



Judge a Job by its Posting: Imagining a Future Career with Drones

UAVs are an emerging technology within a wide variety of industries including construction, search and rescue, real estate, videography, drone racing, online shopping delivery and agriculture. In short, drones are cementing themselves as the incredibly versatile tools of our not-too-distant-future.

In this freebie, learners will discuss drone-related careers, including how different industries currently use drones. They'll then research drone job postings and practice writing their own!

HANDS-ON STEM EDUCATION



For over 30 years, PCS Edventures has inspired students to develop a passion for Science, Technology, Engineering and Mathematics (STEM), focusing our efforts on making learning and discovery a fun and interactive process for grades K-12.

- Classroom
- After-School
- Home Learning

Subjects & STEAM Connections

- Career exploration and research
- Technology
- Business
- Writing & ELA

Overview

Whole Group Discussion

Discuss current drone-related careers including how different industries currently use drones.

Small Group or Individual Activity

Research drone careers and job postings. Create a fictional job posting for a near-future career involving drones.

Key Terms

Mission Statement: a statement declaring the purpose of an organization often including its function and objectives.

UAV: unmanned aerial vehicle, commonly referred to as a drone and sometimes known as a quadcopter.

Background Information

UAVs are an emerging technology within a wide variety of industries including construction, search and rescue, real estate, videography, drone racing, online shopping delivery and agriculture. In short, drones are cementing themselves as the incredibly versatile tools of our not-too-distant-future.

Whole Group Discussion

Advancements in science and manufacturing are making technology more accessible and creating new opportunities across industries. Every day there are new ways to solve problems and build the future with exciting STEM careers.

UAVs are at the cutting edge of this technological revolution. UAV stands for unmanned aerial vehicle, but you may know them by their common name too - drones. Today's drones are far more complex and capable than drones of the past. With applications ranging from agriculture to search and rescue operations, modern drones have grown beyond hobby stores to integral tools for many professions.

Guiding Question: How might drones be used in the near future?

Group, Pair or Individual Activity

Depending on the age of your students and the amount of time you have, these activities can be done in small groups, pairs or individually.

Research Drone Careers

Research existing UAV capabilities and careers. The Drone Careers blog post series by PCS Edventures is an excellent place to start.

Click the links below or visit edventures.com/drone-careers to learn more.



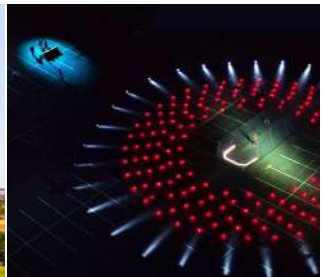
Drone Careers:
Emergency Services



Drone Careers:
Filmmaking &
Cinematography



Drone Careers:
Exciting Trades



Drone Careers:
Live Events

Imagine Your Company/Organization

An effective job posting does a lot more than listing the salary and describing the responsibilities. The job seeker should be able to get a sense of what the organization actually does. Is it a private company that builds parts for airplanes or is it a non-profit organization that coordinates summer camp programs?

Put some thought into your fictional company or organization. A good place to start is asking the "Five W's" - Who, What, Where, When and Why about your organization.

Create Your Job Listing

Consider using the following checklist as an outline while you create your job listing. Feel free to add additional components and change the order around to make it your own. You might not need every single one of these points or you may include a lot more information, but a high quality post will address most of these points.

Job Listing Checklist

Describe the company/organization

Company/organization mission statement

Position description

List the job requirements

- Training and experience
- Qualifications
- Education

List the job responsibilities

Related skills and qualifications

Pay range, benefits and additional job perks

Check for Understanding

- What are three industries that currently use drones?
- Think about what you are looking for in a career
 - What are you looking for in a job posting that would get you excited about the company?
 - What pieces of information are most and/or least important to you?

Extensions

- Create a forum on your class website and have students post their jobs
 - Have students choose 2 or 3 postings and send a resume
- Brainstorm different industries on the board and categorize the fictional companies.
 - What industry is most/least popular?
- Have students present job postings to the class

REFERENCES

- [Drone Careers: Emergency Services](#)
- [Drone Careers: Filmmaking & Cinematography](#)
- [Drone Careers: Exciting Trades](#)
- [Drone Careers: Live Events](#)
- [Writing a Job Posting \(With Free Template Downloads\)](#)

Discover Drones



In *Discover Drones*, your learning environment will experience the world’s fastest-growing technology first-hand. Starting with collaborative learning and scaffolded lessons in engineering, iterative design and applied science, learners begin by building RubiQ, their modular, open-source training drone.

Interested In More Drone Activities?



Ready, Set, Drone! - Take to the skies with mini drones! Paired with thrilling, easy-to-operate aerial robotics equipment, these 12, one-hour, collaborative lessons are the perfect introduction to the world of unmanned aerial vehicles (UAVs).



Drone Designers: Exploring STEAM Careers - Follow in the footsteps of the world’s groundbreaking drone designers, weaving together the engineering design process and principles of aerodynamics as learners collaborate to costume, choreograph and code tiny aerial robots in creative performances.



For more information, visit: <https://edventures.com/collections>
or contact a STEM Program Specialist at (800) 429-3110

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