

Drones

Cassia County TA 2024

Projects & Materials	Requirements	Exhibit
<p>Youth Materials: Quads Away, Illinois</p> <p>Additional Materials:</p> <ul style="list-style-type: none"> ▪ Remote Pilot Test Prep – Aviation Supplies and Academics this book can be purchased here: https://asa2fly.com/2024-remote-pilot-test-prep/ ▪ Airman Knowledge Testing Supplement for Sport Pilot, Recreational Pilot, Remote Pilot and Private Pilot – US Department of Transportation – Federal Aviation Administration (this book can be purchased on Amazon) 	<p>From the manual:</p> <ul style="list-style-type: none"> ▪ Complete one section per year (it should take three years to complete this project). ▪ Do all the activities in each section (one section per year). <p>Show your skills: (this should be a continual part of your three year project)</p> <ul style="list-style-type: none"> ▪ Build a drone from parts ▪ Watch videos and tutorials on building FPV planes to aid in building one yourself ▪ Design and build delivery drones capable of delivering packages up to 1 pound ▪ Create a list of terms and abbreviations important to know if you're flying a drone ▪ Identify safe airspace where you can operate a drone in ▪ Learn about the new remote id module regulation (2024) for drones ▪ Demonstrate all of the safety procedures necessary to operate a drone prior to operating a drone. Clearly write down safety procedures in a event where a immediate landing is needed <p>Complete the following:</p> <ul style="list-style-type: none"> ▪ Participate in a community based service project. ▪ Give an oral presentation (speech, demonstration or illustrated talk) related to this project. ▪ Research Idaho rules and laws for flying drones, and write a paragraph of what you learned. ▪ ZSuites Record Book 	<p>Quads Away Manual</p> <p>ZSuites Project Record Book</p> <p>Publish a video of your work highlighting the challenges and successes of the project (you can download the video to a usb drive and turn in with project or publish on YouTube just make sure you add the link address in your record book.)</p> <p>Exhibit one of the following:</p> <ul style="list-style-type: none"> ▪ A poster (14"x22") ▪ Display (12"x12"x12") illustrating what you learned in this project this year. <p>Please do not display your drone at fair.</p>