



PIMA AIR & SPACE
MUSEUM

Pima Air & Space Museum

Highlights for Ages 12+

(Objective: Teens crave challenge, intensity and authenticity)

Before Your Visit: Take the virtual tours!

#1. We highly recommend teens speak with our docents, many of them pilots and past crew members.

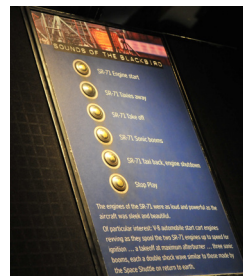


Main Hangar:

- Use MyGeoTrex smartphone app to learn more about aircraft on your smart device (your phone carrier message and data rates apply). Inside the hangars look up the planes alphabetically, outside use the GPS function of the app.
- Take in the Wright Flyer display, when powered, controlled, piloted flight all began (noting how Orville's hips control the wing shape, key to the brothers' success)
- See the world's smallest bi-plane, the Starr Bumble Bee
- Enjoy the world's smallest jet, the BD5J Micro Jet, as seen in the James Bond movie, *Octopussy*
- Look inside the cockpits (up the observation stairs) of the
 - F-4 Phantom II (in the USAF Thunderbird paint scheme),
 - F-14 Tomcat as featured in the movie "Top Gun"
- Enjoy actual "Huey" aka Iroquois helicopter film footage from the pilot's point of view (video and sound).
- See the "Huey," the star of the Vietnam War, starring in an excerpt from the movie "Apocalypse Now" (the clip

does depict violence).

- Look up to the Mikoyan-Gurevich 15 aka the infamous MiG 15 of the Korean War
- Notice the runway designations painted on the floor (giant numbers, dotted and solid lines) that represent one tenth of the magnetic azimuth (angular measurement) of the runway's heading in degrees: a runway numbered 09 points east (90°), runway 16 is south (160°), runway 27 points west (270°) and runway 36 points to the north (360°) rather than 0°. The numbers are spoken individually, "runway one six."
- Check out the film clip #15, "Always PBY: a fishing experience" on the Seaplanes' exhibit monitor (the Grumman Goose sort of crashes on video No. 12)
- Listen to the SR-71 sounds (favorites include take-off and the sonic boom/breaking the sound barrier, although we have purposely toned down the volume of the sonic boom)



Hangar 3:

- Examine the B-24 display and open bomb bay
- Investigate the 409th Exhibit with P-47 mission video footage in the cockpit
- Study the missile displays (German V-1, Fritz-X, & the Raytheon Standard)

Hangar 4:

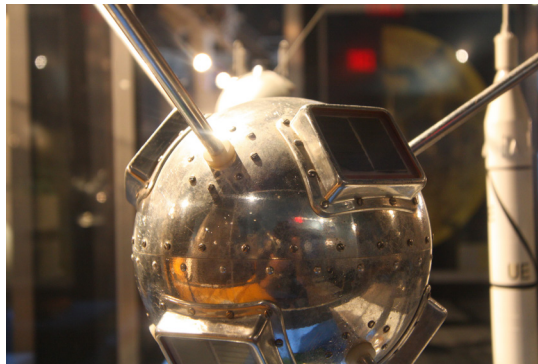
- Check out the 409th Exhibit and watching the P-47 mission footage from inside the cockpit
- Push the button to study how the engine mechanisms rotates (This was used for training.)
- Explore the Boeing B-29 “Superfortress” display, open bomb bays and video (inside the bomb bay!)
- Read the story of Lt. Curdis and the P-51, noting the unusual assortment of kills



- Assess the Japanese Oscar (the Japanese Army's lighter version of the Japanese Navy's Zero)

Space Gallery:

- Play the “Gemini/Agenda Docking Simulator,” the real life version of a video game (it's not as easy as it looks!)
- Work the Lunar Lander Simulator
- Check out the Space Gallery Handouts (grab the NB-52A, #52-0003, X-15 Mission Markings sheet before checking out the B-52A outside)
- Follow the Space Race
- Ponder the uniqueness of the Russian model of the moon



Outdoor Planes:

- Scan QR Reader codes for information (located on the outdoor planes' signs)
- F/A-18 with the U.S. Navy “Blue Angel” paint scheme (Note: F for Fighter and A for Attack)
- F-15 Eagle (can fly straight up!)
- NASA “Supper Guppy” (carried the Hubble Telescope)
- K-135 Stratotanker aka the “Vomit Comet” (weightlessness in our atmosphere).
- Sikorsky MH-53 “Pave Low” helicopter
- Sikorsky “Skycrane” helicopter (can lift and carry 16,000 lbs. of cargo)
- Compare three B-52s, especially the farthest west, NB-52A with the X-15 mission markings from all the Mercury astronauts launched from its under-the-wing cradle



KEY: Red denotes recommended for Ages 1-4+
Green denotes recommended for Ages 4-7+
Blue denotes recommended for Ages 8-11+
Purple denotes recommended for Ages 12+

Note: Aircraft and exhibits require maintenance and may not be on display at all times.

