

Welcome to **HOKALI**

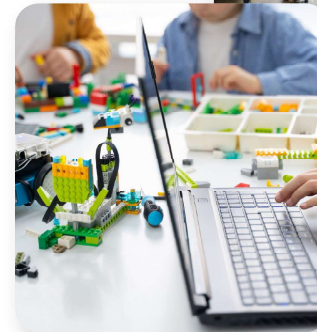
Summer 2024



Mission

Our mission is to ignite a lifelong passion for Science, Technology, Engineering, Arts, and Mathematics (STEAM) in every child. We envision a future led by innovative thinkers, creators, and leaders who begin their journey with us.

Digital Dreamers
STEM Academy



Unique STEAM Exploration

Our Pre K-8 Summer Camp offers an immersive expedition into STEAM, designed to inspire and prepare young minds for a technologically advanced future. Through a blend of imaginative play and structured learning, our camp offers:

- **Hands-On Learning:** Activities ranging from Arduino projects to art creations, fostering critical thinking and problem-solving skills.
- **Creative Exploration & Teamwork:** Encouraging creativity in technology projects and collaborative teamwork through engaging challenges.
- **Real-World Connection:** Linking projects to real-life scenarios for meaningful, exciting learning experiences.
- **Innovative Curriculum:** Cutting-edge STEAM curriculum tailored to each grade level, ensuring a personalized learning experience that sparks curiosity and a love for learning.

Camp Details

Duration: 5 Weeks, 1 hour 20min daily, Monday - Friday (No classes on July 4th), minimum enrollment 10 students

Grade-Specific Schedule: Tailored activities for each grade to ensure age-appropriate learning and fun.

What Sets Us Apart

Sustainability & Innovation: Projects using recycled materials teach the importance of sustainability, encouraging innovative problem-solving.

Engaging Environment: A safe, fun, and engaging setting where students can thrive, from race days to coding their own video games.

Join Us for a Summer of Discovery

Our STEAM Explorers Summer Camp promises a unique learning experience, blending education with excitement. By joining our program, students not only gain valuable STEAM skills but also develop a lifelong love of learning and innovation. Partner with us to make this summer unforgettable for our young explorers.

**Preschool & Kindergarten
GISSV Full-Day
Students**

1. Colorful Pathways

Activity: Rainbow Road

- **Description:** Create a maze on the floor with colored tape, each color leading to a different mini-challenge or activity. Children choose a color to follow, leading them to their first activity station.
- **Learning Outcome:** Recognize colors and follow directions, enhancing decision-making and color identification skills.

2. Shape Sorter Quest

Activity: Shape Adventure

- **Description:** At the end of each "Rainbow Road," there's a shape sorter challenge. Children must sort various shapes to unlock their next clue, which guides them to the next part of the maze.
- **Learning Outcome:** Develop understanding of shapes and improve fine motor skills through sorting activities.

3. Puzzle Bridge

Activity: Puzzle Passage

- **Description:** A section of the maze is blocked by a large floor puzzle. Children work together to assemble the puzzle, which reveals a map showing the next section of the maze.
- **Learning Outcome:** Foster teamwork and problem-solving skills; enhance spatial awareness.

4. Sensory Garden

Activity: Whispering Wood

- **Description:** This part of the maze is filled with various sensory bins (e.g., sand, water beads, rice) that the children must explore to find hidden objects, each marked with a letter. Once all objects are found, letters combine to spell the next clue.
- **Learning Outcome:** Engage sensory processing skills, promote fine motor development, and introduce basic letter recognition.

5. The Great Escape

Activity: Treasure Tunnel

- **Description:** The final challenge is a tunnel decorated with stars and planets. Children crawl through, finding glow-in-the-dark stars that lead them to the treasure chest at the end of the maze, filled with certificates of completion and small prizes.
- **Learning Outcome:** Introduce basic astronomy concepts; encourage physical activity and celebrate achievement.

**1st & 2nd Grade
GISSV Full-Day
Students**

1. Secret Codes

Activity: Cipher Path

- **Description:** Start with a simple code-breaking activity. Kids receive a secret message that guides them to the entrance of the maze. They use a basic cipher to decode their first clue, learning about patterns and sequences.
- **Learning Outcome:** Introduction to basic cryptography, pattern recognition, and following instructions.

2. Plant Labyrinth

Activity: Botanical Quest

- **Description:** In this section of the maze, students must navigate through a series of plant-based challenges, identifying certain plants or matching them to their correct environments to proceed.
- **Learning Outcome:** Learn basic plant biology and the importance of different habitats, enhancing observational skills.

3. Engineering Bridge

Activity: Construction Crossing

- **Description:** A "river" blocks their path, and students must build a bridge using provided materials (blocks, cardboard, etc.) to cross. The challenge involves creating a sturdy structure that can support the weight of several toys.
- **Learning Outcome:** Basics of engineering and construction, teamwork, and problem-solving through design and testing.

4. Wind Tunnel

Activity: Airway Adventure

- **Description:** Students craft simple paper airplanes or wind-powered cars and test them in a homemade wind tunnel, adjusting their designs to see which can travel the furthest or fastest.
- **Learning Outcome:** Understand basic principles of aerodynamics and the scientific method of hypothesis and testing.

5. Treasure Hunt Finale

Activity: Navigator's Quest

- **Description:** The final challenge combines map reading and simple compass directions. Students use their map and compass to find the hidden treasure chest within the maze, which contains certificates of completion and small STEAM-related prizes.
- **Learning Outcome:** Apply knowledge of geography and basic orientation skills; encourage exploration and discovery.

**3rd & 4th Grade
GISSV Full-Day
Students**

1. Electric Puzzle

Activity: Circuit Quest

- **Description:** Students start by solving a simple circuit puzzle to light up a bulb. This activity serves as the key to enter the maze, teaching basic concepts of electricity and circuitry.
- **Learning Outcome:** Understand the basics of electrical circuits; promote critical thinking and problem-solving skills.

2. Magnetic Maze

Activity: Magnetic Pathway

- **Description:** Navigate a small metal ball through a maze using magnets without touching the ball. This section of the maze requires understanding the properties of magnets and how they interact with metal objects.
- **Learning Outcome:** Learn about magnetism and forces; enhance fine motor skills and spatial reasoning.

3. Water Works

Activity: Aquatic Adventure

- **Description:** In this challenge, students must construct a series of pipes using various tubing pieces to direct water from one end of a table to a bucket at the other end, learning about fluid dynamics and problem-solving.
- **Learning Outcome:** Introduction to fluid mechanics; develop planning and teamwork abilities.

4. Shadow Shapes

Activity: Silhouette Safari

- **Description:** Using a light source and various objects, students create shadow shapes on a wall that match given silhouettes, exploring light and shadow as well as perspective.
- **Learning Outcome:** Understand light properties and the concept of shadows; foster creativity and observational skills.

5. Code Cracker Finale

Activity: Secret Code Treasure

- **Description:** The final challenge involves cracking a code using hints gathered from previous activities. The code unlocks a treasure chest containing STEAM prizes and certificates of completion.
- **Learning Outcome:** Apply logic and coding basics; encourage teamwork and celebrate collective achievement.

**5-8th Grade
GISSV Full-Day
Students**

1. Augmented Reality Puzzle

Activity: AR Adventure

- **Description:** Utilize an augmented reality (AR) app to solve the first puzzle, navigating through virtual objects overlaid in the real world to find clues that unlock the entrance to the maze.
- **Learning Outcome:** Experience the integration of technology and reality; enhance spatial awareness and problem-solving skills.

2. Renewable Energy Race

Activity: Power Sprint

- **Description:** Design and build a simple device powered by renewable energy (e.g., solar, wind) to complete a specific task. This could involve moving an object across a table or powering a small fan.
- **Learning Outcome:** Understand principles of renewable energy; apply engineering and design thinking for problem-solving.

3. Cryptography Challenge

Activity: Code Breakers

- **Description:** Decrypt a series of coded messages using different cryptographic techniques to reveal the next clue. This activity introduces basic cryptography and the importance of secure communication.
- **Learning Outcome:** Learn about the history and methods of cryptography; enhance logical thinking and attention to detail.

4. Physics of Flight

Activity: Glider Gateway

- **Description:** Construct and test paper or foam gliders based on principles of aerodynamics. Adjustments can be made for distance or accuracy, aiming to fly through a series of hoops.
- **Learning Outcome:** Explore aerodynamics and the physics of flight; engage in iterative design and testing.

5. Escape Room Finale

Activity: Mystic Lab Escape

- **Description:** The final challenge is a mini escape room set up within the maze, where students must apply a combination of STEAM skills learned from previous activities to solve puzzles that unlock the door to the treasure room.
- **Learning Outcome:** Utilize a broad range of STEAM concepts; foster teamwork, critical thinking, and time management skills.

Let's get started!

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