

**Our Website:**

<http://americanshs.net>

**Principal:**

**Mr. Stephen Papp**

[stephenpapp@dadeschools.net](mailto:stephenpapp@dadeschools.net)

**Assistant Principal:**

**Dr. Ursula Garbutt**

[garbutt@dadeschools.net](mailto:garbutt@dadeschools.net)

**Academy Lead Teacher:**

**Manuel Cox, NBCT**

[justincx@dadeschools.net](mailto:justincx@dadeschools.net)



**OUR MISSION:**

TO PREPARE STUDENTS THROUGH PROBLEM SOLVING AND TECHNOLOGICAL PROFICIENCY IN ORDER TO ENTER A FIELD OF ENGINEERING, WITH THE FOUNDATION FOR DEVELOPING AND PRESENTING CREATIVE INNOVATIONS.



**ACADEMY OF  
ENGINEERING**

**@**

**AMERICAN SENIOR  
HIGH SCHOOL**

HOME OF THE PATRIOTS  
18350 NW 67 AVE  
HIALEAH, FL 33015





### Tuskegee Air-Show partners with ASHS Academy of Engineering

The Academy of Engineering at American Senior High School utilizes the Project Lead the Way Curriculum with nationally certified instructors to facilitate a pre-engineering platform that provides multiple industry certification and college credits.

9<sup>th</sup> grade – Introduction to Engineering Design

(Autodesk Inventor certification)

10<sup>th</sup> grade – Principles of Engineering

(REC Robotics certification)

11<sup>th</sup> grade – Digital Electronics

(Florida Engineering certification)

12<sup>th</sup> grade–Engineering Design & Development



The Academy of Engineering uses the rigorous national curriculum of Project Lead the Way to emphasize how newly learned skills can be applied to the workplace. The curriculum is based on the ideals of work-based learning and 21st century skills, to provide students with comprehensive instruction in hands-on projects that prepare them to take advantage of higher education opportunities. Student participation in SECME Olympiad, UM Build It, Youth Fair, FIRST Robotics, Girls Who Code, TEN80 Racecar, and VEX Robotics competitions provide avenues to apply engineering concepts and theories toward real world problems.



### Patriot Partners:

- US Naval Academy
- Florida Department of Transportation
- Florida International University
- Miami Dade College

### Engineering a Bright Future:

- Completion of academy courses qualifies for Bright Futures Scholarships.
- Capstone projects include STEM-guitar making and flight simulations!
- 3-D printing incorporation into CAD training coming soon.
- Annual college tours include UM, FSU, UF, FAMU, NSU, FIU, USF, FGCU, FAU, & STU.
- Students can earn college credits.
- Paid internship opportunities!

