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| Everyday Drone Stories  KS5.5 Your views |

**Context**

This worksheet is designed to enable pupils at Key Stage 5 (or aged 14-18) to share their views on drones. You are invited to share your thoughts on what drones are and do, on current drone applications (including potential benefits and risks), and on how drones might be used in the future.

There are no right or wrong answers to the questions below. We are interested in gaining a deeper understanding of how young people view drones, their impacts, and potential future drone use. You are welcome to respond in the format that works best for you, for example with typed answers, hand-written answers, and/or to include drawings, diagrams or sketches. You are welcome to use extra paper if you’d like to.

**Activity: Your views**

Your understandings of drones

1. To get you started: Please share what comes to mind when you think of the word ‘drone’? You are welcome to write down words, phrases, or to include sketches.

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Your views on current drone applications

1. We would like you to imagine being in one of the below scenarios. You can pick the one you find most interesting. Choose your scenario and jot down: your thoughts on this current drone application (what’s good about it, is there anything potentially bad?), how you think you might feel if you saw the drone doing this (your emotions), and anything you think you might do (actions you might take). If you have already encountered drones in any of these settings, please share your experience.
2. You see a drone flying above a local hospital. A hospital worker tells you that the drone is being used to transport blood samples between hospital facilities.
3. You see on the television that a local Fire Service has used a drone with a thermal camera to identify the hottest part of a blaze in a fire in a nearby block of flats.
4. Your next-door neighbour’s children are flying a drone in their garden.
5. A local Police Force visit a home in your area to speak with a burglary suspect. The suspect flees (runs away) but the police manage to catch them assisted by a drone overhead filming and following the suspect.
6. You see a drone flying above a local commercial building. A worker explains that the drone is being used to inspect the roof of the building for potential damages.

Which scenario did you pick (A, B, C, D, E?): ………………………………………………………….…

What do think about this drone application (what’s good about it, is there anything potentially bad?), how you think you might feel if you saw the drone doing this (your emotions), and is there anything you think you might do (actions you might take in response to seeing the drone)?

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Your views on potential drone risks

While drones can be used for good applications, they are also associated with some risks and challenges. These include safety risks (e.g., crashes or collisions), security (e.g., drones being misused to cause disruption or harm to people or places), and concerns about privacy (e.g., what data do drones see and record), and noise (e.g., how might drone noise disturb people or animals). In the UK, drones are regulated by the Civil Aviation Authority (CAA). If you have concerns about the way someone is using a drone, the CAA recommends that you contact local police.

1. Below you’ll see headlines from some UK news articles on the ways that some people have misused drones. These misuses vary – some are accidents involving drones, and some involve drones being intentionally misused (for example to commit a crime).
2. Sighting of a drone inside the exclusion zone (perimeter) of a major UK airport. This causes disruption lasting over a day, impacting thousands of flights and passengers.
3. An on-duty police officer loses control of their drone. The drone is found a few miles away, crashed in a playground.
4. A man is jailed for using a drone to watch and spy on his ex-partner.
5. Members of a gang using drones to fly over fly over £500,000 worth of drugs into UK prisons are jailed.

We’d like you to pick one of these stories, you can pick whichever one you like. We’d like you to jot down: How does this story make you feel about drones and the airspace (sky) above you? Can you identify any potential risks from this drone misuse (to people, environments, or wildlife)?

Which scenario did you pick (A, B, C, D, E?): ………………………………………………………….…

How does this story make you feel about drones and the airspace (sky) above you?

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Can you identify any potential risks from this drone misuse (to people, environments, or wildlife)?

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The pros and cons of potential future drone use

1. Below, we have provided some potential future-use scenarios (some examples are in development, and some are concepts – meaning ideas that have not yet been built).
2. Your next-door neighbour starts having the parcels they have ordered online delivered by a drone, which lands in their back garden.
3. A local Police Force flies drones equipped with facial recognition technology above city centre crowds to assist with searching for suspects [facial recognition captures visual data from our faces and compares this against a database, to search for particular individuals].
4. A neighbour has concerns about home security. The neighbour buys an expensive drone home security system. Their drone regularly flies inside their house and around their garden.
5. A large local park is concerned about conservation so deploys a swarm (group of drones flying together, collaboratively) to monitor wildlife.
6. Your friend’s parents buy a drone to help them with household chores. The drone cleans their kitchen surfaces and waters their plants for them.

We’d like you to pick one of the examples and to reflect on the pros and cons of this potential future drone use, who might it help or benefit, and what challenges or concerns might it bring?

Which scenario did you pick (A, B, C, D, E?): ………………………………………………………….…

What are the pros and cons of this potential future drone use?

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Who might it help or benefit? What challenges or concerns might it bring?

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Your views on how drones might be used in the future.

1. The final question is an open space where you can imagine and describe any ways you think drones could be used in the future – for example in your everyday life, in spaces or activities you are familiar with and undertake, or even overseas. How would you like to see drones used – who by and what for?

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Thank you for taking part in this activity. **If you are happy to share a copy of your responses** with the researchers – to help them gain a deeper understanding of how young people view drones - **please tell your teacher and they will arrange this. You will be able to keep your original work.**