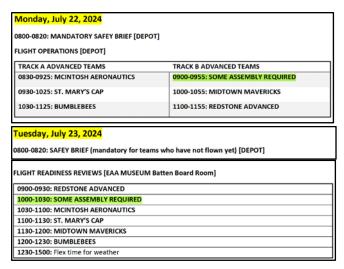
# 2024 UAS4STEM Competition Highlights (Team SAR)

# Competition Schedule



# Maximum Flight Altitude

 200 ft. AGL, except when engaging with a target

#### Maximum Video Tx Power

250mw

#### **Advanced Teams**

- Redstone Advanced
- Some Assembly Required
- McIntosh Aeronautics
- St. Mary's Civil Air Patrol (CAP)
- Midtown Mavericks
- Bumblebees

# Payload Delivery Scoring

For each attempted target delivery (measured from center of each target to the nearest point of payload): STATIONARY TARGETS: 0 ft. to 2 ft. = 10 points 2 ft. to 4 ft. = 8 points 4 ft. to 6 ft. = 6 points 6 ft. to 8 ft. = 4 points 8 ft. to 10 ft. = 2 points MOVING TARGET: Payload misses target = 0 points Payload contacts target = 5 points If payload remains on target, additional points are awarded as follows: 0 in. to 5 in. = 15 points 5 in. to 10 in. = 14 points 10 in. to 15 in. = 13 points 15 in. to 20 in. = 12 points 20 in. to target edge = 11 points Maximum 40 points

### **Beginner Teams**

- Redstone Bravo
- Corntographers
- 55 Knights
- The Flying Nuggets
- Hardin Valley Aerohatchling

#### **QR Codes Decoded**

- https://amablog.modelaircraft.org/uas4stem/TARGET\_0x (Pick-Up/BLACK)
  - 01 = water, 02 = med kit, 03 = candy bar
- https://amablog.modelaircraft.org/uas4stem/DELIVERY\_0x (RED)
  - 01 = water, 02 = med kit, 03 = candy bar
- https://amablog.modelaircraft.org/uas4stem/DELIVERY\_MOVER (RED)