Community Partner Recommendations for Drone ATT by Sector

|  | **Drone Usage/Community Partner Idea** |  |  | **Drone Usage/Community Partner Idea** |  |  | **Drone Usage/Community Partner Idea** |
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| **Agriculture** | [Drones are used to fly over and spray pesticides or other chemicals used in farming over farm lands. They are also used for monitoring crops. Students could visit a farm that uses drones in this fashion.](https://www.croptracker.com/blog/drone-technology-in-agriculture.html) |  | **Environment** | [Drones are being used to monitor environments, and in some industries, are being used to reduce carbon footprint.](https://www.cbc.ca/news/canada/prince-edward-island/drones-ai-being-used-in-climate-change-research-at-new-centre-on-p-e-i-1.6538728) |  | **ICT** | [Drones are used for various film projects across sectors. Drone technology is also challenging the ICT sector to improve its communciation technology in order to make drones communciate more efficiently.](https://www.criticalcommunicationsreview.com/ccr/news/110157/video-from-drones-analysis-by-ai-supported-by-4g-5g-critical-communications-private-networks-a-valuable-aid-in-the-search-for-people) |
| **Arts and Culture** | [Drones are being used to film or as part of live performances.](https://www.theguardian.com/culture-professionals-network/2014/dec/19/2015-drones-art-creative-examples) |  | **Food Processing** | [Drones are being used in food inspection in dangerous areas. Some drones are able to detect bacteria.](https://www.droneblog.com/how-drones-are-changing-the-food-industry/) |  | **JCSES** | [Drones are used in Search and Rescue, remote patrolling, and deliver of medical supplies. Teachers could partner with a local emergency services agencies that uses drones / has designated drone pilots.](https://ottawa.ctvnews.ca/paramedic-drone-giving-patients-in-renfrew-county-help-from-above-1.3755565) |
| **Aviation and Aerospace** | [Drones are monitered/regulated by Aviation industry. You could partner with a locally authorized drone flight school to do a demonstration of a drone flight.](https://tc.canada.ca/en/aviation/drone-safety/drone-pilot-licensing/find-drone-flight-school) |  | **Forestry** | [Drones are used for aerial inspection of forests that are inaccesible by roads.](https://copanational.org/forestry-expands-use-of-drones/#:~:text=The%20forestry%20industry%20has%20been,areas%20with%20no%20road%20access.) |  | **Manufacturing** | [Drones can perform inspections on manufacturing lines, monitor high temperatures, inventory, health and safety compliance. Drones can also make deliveries. Some manufacturing companies may be *making* the drones.](https://www.themanufacturer.com/articles/the-benefits-of-drones-in-manufacturing/) |
| **Business** | [Find a local real estate agent who is leveraging drone usage to help advertise their listings.](https://www.creacafe.ca/what-realtors-need-to-know-about-canadas-new-drone-regulations/) |  | **Health and Wellness** | [Drones are used in Search and Rescue, remote patrolling, and deliver of medical supplies. Teachers could partner with a local emergency services agencies that uses drones / has designated drone pilots. Hospitals are also using drones to deliver organs between locations.](https://globalnews.ca/news/8583562/drone-delivery-organ-transplants-canadian/) |  | **Mining** | [Drones are used for site mapping, inspections, surveying, and collecting samples.](https://www.canadianminingjournal.com/featured-article/a-safer-way-to-sample-using-drone-technology-to-improve-water-testing-at-mines/) |
| **Construction** | [Find a partner that is using drones for land overview shots or safety inspections (some drones are used with a protective cocoon to do indoor inspections).](https://www.bigrentz.com/blog/drones-construction) |  | **Horticulture and Landscaping** | [Find a partner that is using drones for land overview shots.](https://www.bigrentz.com/blog/drones-construction) |  | **Non-Profit** | [Drones have been used by NGOs to deliver food and medical supplies to indigenous communities; a SHSM lead could pair up with an organization that leverages drone usage in this way.](https://www.cpacanada.ca/en/news/pivot-magazine/indigenous-aerospace) |
| **Energy** | [Drones are being used to inspect energy components, such as lines, solar panels, wind turbines.](https://citylife.capetown/uncategorized/how-autonomous-drones-are-transforming-the-energy-sector/229952/) |  | **Hospitality and Tourism** | [Drones may be used to promote a particular place, such as a resort or tourist destination.](https://www.traveldailymedia.com/experience-europes-most-spectacular-drone-show-this-spring-with-geneva-tourism/) |  | **Sports** | [Drones might be being used in your area to capture sports event, such as soccer games or in a 'follow me' mode for skateboarders.](https://www.thedronegirl.com/2020/12/09/best-follow-me-drone/) |
|  |  |  |  |  |  | **Transportation** | [Drones are used across sectors and maintained by specialists who work with drone equipment. They are also being used to deliver cargo across sectors.](https://www.ajot.com/news/cargo-drones-revenue-to-attain-us-41337.1-million-by-2033-below-15-km-cargo-drones-hold-34.3-share) |