



Presents



Welcome to Taking Flight 2022, please enjoy your time and the many activities that we have planned throughout the day. Our volunteers are wearing yellow shirts and are here to help you. Please ask questions, take part in a combat session, fly any one of our simulators, fly with one of our pilots, or go for an FPV ride-along flight.

Taking Flight is a daylong immersive experience in aviation, aeronautics, aerospace, robotics, and is a STEM focused event. It is designed to engage students (students for the purpose of this event can be anyone of any age who wants to have fun while learning) in RC Airplane Flying, RC Multi-Rotor flying, Rocketry, RC Cars and Trucks and many more hands-on learning activities. The event demonstrates the STEM applicability of all these “Hobbies”. At Taking Flight, students will have the opportunity to “Buddy Box” with an instructor and fly a trainer RC Airplane, or a Multi-rotor vehicle. Students will have the opportunity to build and fly small model rockets with the help of our model rocketry volunteers. They will learn about many different STEM enrichment programs from all over the valley (TARC, UAS4STEM, First Lego League, etc). We invite schools from around the state to showcase their engineering, aviation, aerospace, and robotics programs. We invite companies from around the valley to talk with students about career choices in the applicable fields. Please join us for the day.

AMA Sanction # 12678

Thank you for joining us.





Saturday April 9th 10:00am until 8:00pm

Held at Gilbert Regional Park

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Activities include:

Open Fly all day except during scheduled events
Kids area with all sorts of fun activities for students in K-6
Hands on STEM activities provided by the Vertical Flight Society



Build/repair area for foam board airplanes

Build Rockets with the Embry Riddle Students

High Altitude Balloon Demonstrations

Fly an RC airplane simulator

University Student demonstrations

Foam Board Combat sessions

RC Helicopter demonstration

RC Car and Trucks

RC Boats and Float Plane area

Streamer flights

High Power Rocketry Exhibit

Near Space Balloon Launch

3d Demonstration Flights

FPV Fixed Wing Flying (Right Hand Antenna, 5.8ghz, 200mw)

FPV Multi-rotor Flying (Left Hand Antenna 5.8ghz, 200mw)

Learn-to-fly a RC airplane session for any age

Learn-to-fly quad copter for any age

Evening and Twilight open fly

FTC Robot Demonstrations

Model Rocketry build and fly (A motors only)

Exhibit high power rockets, TARC Rockets and Information

For your convenience there will be on site Vendors and Concessions.

Must present an AMA member card to register as a pilot/instructor pilot

Must be an AMA member to fly.

\$10/per pilot to register





Schedule for the day

Saturday, April 9th at Gilbert Regional Park Open fly all day long except during scheduled events

8:00am-9:30am Setup

9:30am: Volunteer Meeting/setup continues

10:00AM: Pilot Meeting and Opening Ceremony, Kids fun area open until 8pm

10:15AM: Open Fly Begins, Buddy Box all day long, learn to fly with any one of our instructor pilots (Instructor Pilots will have an event badge)

11:00AM: **Build a Rocket** at the Amphitheater (20 kids 3rd grade-8th grade, sign up at the Amphitheater, with David Wirth & the STEM+C TARC Team)

11:45AM: **Rocket Launches** at the launch site (with David Wirth & the STEM+C TARC Team)

12:30PM – 1:30pm: RC Helicopter Demonstration Flight **John Serio, Greg Ringle, Tj, Matt Vinyard, Mike Wetherly....3d, Speed Run, Scale Flight**

1:30: **Build a Rocket** at the Amphitheater (20 kids 3rd grade-8th grade, sign up at the Amphitheater, with David Wirth & the STEM+C TARC Team)

1:00PM-2:20pm **Combat** (Dollar Tree, Flite Test foam board, or foam planes only, Prize for the winner)

2:30PM: **Rocket Launches** at the launch site (with David Wirth & the STEM+C TARC Team)

3:00PM – 3:30pm: 3D demo flight, **Kevin Garland, and Mike Truhe**

3:30pm-4:00PM: **Embry Riddle UAV/UAS students UAV/UAS Demo, LYNX Vtol**

4:30PM: Raffle Begins (Must be present to win)

5:00PM-5:20PM: **Final Combat** (Dollar Tree, Flite Test foam board, or foam planes only, prize for the winner)

7:00pm – Open Night fly, bring out your night flyers

7:30pm - 8:00PM: **LED FPV STEM Wing Racing Demo/formation fly**

8:00pm: End of the day/ No Flying/Tear down begins

Sunday, April 10th

Open fly, fun fly, Wing Racing, Quads Welcome!

Where: Elliot and Ellsworth, [The Basin 115](#)

Time: 2:00pm – 7:30pm

