

# Team Drone Challenge

- **Low-cost!** - team development, build options & competition
- **Themed, real-world scenarios** - & some fun twists!
- **Personalized mentoring** - most questions answered within 24 hours!
- **Practical skills application** - relevant implementation of the latest technology!
- **Become a Model Aviation Student Club!** - promote AMA safe practices as we do!

## The Story - 2020 FARM-i-GEDDON

- A co-op of local farms needs your drone team's help!
- A recent drought followed by a major storm has taken a toll on crops
- Field health needs to be determined & improved
- Livestock have scattered
- A farmer is stuck in a silo!
- Is your drone team up for the challenge?



## Preliminary Mission Options

*(elements subject to change prior to fall kick-off)*

- Develop a Safety & Mission Plan
- Scout & assess damage
- Navigate through low altitude obstacles
- Determine field conditions & obtaining field health data
- Land on & take-off from unsteady surfaces
- Activate an irrigation system
- Retrieve a soil sample
- Locate displaced livestock
- Inspect a wind turbine
- Re-seed a field
- Investigate a possible UFO incident
- Assist in a silo search & rescue – using an optional secondary micro drone
- Returning to a moving platform towed by a farm vehicle

**FARM-i-GEDDON** focuses on **key elements** simulating real-world situations & was created using the framework for Next Generation Science Standards. Our 3rd annual challenge was developed by a volunteer committee made up of drone industry professionals, educators, college students & drone enthusiasts. Finalized specs, fall release/kick-off date, registration, available support, Tech Meets & April competition date - all to be posted at [www.CNYDrones.org](http://www.CNYDrones.org)!