

KINDERGARTEN CURRICULAR CONNECTIONS

SCIENCE

Matter: Understanding of the physical world is deepened by investigating matter and energy.

Learning Outcome: Children examine properties of objects.

KNOWLEDGE	UNDERSTANDING	SKILLS AND PROCEDURES	ESCAPE CITY
<p>An object is anything that can be perceived using one or more of the five senses.</p> <p>The five senses are</p> <ul style="list-style-type: none"> • sight • touch • hearing • smell • taste <p>Properties are distinctive characteristics.</p>	<p>Objects have identifiable properties.</p>	<p>Explore properties of various objects using one or more of the five senses. Describe properties of various objects.</p>	<p>Students will be encouraged to use their senses to identify objects and use them in solving puzzles. Through a facilitated discussion the students have the opportunity to articulate how they used their senses to complete the challenges.</p>

SCIENCE

Computer Science: Problem solving and scientific inquiry are developed through the knowledgeable application of creativity, design, and computational thinking.

Learning Outcome: Children interpret instructions in various environments.

KNOWLEDGE	UNDERSTANDING	SKILLS AND PROCEDURES	ESCAPE CITY
<p>Instructions may be experienced in many different contexts, such as:</p> <ul style="list-style-type: none"> • home • learning environments • games • experiences in nature <p>Instructions can be given in many ways and presented through:</p> <ul style="list-style-type: none"> • speaking • pictures • gestures • traditional teachings 	<p>Following instructions can help people be safe, complete a task, and know what to do.</p>	<p>Match an action to the corresponding instruction. Engage in activities that involve following instructions in various contexts. Identify instructions that help keep people safe in various contexts. Engage in activities that involve following instructions presented in various ways.</p>	<p>During the Escape City experience students will be exposed to oral, visual, and written instructions with support, in which following correctly is essential to the success of the experience.</p>

COMPETENCIES

COMPETENCIES	ESCAPE CITY
<p>Critical Thinking:</p> <ul style="list-style-type: none"> • I wonder about the world around me. • I think about and share experiences or feelings. • I make predictions based on prior knowledge. • I make choices based on what I like or know. • I recognize how my thoughts, words, or actions affect others and myself. 	<p>Through the exploration of problem solving in escape rooms and puzzlebased stations the students have the opportunity to awaken their wonder by using their prior knowledge, make predictions and test out their conclusions. Wrapping up the activities with a debrief allows the students to reflect upon their experiences.</p>
<p>Problem Solving:</p> <ul style="list-style-type: none"> • I communicate when I have a problem. • I ask questions to help me solve problems. • I explore ways to overcome challenges independently or with others. • I try new ways to solve problems. 	<p>The nature of the escape rooms provide an opportunity for students to solve problems in a group setting, while allowing for moments of individual contributions to shine through. Teamwork and resilience in trying out solutions are essential for success, while having a built-in support system to ask questions to help guide the experience.</p>
<p>Research and Managing Information:</p> <ul style="list-style-type: none"> • I use my senses to learn about the world around me. • I connect new information with things I already know. • I use information to understand my world and myself. 	<p>Students are encouraged to interact with the puzzles by utilizing their senses and using the gathered information to inform choices, communicate with their teammates, and make connections to find solutions.</p>

COMPETENCIES

COMPETENCIES	ESCAPE CITY
<p>Creativity and Innovation:</p> <ul style="list-style-type: none"> • I create to learn and have fun. • I use my imagination to combine materials or ideas to create something new. • I change my creations based on new ideas, information, or materials. • I try new ways of doing things. 	<p>The experience allows for the students to create their own puzzles in the spirit of fun and challenge their peers while working within the limitations of guided puzzle creation, materials, environment, and time constraints while encouraging creativity.</p>
<p>Communication:</p> <ul style="list-style-type: none"> • I listen to others and respond to simple questions. • I communicate verbally or nonverbally. • I describe or represent my experiences, ideas, or feelings. • I communicate to interact, learn, or have fun. • I use a range of terms and symbols to express or interpret messages. 	<p>Communication is essential for participation in the experience and is encouraged through the group work structure needed to overcome the challenges presented, as well as the students receive immediate feedback on their teamwork through the nature of success and failure of the challenge.</p>
<p>Collaboration:</p> <ul style="list-style-type: none"> • I interact in groups to learn and have fun. • I take turns when learning and playing with others. • I am a courteous member of my learning communities. 	<p>The collaborative nature of the escape room experience encourages students to have fun while working in a group setting and rewards groups that collaborate effectively.</p>

COMPETENCIES

COMPETENCIES	ESCAPE CITY
<p>Citizenship:</p> <ul style="list-style-type: none">• I interact with people in my communities.• I advocate for myself to experience success in learning and play.• I help others in familiar environments.• I make decisions based on what I like or know.	<p>Students are supported throughout the experience by facilitators to make the experience accessible and encourage success while participating in the various learning opportunities.</p>
<p>Personal Growth and Well-Being:</p> <ul style="list-style-type: none">• I seek out experiences that make me happy.• I recognize and share my interests.• I participate in new learning situations.• I explore relationships through day-to-day interactions. I communicate needs for comfort or assistance.	<p>Through participation in the activities the students have the opportunity to exercise agency in new settings while having support to achieve success and enjoyment.</p>

**FOR MORE INFORMATION ABOUT OUR CURRICULAR CONNECTIONS
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