

# DAVIS ACADEMY FOR ARTS & DESIGN INNOVATION

# FAMILY STEAM NIGHT



## MAXIMIZING FUN AND LEARNING

Family STEAM night at Davis Academy was a fantastic opportunity for students and families to come together and engage in hands-on activities that are both fun and educational. This event offered an enjoyable evening for students to explore STEAM (Science, Technology, Engineering, Art, and Mathematics) concepts, discover new skills, and enjoy a night of hands-on learning with their families. Attendees included both current and potential Davis families.

## ROBOTICS, TECH, & CIRCUITS

One of the most exciting activities at Family STEAM Night was Cubelets. These small, modular robots are an excellent way to introduce students to the basics of robotics, programming, and engineering. Cubelets can be combined in a variety of ways to build robots that perform various tasks. Students explored the different components and how they interacted to create unique robots that move, make noises, and even react to their surroundings.

Stop-motion videos were another popular activity at Family STEAM night. This process involves taking a series of still photos and animating them to create a short movie. The use of stop-motion videos helps students develop creativity, storytelling skills, and visual problem-solving.



## SOLVING REAL-WORLD CHALLENGES

A variety of science and engineering challenges provided a fun and engaging way for students to learn about various STEAM concepts. These challenges involved building structures with limited materials, solving puzzles, and even creating prototypes of potential solutions to real-world problems. In the Earthquake challenge, student buildings survived the shakes and quakes of several book drops and our penguin eggs were kept safe for “hatching!”

