Plasma ball to show how energy is transferred. Ask the children who have experienced lightning to tell a story about what it was like. Ask those listening to explain key points and similarities they noticed in the story. **(UEN; Kindergarten; Reading: Literature Standard 9; Informational Text Standards 1-3)**

The purpose of these activities is to teach the Utah Core Standards through exploration, critical thinking and being cooperative in a group.

