

# **Detailed Information – OBAP APPLE VALLEY, CA ACE ACADEMY**

## **About OBAP ACE Academy**

The Organization of Black Aerospace Professionals Summer ACE Academy is a nationally recognized program co-sponsored by the Federal Aviation Administration (FAA) and the National Black Coalition of Federal Aviation Employees (NBCFAE).

The purpose of Aviation Career Education (ACE) is to offer first level exposure to the aviation industry by providing aviation career exploration for middle and high school students. Academy participants learn about aviation history, theory of flight, and other aviation related subjects. Students will have the opportunity to go on field trips to aviation facilities, museums and participate in other hands on activities designed to give students a total aviation experience.

## **Overview**

The Apple Valley ACE program is designed to expose youths to the wide variety of career opportunities in aviation. The goal is to provide an opportunity for students to receive hands on experience of learning the history of aviation, fundamentals of aerodynamics, the role of government in aviation, and the many careers available in the aviation industry. Students will meet Aviation Professionals and participate in field trips to a variety of aviation facilities and educational institutions.

## **Activities**

As a member of an ACE Academy you may:

- Take an orientation flight in a Cessna or Piper aircraft
- Receive basic aviation education
- Take field trips to different aviation related facilities
- Be introduced to aviation history
- Fly a full-motion flight simulator
- Learn the qualities of leadership
- Associate and work with other youth
- Meet professionals from the aviation community
- Operate unmanned aerial systems and remote control vehicles

## **Admission Requirements**

Admission is offered to boys and girls from 14 to 18 years old who have an interest in learning about aviation. Applicants are competitively ranked based on age, cumulative GPA, and essay.

- Students must be physically capable of participating in all activities.
- High standards of behavior and self-discipline are expected and students must abide by all academy regulations.
- Parents or guardians must attend an orientation before programs begin.

## **Application Process**

There is a \$50.00 nonrefundable application processing fee for ALL APPLICANTS to cover administrative costs. Additional fees are specific to the academy and are noted

There is an application deadline is May 30, 2017.

The requirements are:

1. Submit a \$50.00 nonrefundable application fee. Payable online during the application process.
  - a. If you require sending payment by Check or Money Order, you must contact the national office at 1-800-538-6227. Make all check/money orders payable to: OBAP - -- ACE Academy
2. Submit a completed online ACE Academy application. Once completed be sure to PRINT and bring to the first day or orientation of the academy.
3. Complete the online essay.
  - a. Write and submit an essay of one page (only one page) expressing your interest in aviation. You may include your hobbies, civic involvement, and extra--- curricular activities
  - b. We recommend you give some thought to your essay as it is reviewed by your director.
  - c. You may also consider typing it in MS Word or another text editor and cut and paste the content into the essay text block. Note you are only allowed a certain amount of space.
4. Submit a copy of your most recent official school transcript or report card indicating your cumulative GPA

**Incomplete packages will not be considered for admission and all documents will be discarded.**

Academy Cost: Vary. However, there is an application---processing fee: \$50.00 for all students (unless approved by the national office)

Students will need money only if they intend to purchase personal items and are responsible for keeping their own funds.

### **Dates, Times and Locations**

Dates: June 3, 10, 17, 24, 2017 June 26 - 30, 2017  
July 1, 2017  
See Schedule Below

Time: Millionaire Mind Kids Smart Center

Location: 15377 First Street Victorville, CA 92395

<p><b>Day 1: Saturday, June 3: 8:00 AM - 12:00 PM</b>  8:00 AM - 8:45 AM - Orientation  9:00 AM – 11:45 AM - Academics  12:00 - Lunch  <b>Location: Millionaire Mind Kids Smart Center:  15377 First Street, Victorville, CA 92395</b></p>	<p><b>Setting Expectations/ Team Building: Parent/Student Orientation Breakfast, Meet and Greet</b>, Documents/Waivers collected, Academy overview, Safety and Security Briefing, Remind Students to bring IDs/establish dress code  Pre-test, History of Flight, Theory of Flight, Why STEM, Homework: Build your Resume'</p>
<p><b>Day 2: Saturday, June 10: 8:00 AM - 12:00PM</b>  9:00 AM – 11:45 AM – Academics  12:00 - Lunch  <b>Location: Millionaire Mind Kids Smart Center:  15377 First Street, Victorville, CA 92395</b></p>	<p>Airplane Basics; Basic Instruments; Simulator Introduction;  Physiology  <b>Homework:</b> Research plane of your choice</p>
<p><b>Day 3: Saturday, June 17: 8:00 AM - 12:00PM</b>  9:00 AM – 11:45 AM – Academics  12:00 - Lunch  <b>Location: Millionaire Mind Kids Smart Center:  15377 First Street, Victorville, CA 92395</b></p>	<p>Powerplants; Navigation;  <b>Homework:</b> Research Aviation Pioneer of your choice</p>
<p><b>Day 4: Saturday, June 24: 8:00 AM - 12:00PM</b>  9:00 AM – 11:45 AM – Academics  12:00 - Lunch  <b>Location: Millionaire Mind Kids Smart Center:  15377 First Street, Victorville, CA 92395</b></p>	<p>Career Goals, Interview Techniques, Networking; Aerospace Career Opportunities  <b>Homework:</b> Find a scholarship; <b>Research:</b> Embry Riddle, P.A.R.T.S., COMAV - Mission, Purpose, Product Line, Partners &amp; Careers;</p>
<p><b>Day 5: Monday, June 26 (Field Trip –SCLA) 8:00 AM—4:00PM</b>  8:00 AM Breakfast  9:00 – 10:15 AM Embry-Riddle Aeronautical University  10:30 AM – 12:30 PM COMAV Tour, Lunch  1:00 PM—3:30 PM Pacific Aerospace Resource Technologies (P.A.R.T.S)  Depart SCLA at 3:30 PM  Arrive at MMK Smart Center: 4:00 PM  <b>Location: Millionaire Mind Kids Smart Center:  15377 First Street, Victorville, CA 92395</b></p>	<p><b>Breakfast 8:00—8:30 AM</b>  <b>Field Trip Facilitator:</b> Orientation, Safety Briefing  Tour Facilities and Information, Ask Questions  Embry Riddle, P.A.R.T.S., COMAV  Return to MMK Smart Center to: Share Experience,  Write Thank You Letters  <b>Home Work Assignment: Research:</b>  Research SCLA School of Aviation, General Electric Aviation, ORBIS</p>
<p><b>Day 6: Tuesday, June 27 (Field Trip –SCLA) 8:00 AM – 4:00 PM</b>  <b>Meet at MMK Smart Center 8:00</b>  <b>Leave MMK Smart Center: 8:30AM</b>  <b>Arrive SCLA at 9:00</b>  <b>SCLA School of Aviation (A &amp; P)</b>  <b>Lunch 12:00 PM</b>  <b>General Electric 1:00 PM</b>  <b>Depart SCLA at 3:30 PM</b>  <b>Arrive at MMK Smart Center: 3:50 PM</b>  <b>Location: Millionaire Mind Kids Smart Center:  15377 First Street, Victorville, CA 92395</b></p>	<p><b>Breakfast 8:00—8:30 AM</b>  Safety Review</p> <ul style="list-style-type: none"> <li>• All Day Trip to SCLA. We will visit:</li> <li>• SCLA School of Aviation (A &amp; P School)</li> <li>• Mercy Air Helicopter (Rescue)</li> <li>• Fire Station (Crash and Recovery Equipment)</li> <li>• Safety wiring hands on practice</li> <li>• Air Traffic Control Tower</li> <li>• Fire Department</li> <li>• Leading Edge Paint Facility</li> </ul> <p>Write Thank You Letters  Homework: Research Gliders, VVRCF</p>
<p><b>Day 7: Wednesday, June 28 (Field Trip) 9:00AM—4:00 PM Victor Valley RC Flyers, 6727 Arrowhead Lake Road, Hesperia, CA 92345</b></p>	<p><b>Build and fly model gliders</b>  <b>Homework: Research General Atomics, Air Traffic Control</b></p>
<p><b>Day 8: Thursday, June 29 (Field Trip –SCLA) 8:00 AM – 4:00 PM</b>  <b>Location: Millionaire Mind Kids Smart Center:  15377 First Street, Victorville, CA 92395</b></p>	<ul style="list-style-type: none"> <li>• SCLA School of Aviation (A &amp; P School)</li> <li>• Control Tower</li> <li>• General Atomics ??</li> </ul> <p>Homework: <b>Research:</b> Apple Valley Airport, EAA Young Eagles;</p>
<p><b>Day 9: Friday, June 30 - Classroom 8:00 AM – 4:00 PM</b>  <b>Location: Millionaire Mind Kids Smart Center:  15377 First Street, Victorville, CA 92395</b></p>	<p>Classroom: Guest Speakers; Safety Briefing, Aircraft Preflight; Helicopters, Rockets  Write Thank You Letters  Graduation</p>

ACE Academy Schedule (above) is an example of the daily scheduled activities. Note: MMK is currently pursuing relationships with the companies listed, some companies have not yet confirmed. Students will be required to research each organization prior to the field trips. 3/24/2017

**Contact Us**

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**Photo Gallery**

