

At-Home Makers Challenge #1: Delivery Drone

Make a *pretend* one-of-a-kind drone using your toys and other household materials. (Do not buy anything!)

SUGGESTIONS AND TIPS

1. For this challenge, think about using the drone to deliver items to friends and family.
2. Think and talk about how drones work. What are their sources of power? (See Resources below)
3. Think about function or use. What types of items might you want to deliver to your family or friends? Will your drone deliver a remote control, a phone, snacks, books, you!? Your plans for the drone will shape how you make it. Try making a remote control, too!
4. Be creative! Use your imagination! What colors or patterns do you like? What could make your drone stand out from other drones? Will your drone make the usual drone sound or will it play music?
5. Sketch your ideas or jump right into building. Either way, have FUN! Remember to clean up so that everyone at home is safe, especially younger children.



With pride, share or post a picture of your drone. Email a picture to us at Earlysystems3@gmail.com. Thanks!!!



#YOUNGSTEMS

#KIDSMAKINGDRONES

INFORMATION RESOURCES

Drone parts: See DIY Frames: <https://www.rcgroups.com/forums/showthread.php?1718951-Intro-to-Multirotors-Theory-Build-Log-and-Tips>

See Quadcopter Hardware: <https://oscarliang.com/quadcopter-hardware-overview/>

Drone construction basics: <https://www.youtube.com/watch?v=6AJoXSq0B3w>

