Operating an Unmanned Aerial Vehicle (UAV)

Can youth do this job safely?

Youth must be able to do/have all of the following to perform this job safely:

- Avoid loose clothing, clothes with strings, tie up long hair
- Review right of way regulations; anticipate manned aircraft in area
- Understand what to do in the event of a collision/crash
- Coordinate activities/operations with Remote Pilot and Visual Observer
- Be familiar with location and flight path, including areas where sight might be obstructed
- Check for/avoid people and obstacles in the area
- Recognize a hazard, problem solve, and respond appropriately
- React quickly to hazards
- Take off/land UAV in open, level area at least 500 feet from people/obstacles
- Operate UAV along planned flight path, < 400 feet from ground, < 100 mph, and during daylight hours
- Do not leave UAV unattended
- Safely demonstrate the job 4 to 5 times
- Maintain two-way communication link



Adult Responsibilities

- Comply with working outdoors guideline
- Check temporary flight restrictions and FAA notice to airmen
- Shut down UAV operation during hazardous weather
- Review emergency procedures and terminology with everyone
- Ensure equipment is mechanically sound/safety features in place
- Ensure area is free from as many hazards as possible
- Educate youth on avoiding/addressing remaining hazards
- Ensure UAV is powered off during rotor installation, refueling, and changing batteries
- Demonstrate how to safely operate UAV and provide training
- Train youth to call an adult if equipment malfunctions

Supervision

Remote Pilot provides direct supervision. While the Remote Pilot can be aged 16 or older, an adult performs this role until operator is trained and then provides periodic supervision.

16+ yrs	Intermittent supervision progressing to periodic

Note: Information and resources are specific to the U.S. Please reference appropriate regulations in areas outside the U.S.

Hazards



Slippery/ uneven surfaces | Sharp objects | Electricity | Chemicals | Fire

Protective Strategies



Eye protection | Non-skid shoes | Sun protection | Operator's manual | Gloves

cultivate SAFETY

www.cultivatesafety.org

https://doi.org/10.21636/nfmc.nccrahs.youthwork.uav.g.2018