

ST. GEORGE CHILDREN'S MUSEUM

DISCOVER • IMAGINE • CREATE



EDUCATIONAL GUIDE

2ND – 3RD

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 situations that require critical thinking. Make sure they are familiar with concepts like simple physics and objects in motion and measurements like area and perimeter. During your visit, children will have the opportunity to put these concepts into practice by experimenting with them hands on. They will also be able to stretch their current understanding of their environment.

Science: This room is perfect for those seeking to learn about movement, force, and simple machines. Ask the children what kinds of forces they can set in motion in this room. Direct them to the ropes. Do you push or pull on them to move the barrels? Teach the children that simple machines like pulleys and levers are used in this activity. What other simple machines can be spotted around the room? **(UEN; Third Grade; Standard 3, Objective 1)**

Language Arts: You can integrate this with the social studies objective (see below) by having children predict why people alter their land, who physically alters the land, when people alter land, what tools we use to change the physical environment around us and how we do it. This can be an opportunity for children to look at the details to make conclusions. Following your visit, work together to write a short story explaining the topic. **(UEN; Second Grade; Language Arts, Writing Standard 2)**

Math: Build a Roman arch using the exhibit in the corner of the room. Once it is complete, take its measurements. Find its perimeter, its length, width and height. Can you also find its area? If you don't have a ruler or tape measure, use something you know the length of to estimate. **(UEN; Third Grade; Standard 3.MD.8)**

Social Studies: First, have the children observe the crane machine and pay attention to the details inside (a construction site). Pose the essential question: Why do humans alter their environment? Guiding questions can include why a construction site could be built, what tools are required, and what types of buildings or settlements are built and how do they serve to meet human needs. They can then experiment and play an active role with the crane game where they come up with a building that they can build, while meeting the criteria of: what is it for, how will it serve human needs, how long will it take to build, etc. **(UEN; Second Grade; Standard 3, Objective 1c)**

The purpose of these activities is to teach Utah Core Standards in a way that helps children think critically through questions.



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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 concept of producing and consuming. Give the children a good background of fractions before coming to the museum, as well as $>$, $=$, and $<$ symbols. During your visit, children will learn about the sun as a heat and light source, expand their knowledge of fractions and comparisons, and sharpen their storytelling skills.

Science: Gather the children and have them look around the room. Discuss the many ways the sun affects the plants and animals that live on a farm. Ask the children what would happen to the plants and animals if they didn't have sunlight. Have them apply the same discussion and concepts to themselves. Help the children understand that the sun is both a heat and a light source to the Earth. **(UEN; Third Grade; Standard 5, Objective 1)**

Language Arts: Ask the children if they have ever seen a farm animal before. Have them recount their experience. If they haven't, have them use their imagination to tell a story of theirs or someone else's experience on a farm. Have them focus on recounting the story in detail, using clear speech with complete sentences, and making sure everyone can hear. **(UEN; Second Grade; Speaking and Listening Standard 4)**

Math: Gather together some vegetables from the grocery store to plant in the garden. Use the vegetables you gathered to compare quantitatively as fractions. Then use symbols like $<$, $=$, or $>$ to determine whether there are equal amounts, or greater/less amounts of one vegetable than the others. **(UEN; Third Grade; Standard 3.NF.3.D)**

Social Studies: Discuss the difference between producers and consumers. Ask children who are consumers to raise their hands. Ask what kinds of things they consume (food, clothes, etc.) and ask who produces those things. Ask what kinds of goods and services a farm provides. **(UEN; Second Grade; Standard 4, Objective 1)**

The purpose of these activities is to teach Utah Core Standards in a way that relates to real life and encourages children to make new connections in their lives.



EDUCATIONAL GUIDE

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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, introduce children to the concepts of gravity, different shapes and idioms. During your visit, children will examine the different shapes found in everyday objects. They will also begin to grasp literal and nonliteral meanings of words and phrases, and learn how to be responsible and respectful citizens.

Science: What effect does gravity have on an airplane? Explain that without the forces of lift, thrust, drag, and weight, keeping it in the air, it would fall to the ground. Ask the kids other questions about gravity. If a car was on an incline, and no one was pressing the gas, what would happen? **(UEN; Third Grade; Standard 4, Objective 2)**

Social Studies: Ask how we can be good citizens when we drive (follow driving laws, look both ways, etc.). Then ask how we can be good citizens on an airplane (do not yell, be kind to other people on the plane, etc.). Discuss what would happen if people did not obey road laws. What other laws or rules are important to obey? What rules does the museum have? How do we exercise good citizenship while in the museum? **(UEN; Second Grade; Standard 2, Objective 1)**

Math: Work with your children to notice the different shapes found on a car and airplane (circle tires, triangle and rectangle wings, etc.) as well as the size of the shapes. Ask what would happen if the tires on a car or the wings of a plane were two different sizes. Would the vehicle still work properly? **(UEN; Second Grade; Standard 2.G.1)**

Language Arts: Talk about idioms with your child. Distinguish differences between literal and nonliteral meanings of phrases. Talk about examples with your child. Some transportation-themed examples include: (to) send flying, all hands on deck, fork in the road, go the extra mile, etc. **(UEN; Third Grade; Language Standard 5a)**

The purposes of these activities are to teach Utah Core Standards in a way that introduces children to several real life situations.



EDUCATIONAL GUIDE

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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 simple counting and reading skills as well as the concepts of goods and services and living and non-living things. During your visit, children will identify living and nonliving things, how goods and services differ, and will be able to use mathematics to understand quantities.

Science: Have the children identify characteristics of the items in the grocery store. Go to the produce section. Are these items living or nonliving? (Growth, movement and reproduction are characteristics of living things.) Ask the children what nonliving things are like and have them identify non-living things throughout the grocery store. **(UEN: Third Grade; Standard 2, Objective 1)**

Social Studies: Discuss the difference between a good and a service. Ask how goods and services can be paid for (cash, checks, cards, etc.). Ask the children what they want to be when they grow up. Will they be producing goods or performing a service? **(UEN; Second Grade; Standard 4, Objective 1)**

Math: As you go through the grocery store, have your child use mathematics to make sense of quantities. Count the groceries and calculate the prices. Have your child use their imagination to come up with the prices, but to use cash from the ATM to resolve the payment. Make sure the prices they decide and the money from the ATM matches up. **(UEN; Third Grade; Standard 3.MP.2)**

Language Arts: Have the children practice reading by trying to sound out the words on each package in the grocery store. Encourage them to use the pictures on the packaging if they cannot sound out the words. **(UEN; Second Grade; Language Standard 4a)**

The purpose of these activities is to teach the Utah Core Standards through play and exploration in a real life setting.



EDUCATIONAL GUIDE

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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 force and rounding numbers. During your visit, children will seek to enhance their communication skills and think about different perspectives.

Science: Use the pneumatic tube in the bank room as an opportunity to teach about forces. If you put the money in the tube without pushing the button to apply the force of air, nothing will happen. If the button has been pushed and the money is still not moving, put your hand over the hole, to enhance the forces. Watch the money as it shoots up toward the ceiling, around the room, and into the basket behind the desk! **(UEN; Third Grade; Standard 3, Objective 1a)**

Social Studies: Take a look at them money in the Bank Room. Who is on it? In this case, it is Rufus, our mascot, but do the children know whose faces are on real money? Talk about historical figures with them. Why are they placed on the money? What role do they play in history and why are they seen as a historic symbol in the United States? **(UEN; Second Grade; Standard 2, Objective 3)**

Math: Use the money from the bank or ATM to practice rounding numbers. After every child has some money, have them take turns rounding the numbers to the nearest ten or hundred. If the child has 375 dollars in their hand, have them round to 400. If they have an easier number like 140 in their hands, have them round up to 200--still the nearest hundred. **(UEN; Third Grade; Standard 3.NBT.1)**

Language Arts: Utilize the bank room in teaching literature to children! Take this time to compare and contrast different perspectives in the same scenario. For example, with an interaction between the banker and the customer, there are two sides of the same story. Work with your child/student to distinguish these two stories or how they might be told differently. **(UEN; Second Grade; Reading: Literature Standard 9)**

The purpose of these activities is to teach the Utah Core Standards through play and exploration in a real life setting.



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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 concepts like: electricity, different shapes and storytelling. During your visit, children will build upon each of these basic concepts.

Science: In the theater room, there are big, bright lights that shine onto the stage so that audiences can see performers better. Talk about how these lights work. Explain how electricity produces this light. Give the kids the opportunity to adjust the electrical power of the lights to make them brighter or dimmer. **(UEN; Third Grade; Standard 5, Objective 2)**

Social Studies: Give children an opportunity to tell a story about a tradition their family practices. Explain that there are many different cultures and each culture has different traditions. **(UEN; Second Grade; Standard 1, Objective 1)**

Math: There are a lot of shapes to be found in the theater room! See which ones you can discover! Help your child to identify the names of the shapes once they are found. Are there any polygons (three sides)? Are there quadrilaterals (four sides)? **(UEN; Third Grade; Standard 3.G.1)**

Language Arts: Have the children choose a song to play. Have them analyze the meaning behind the lyrics. Talk about how that song makes them feel. Talk together about the power of music to tell a story and affect the listener. **(UEN; Second Grade; Listening and Speaking Standard 5)**

The purpose of these activities is to teach Utah Core Standards in a way that encourages group work and sharing ideas and stories.



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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 matter, categorization, fractions and capitalization of proper nouns. During your visit, children will build upon these topics as well as learn about how rocks change over time and how to be a good citizen.

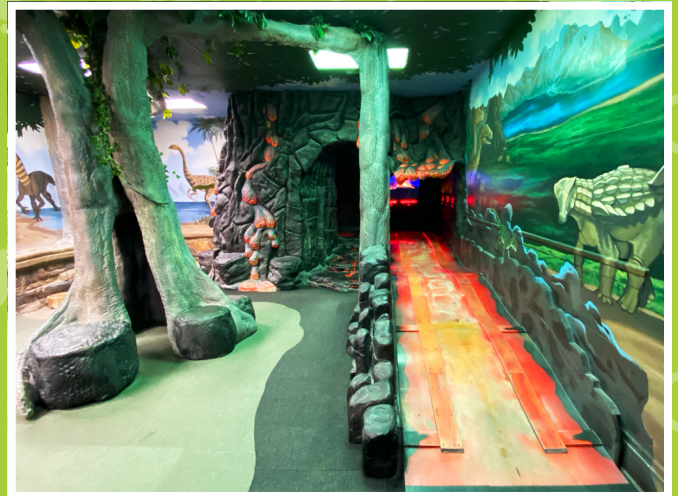
Science: Have the children recall a time they saw a rock as big as their hands. Ask them how they think big rocks turn into smaller rocks and eventually sand. Explain the process, then let each child take a turn digging in the rocks using the provided tools. Ask if they see rocks of different sizes and colors. Discuss how rocks can change shape and size, but their matter will always exist. **(UEN; Second Grade; Standard 2, Objective 1 & Standard 3, Objective 2)**

Social Studies: If dinosaurs were alive today, what would we need to do as responsible citizens to ensure that we respected them? (Ex: We wouldn't trash their living space.) What kinds of things can we do as responsible citizens in the places we go every day? (Ex: schools, homes, churches, shops, etc.) **(UEN; Second Grade; Standard 2, Objective 1)**

Math: Count up the dinosaurs in the corner exhibit to find the total. Then, separate them into categories. How many of the total have spikes? How many stand on four legs? How many stand on two legs? How many are orange? Express all of these as fractions. **(UEN; Third Grade; Standard 3.NF.3.D)**

Language Arts: Talk together with your child about what they see in this room. Discuss together which objects/things would need to be capitalized. Ask them why? If they aren't sure, explain that names are capitalized. If we were talking about dinosaurs or volcanoes in general, we would not capitalize the word, but if we were to use its name, we would capitalize it. What else might we capitalize/not capitalize? **(UEN; Second Grade; Language Standard 2)**

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



EDUCATIONAL GUIDE

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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 conveyer 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 habitats and fractions. During your visit, children will learn about different kinds of habitats and what kind of life requires sunlight to survive. They will also discuss different kinds of animals that are nocturnal.

Science: Discuss with the children the types of animals and plants that need light to survive. Also discuss nocturnal animals. Many desert animals are nocturnal, but an equal amount of life in the desert requires sunlight to survive. Start a game where the children look at the paintings and exhibits around the room and categorize each animal or plant as needing sunlight or being nocturnal. **(UEN; Third Grade; Standard 5, Objective 1)**

Math: Clear out the rocks from the tin at the end of the pulley where the rocks drop. Then, have your child count how many rocks they can make land in the tin bucket. When you are done, show them that even whole numbers can be expressed as a fraction. For example, if they got 10 in the bucket, 10 can be expressed as $10/1$. This is true for any other whole number. **(UEN; Third Grade; Standard 3.NF.3.C)**

Science & Language Arts: Ask your child what they know about the desert and the kinds of animals that live there. Could those desert animals live in the ocean or the jungle? What do desert plants and animals have that help them to live in extreme heat? Following the trip to the museum, children can write an informative/explanatory text about the desert biome such as the plants and animals and how they survive in the biome. (Sentence frames like: The [insert animal name here] can survive in the [insert habitat name here] because it has [insert adaptation/external feature]. The [adaptation] allows the animal to survive because [insert explanation here].) **(UEN; Second Grade; Science Standard 4 & Language Arts: Writing Standard 2)**

Social Studies: Discuss what kinds of habitats your state has. Ask how they can help protect the wildlife in their city. **(UEN; Second Grade; Standard 3, Objective 2)**

The purpose of these activities is to teach Utah Core Standards in a way that encourages children to recall and use previously learned skills as well as developing new skills.



EDUCATIONAL GUIDE

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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 simple division. During your visit, they will learn about objects in motion, and community symbols through playing games.

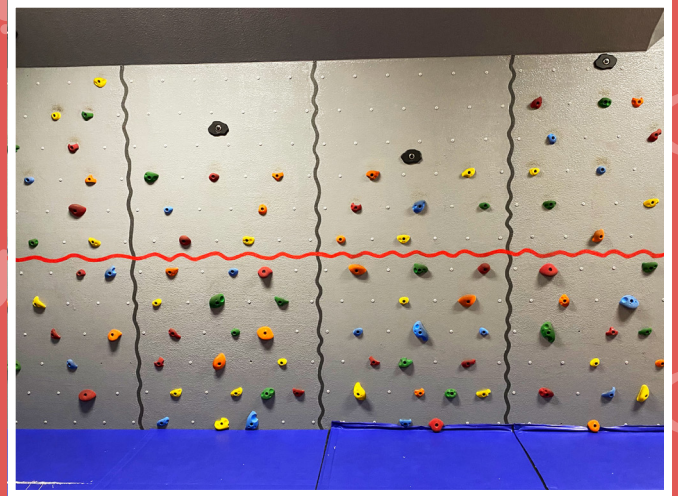
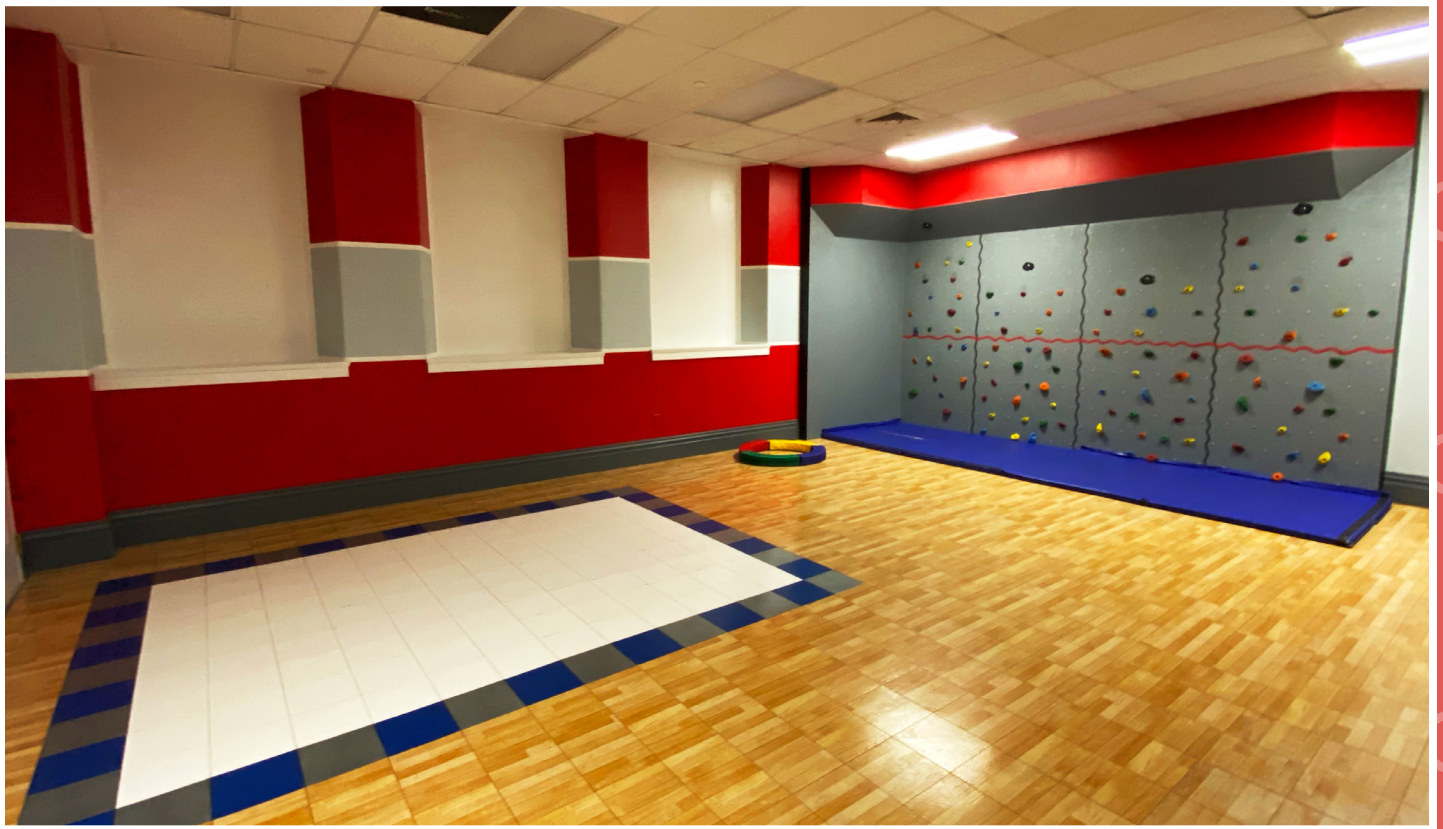
Science: Use the basketball exhibit to discover more about objects in motion. Compare and contrast the effects of dropping a basketball versus shooting it into the hoop. What other observations can you make about gravity? **(UEN; Third Grade; Standard 4, Objective 2b)**

Language Arts: In third grade, children learn about linking words and phrases (e.g., because, therefore, since, for example, etc.) Exercise and an increased heart rate, is an example of cause and effect. Have your child practice using these linking words to connect the activity with its results. **(UEN; Third Grade; Writing Standard 1)**

Math - If you are here as a group, divide up into teams to play games. If there are 14 of you and you want two different teams, ask your child how many people would be on each team. Help your child understand that they can use division to calculate the answer to this problem. **(UEN; Third Grade; Standard 3.OA.2)**

Social Studies - Play red light-green light. Have everyone start on one wall (except the caller) and have them move towards the opposite wall as they play. This will teach children common symbols within a community. **(UEN; Second Grade; Standard 3, Objective 1)**

The purpose of these activities is to teach Utah Core Standards through activity and movement.



EDUCATIONAL GUIDE

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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 orbits, fractions and the concepts of producing and consuming. During your visit, children will learn how these concepts and music work together.

Science: The moon orbits around the sun approximately every 28 days. Use the pipe instrument in the center of the room to experience what it is like to orbit around something. Have the children “orbit” the pipes 13 times. Explain to the children that this is how many times the moon orbits the earth in one year. This happens all while the Earth orbits the Sun once every 365 days. Ask the children whether they think this is a slow or fast process. **(UEN; Third Grade; Standard 1, Objective 2)**

Math: Take a look at the sheet music on the piano in the music room. At the beginning of every song there are some numbers that look a lot like a fraction. Some say $\frac{3}{4}$; others say $\frac{4}{4}$. Write equivalent fractions to the ones you find. For example, you can write $\frac{3}{4}$ as $\frac{6}{8}$ or $\frac{9}{12}$. **(UEN; Third Grade; Standard 3.NF.3.B)**

Language Arts & Social Studies: Introduce children to the concepts of producing and consuming. Discuss how musicians deliver services- Have them 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; Second Grade; Literature Standards 3, 5, 6 & Social Studies Standard 4, Objective 2)**

The purpose of these activities is to teach Utah Core Standards by showing how music can affect people's lives.



EDUCATIONAL GUIDE

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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 children to shapes, the sun and moon, and the concept of writing a lab report. During your visit, children will exercise their creative abilities while connecting them with Utah Common Core Standards.

Language Arts: Have children create a so-called “lab report” where they sequentially describe their actions in the art room. This activity can be integrated with both the math and science core as a way to describe how they created the shapes they did using the geoforms. The way it connects to the math core is by writing a “lab report”, they are able to make connections to what they learned prior about attributes and how they applied it during exploration time over the course of the field trip. This can be used as both a formative and/or summative assessment. By writing a “lab report”, they will have the opportunity to communicate their findings and their method of experimenting and learning to others. **(UEN; Second Grade; Writing Standard 3, Math 2.G.1 & 2.G.3 & Science Standard 1, Objectives 1 & 2)**

Social Studies: Ask what kind of services and goods artists provide (TV, cartoons, books, wall art, etc.). Ask if they think art is important and why. **(UEN; Second Grade; Standard 4, Objectives 1 & 2)**

Math: Shapes are a big part of both art and math! Can you identify any shapes in this room? Do you see any rectangles? What about squares? Rhombuses? Do any of them fit under a larger category like quadrilaterals (having four sides)? Now, that you have identified some around the room, create your own using the magna-tiles! **(UEN; Third Grade; Standard 3.G.1)**

Science: Talk about what the moon and sun look like. Talk about their shapes, their colors, and other characteristics. Can the children create something that looks like the moon or the sun with what is in this room? Encourage them to think creatively. Can they use the sequin boards, the magnet game, magna-tiles, or draw or weave their own sun or moon? Remind them that it doesn’t have to look identical. Have them use their imagination, based on the knowledge they have. **(UEN; Third Grade; Standard 1, Objective 1)**

The purpose of these activities is to teach Utah Core Standards in a way that encourages critical and creative thinking.



EDUCATIONAL GUIDE

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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 weather and cultures, electromagnetic force, fractions and matter. During your visit, children will have hands on experiences that build on their knowledge of these concepts.

Science: Demonstrate the power of electromagnetic force by letting the children play with our magnet table. What does this force do? Make observations as a group. **(UEN; Third Grade; Standard 3, Objective 1)**

Social Studies: As you watch tornadoes form in our tornado exhibit, ask your child/student if they think living in an area with frequent tornadoes would lead them to seek/build further protection. Ask them what they think people might need to stay safe. This exercise teaches them to think about different environments and their different cultural needs. **(UEN; Second Grade; Standard 1, Objective 2d)**

Math: Find shapes in this room that can easily be distinguished and divided into parts with equal areas. (Get creative! You can even use the floor tiles!) Did you choose a shape that can be divided into four equal parts? If not, search again to see if you can find one! Once you have, talk with your child about fractions and shapes. The four parts each represent $\frac{1}{4}$ which altogether equal $\frac{4}{4}$ or 1. **(UEN; Third Grade; Standard 3.G.2)**

Language Arts: Introduce children to the concepts of matter (solids, liquids, and gasses) prior to the field trip. They should also know how to use illustrations from print or digital text to obtain information. In the science room there is an interactive game that has them identify states of matter from images shown. During the field trip, have children play the game as a means of practicing gathering information from images and as a means of practicing methods to identify the different states of matter. **(UEN; Second Grade; Reading: Literature Standard 7)**

The purpose of these activities is to teach Utah Core Standards in a way that helps children develop different life skills.

