



# AERIAL ROBOTICS: EXPLORING AND PROGRAMMING DRONES



## PROGRAM OVERVIEW

Our Aerial Robotics program offers an exciting journey into the world of drones, where participants aged 8 and above explore the principles of flight, delve into programming, and engage in hands-on projects to master the art of aerial robotics.

## PROGRAM HIGHLIGHTS

- Hands-on experience with drone assembly, flight mechanics, and programming
- Engaging activities designed to foster creativity and problem-solving skills
- Guidance from experienced instructors passionate about robotics and education
- Opportunity to participate in fun challenges and showcase acquired skills

## PROGRAM DETAILS

- **Duration:** 8-week workshop
- **Schedule:** 2 Days a week, 2.5 hours per day
- **Age Group:** for ages 8+
- **Prerequisites:** Basic understanding of robotics concepts recommended, no prior experience required
- **Location:** eCode Learning Center
- **Format:** Interactive sessions combining instruction, hands-on experimentation, and project-based learning

## PROGRAM OBJECTIVES

- Introduce participants to the principles of aerial robotics
- Develop programming skills applicable to drone control
- Foster problem-solving abilities through hands-on challenges
- Cultivate teamwork and communication skills through group activities
- Inspire a passion for technology and innovation in aerial robotics