



# MHA Nation Drone Camp



Schedule of Events | Boys and Girls Club of TAT

**Thursday, July 18, 2024 | Earth Lodge Village | New Town, ND**

**9:45 - 10:00 AM | Registration @ Earth Lodge Village**

**10:05 - 10:10 AM | Introductions of Drone Camp Staff @ Earth Lodge Village**

**10:10 - 10:25 AM | Safety Discussion | *Amanda Brandt, Senior Research Scientist***

**10:30 - 11:55 AM | Rotate Through Three Stations**

- Station 1: Airworthiness Flight Training**

Air Traffic Control demands drone pilots to fly at assigned altitudes and on charted flight routes to maintain safety separation from other traffic and ground obstacles. Aviator candidates will practice flying through an obstacle course to hone their pilot skills essential to become the next great maverick of the sky!

***Lead Instructor: Tanner Yackley, University of North Dakota Aerospace***

- Station 2: Livestock Herding**

Drones are providing new and exciting opportunities through innovation across many diverse career fields. Aviator candidates will simulate herding livestock (ping-pong balls) using a drone's downwash to direct them into desired locations.

***Lead Instructor: Leslie Martin, University of North Dakota Aerospace***

- Station 3: Precision Delivery**

Aviator candidates will practice "On Time-On Target" operations crucial for the distribution of critical supplies in humanitarian and military operations. During this station, essential team building and communication skills will be practiced as mission controllers talk pilots onto a target and granting them clearance to land to hit targeted times.

***Lead Instructor: Amanda Brandt, University of North Dakota Research Institute for Autonomous Systems (RIAS)***

**12:00 PM | Complimentary Lunch at the MHA Interpretive Center**

**12:25 PM | Flight Demonstration**

**12:50 PM | Graduation**

**1:00 PM | Return to Earth Lodge Village to Board Bus**

This project is supported by the United States Department of Transportation SMART Grant Number: SMARTFY22N1P1G38