Police

Military

POLICE

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1963

Chesapeake
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Jagbots
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1

Career Connections
Chesapeake Police Department

Guest speakers: Detective Foster, 8 years with drone team working with vandalism, practice & test drones; SPO Scott CPD since 2003 with patrol and high crime

INFO

Team Number 1021J

Members: Callen, Evelyn, Ezra, Brooklyn, Carrick, Jaelynn

School: Jolliff Middle School, Chesapeake VA

We chose the Chesapeake Police Department because our former school resource officer is on the drone team at the Chesapeake Police Department. They use drones in their careers in many ways like flying them to catch criminals, tactile SWAT, lockdowns, and finding lost children.
We interviewed the police officers to get information on them and the drones and we watched them fly a massive drone and a small drone.
Participation in Ariel Drone Competition has prepared us for joining the military or the police force and helping our local and national community.

Below are a few examples of how the aerial drone competition helps prepare us for a future career.
1) We know the drone remotes are similar, so we already know how to use them. The competition follows FAA regulations, the same as the police department drone team career.
2) Mission planning and avoiding obstacles are similar in the competition and police surveillance/search and rescue
3) Clear communication between pilot and co-pilots during the teamwork matches help prepare us to work with a drone team on the Chesapeake Police Force.

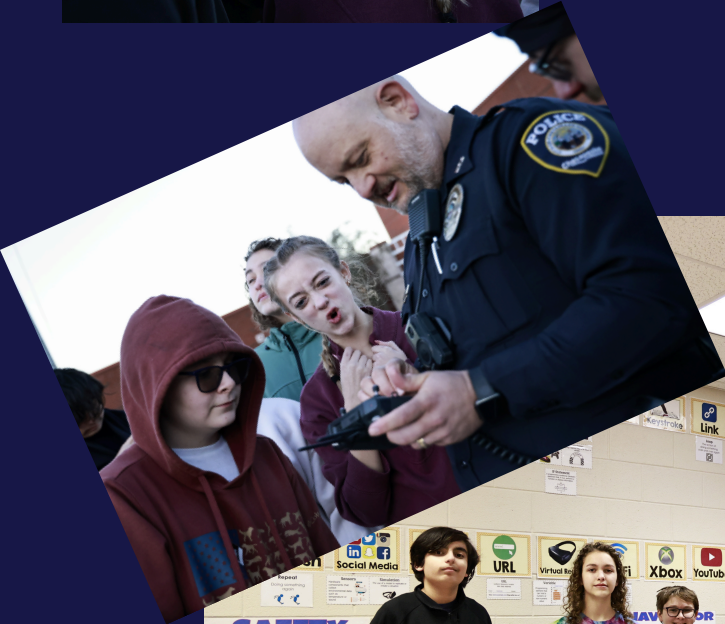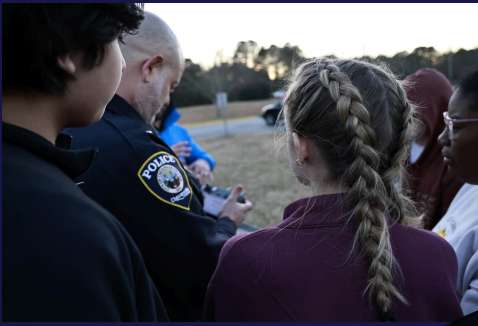# Difference and Similarities of Jolliff and Police Drones

Jolliff Drones

- Does not have cameras
- Able to program in python and block language
- Has no infrared cameras
- Can only be flown if you can see or if your observer can see your drone
- Needs to write codes for autonomous.
- They do not have speakers we rely on hand gestures
- TRUST Certified for our team
- Not using drones professionally

Both

- Have the same controls
- Similar design
- Both have a return to home feature
- Same crash procedures
- Pilot/Co-Pilot keep line of sight with drone or image
- Similar checklist for safety

Police Drones

- Have Cameras
- Are pre-programmed
- Has infrared cameras which can detect heat
- Does not need to be seen to be flown
- Pre set programming
- They need to know air patterns
- They have to follow aviation maps and take pilot certifications with FAA
- They have speakers/radio between team
- Pilots drones as a profession

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