



1-Week Summer Program | Katy ISD

STEAMotion | Grades K-1

Pushes, Pulls & Pins

STEAMotion (Grades K-1) is a fun-filled summer academy tailor-made for students in grades K-1 to embark on exciting adventures stimulating their minds and bodies. Each day offers a perfect balance between engaging STEAM projects and interactive sports activities, promoting teamwork and collaboration. This program features guest speakers and unique learning opportunities.

STEAMotion is offered by the Rice Office of STEM Engagement in collaboration with various school districts and powered by TinkRworks.

Program Highlights

- Discover forces and programming using an electronic tabletop puck bowling game.
- Engage in experiments and kinetic exercises to understand push and pull forces, material properties, strength, speed, direction, and effects on movement.
- Program with light sensors to track knocked-down pins.
- Cultivate creativity by composing and coding music and designing animations for strikes and spares.

Registration Information

- Registration: bit.ly/STEAMotion
- \$349 fee required.
- Participants will need to provide their own lunch.
- Content is the same each week.

Contact Information

- Matthew Cushing | mcushing@rice.edu



Katy ISD Location and Dates

- 📍 Robert R. Shaw STEAM Center
- 📅 9:00am - 3:00pm | Mon-Thu
- Week A: June 10-13, 2024
- Week B: July 8-11, 2024
- Week C: July 22-25, 2024

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- visit our website at
- rstem.rice.edu





1-Week Summer Program | Katy ISD

STEAMotion | Grades 2-3

Smart Lamp

STEAMotion (Grades 2-3) is a summer academy to explore energy, physics, mathematics, computer science, and engineering. Through classroom exploration and outdoor activities, participants delve into STEAM projects and sports endeavors emphasizing teamwork and collaboration.

STEAMotion is offered by the Rice Office of STEM Engagement in collaboration with various school districts and powered by TinkRworks.

Program Highlights

- Dive into smart technology and self-expression with a color-changing lightbox that doubles as a music player.
- Explore the properties of light and sound while discovering the art of music composition.
- Build your own Smart Lamp from scratch, installing electronics and programming to convey emotions.
- Enhance social and emotional learning by relating personal feelings to the project activities.

Registration Information

- Registration: bit.ly/STEAMotion
- \$349 fee required.
- Participants will need to provide their own lunch.
- Content is the same each week.

Contact Information

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1-Week Summer Program | Katy ISD

STEAMotion | Grades 4-5

TechAsketch

STEAMotion (Grades 4-5) is a summer academy that is all about learning and engaging students in energy, physics, math, computer science, and engineering! We'll mix classroom fun with outdoor adventures as we dive into STEAM projects and team sports. It's a chance to learn and work with your friends while having a blast!

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Program Highlights

- Experience a modern twist on a classic drawing toy!
- Build a handheld digital drawing device with a programmable LCD, buttons, and knobs.
- Dive into the science behind displays, coordinate systems, and plotting basic shapes.
- Unleash creativity by designing brushes and creating unique artwork with a customizable drawing experience.

Registration Information

- Registration: bit.ly/STEAMotion
- \$349 fee required.
- Participants will need to provide their own lunch.
- Content is the same each week.

Contact Information

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