

CREATEKIT™

Drone Course Lesson Directions Overview

Equipment List

- 100 Cardboard Sheets
- 200 Construction Paper
- 1 Spool String
- 12 Hoops
- 4 Vinyl Floor Tape
- 6 Plastic Cones
- 100 Octa-Clip™ Clips
- 75 Cardboard Modeling Rolls

Learning Objectives

- Students use the Engineering Design Process to build and test drone obstacle courses.
- Students use manual piloting and coding to fly drones through the courses constructed by the class.

Grade Levels: Upper Elementary & Up

Vocabulary Covered

- Drone
- Code
- Program
- Bug/Debug
- Pitch
- Roll
- Yaw

CSTA Topics Addressed

- Computing Systems
- Algorithms & Programming

NGSS Topics Addressed

- Engineering Design