

# *Follow the leader Drone*, 5/28/13

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## **Problem Definition**

Build a drone that uses bluetooth communication and GPS navigation (arduino) to track and follow around another remote controlled device automatically using the coordinates of the remote controlled device.

- Schedule
- Have a prototype that hovers but doesn't communicate with other devices by June 11, 2013
- Have device communication with remote device for coordinates by Sept 2013.

## **Research/Analysis**

- Drones already exist for military use, this drone would be civilian use on a smaller scale.

## **Proposed Solution**

- A drone that can track a remote vehicle would give extra protection to vehicles in the field by surveying the surrounding environment and scouting for any potential danger.
- Relay information easier back and forth between remote device and command station through drone.
- Follow and carry extra supplies for the remote device or object.

## **Potential Applications**

- A drone that can track a remote vehicle would give extra protection to vehicles in the field by surveying the surrounding environment and scouting for any potential danger.
- Relay information easier back and forth between remote device and command station through drone.
- Follow and carry extra supplies for the remote device or object.
- Scan perimeters for loitering civilians.

