OBAP NEWARK ACE ACADEMY
ACE ACADEMY 2025

DATE: JULY 21ST – 25TH

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About the OBAP Newark ACE Academy

The Organization of Black Aerospace Professionals 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 Aerospace 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 Newark ACE program is designed to expose youth 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 about the history of aviation, contributions made by minorities in aviation, fundamentals of aerodynamics, the role of government in aviation, and the many careers available in the aviation industry. It is also designed to help students understand the importance of education and how it relates to various aviation and aerospace careers. Students will also experience the joy of flight by flying in the right seat of an aircraft.

Students will meet Aviation Professionals and participate in field trips to a variety of aviation facilities and educational institutions.

Activities

As a member of Newark ACE Academy, you will:

- Take an orientation flight in a Cessna or Piper aircraft
- Receive introductory aviation education
- Take field trips to different aviation-related facilities
- Be introduced to aviation history
- Fly a full-motion flight simulator, when available
- 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, when available

Admission Requirements

Admission is offered to students from **13 to 18** years old who have an interest in learning about aviation and aerospace. 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.

Location

Science Park High School

260 Norfolk St

Newark, NJ 07103

Contact Information

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Date	Time	Activity
Monday July 14th	1800 – 1900	Mandatory Parent/Guardian Virtual Briefing
Monday July 21st	0715 – 0745	Staff Arrives/ Prep classroom
	0800 – 0900	Welcome/General Safety Briefing/Meet the Team/Ice Breaker Exercise/ Student Introductions
	0900 – 0910	Break/ Change into ACE Academy shirts
	0910 – 1100	Group Photo/ Introduction to Flight/ Aircraft Structure & Components/ Flight Instruments
	1100 – 1115	Break
	1115 – 1200	Lesson: Wind tunnels/ Weather
	1200 – 1300	Lunch/ Flight Simulator
	1300 – 1400	Lesson: Aerodynamics
	1400 – 1415	Break
	1400 – 1515	Lesson: Phonetic Alphabet/ Airport Signs
	1515 – 1530	Break
	1530 – 1645	Guest Speaker: Aaron Carr, King Movement
	1645	Daily Wrap-up and Dismissal/ Homework

Date	Time	Activity
Tuesday July 22nd	0730 – 0745	Staff Arrives
	0800 – 0815	Students arrive/pick up breakfast/ board bus
	0815 – 1000	Travel to Trenton – Mercer Airport
	1030 – 1200	Welcome Brief & Intros/ break into 2 groups (12 students) Group 1: Discovery Flight/ Infinity Flight School Tour Group 2: Infinity Flight School Tour/ Discovery Flight
	1200 – 1300	Transition to Johnson & Johnson/Lunch
	1300 – 1330	**Johnson & Johnson Tour** Group 1: J&J Tour New Hangar Group 2: State Police static display Group 3: J&J Tour Original Hangar
	1330 – 1400	**Johnson & Johnson Tour** (cont'd) Group 1: State Police static display Group 2: J&J Tour Original Hangar Group 3: J&J Tour New Hangar
	1400 – 1430	**Johnson & Johnson Tour** (cont'd) Group 1: J&J Tour Original Hangar Group 2: J&J Tour New Hangar Group 3: State Police static display
	1430 – 1530	Regroup in classroom for Q & A
	1530 – 1700	Return Travel Science Park High School/ Expectations for Wednesday/ Dismissal

Date	Time	Activity
Wednesday July 23rd	0730 – 0745	Staff Arrives
	0800 – 0820	Students Arrive/ pick up breakfast/ Collect Homework
	0830 – 0930	Debrief Discovery Flights/ Johnson & Johnson/ Q&A
	0930 – 1000	OBAP Membership/Programs and Scholarships
	1000 – 1015	Break
	1030 – 1200	FAA Presentation
	1200	Lunch
	1300 - 1400	Preparing for the Future (Finances, Resume's, Interviewing)
	1400 - 1530	Proof of Concept
	1530 – 1630	Team Builder
	1630 – 1700	Daily Wrap Up and Expectations for Thursday/ Dismissal
Date	**Time**	**Activity**
Thursday July 24th	0715 – 0730	Staff Arrives
	0730 – 0800	Students Arrive/ board bus/ breakfast on bus
	0815 – 0945	Travel to McGuire Air Force Base
	1000 – 1530	McGuire Air Force Base Tour/Lunch/ USAF Experience
	1530 – 1700	Return Travel to Science Park High School

Date	Time	Activity
Friday July 25th	0730	Staff Arrives
	0800 – 0815	Daily Review
	0830 – 0900	Travel to Newark Liberty International Airport
	0930 – 1530	Newark Liberty International Airport Tour/Lunch
	1530 - 1545	Break/ Exit Survey Completion
	1545 – 1630	Graduation Ceremony/ Dismissal
	1700 – 1720	Return Travel to Science Park High School/ Dismissal

Important Notes

Student Drop-off and Pickup. Students will need to be dropped-off and picked-up daily at Science Park Hight School. Please see the address below.

Science Park High School

260 Norfolk St
Newark, NJ 07103

Nearby Hotels

Courtyard Newark Downtown
858 Broad Street, Newark, NJ 07102
973.848.0070

DoubleTree by Hilton Newark Penn Station
1048 Raymond Blvd, Newark, NJ 07102
*This hotel is directly across the street from Newark Penn Station.
973.622.5000

Graduation Ceremony

A graduation ceremony will be held on Friday, July 25th at the Newark Liberty International Airport, Terminal C at 4:00pm in The Liberty Room. Parents & Guardians, you are welcome to attend the ceremony.