

Design a Flight Plan

Engineering Extension

What problem is your drone designed to solve?

Research the problem and list ways drones have been used to solve similar problems.

Ask

Research and describe a real-world scenario in which your drone could be used:

Imagine

Create a mission plan for your drone to solve the problem. Draw a map of the flight plan and think about how to code it. Label the following on your map:

- 1. Launch location
- 2. Flight distance and direction
- 3. Tasks and procedures at destination
- 4. Landing location

Plan

Create a code for the flight path.

Create

1. After mapping and coding the flight path, look at it again. What challenges would you face if you were the drone's Remote Pilot in Command? What if you were the Visual Observer? What if you were the Safety Manager? Revise your flight path if needed to address these challenges.

Improve