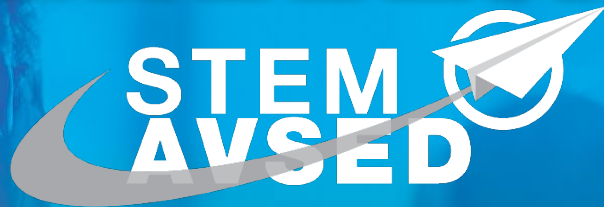


# AIRPORT DESIGN CHALLENGE



Aviation & Space Education

Presented to: Texas Aviation Conference

By: Chuck Tackett, FAA Southwest Region

Date: April 13, 2023

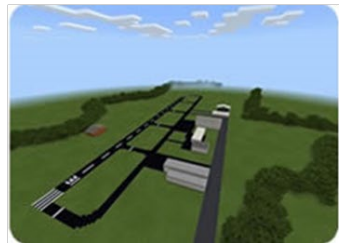


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# What is the Airport Design Challenge?

- Students model actual airports using Minecraft
- Organized lesson plans build on one another
- Knowledge check assignments verify student learning and involvement
- Collaborative communication between students, teachers, parents, and FAA staff
- STEM based applied knowledge in math, engineering, and aerospace career development



Teachers



Home School



Scout Groups



Civil Air Patrol



AOPA High School Curriculum



# ADC to Date and Beyond

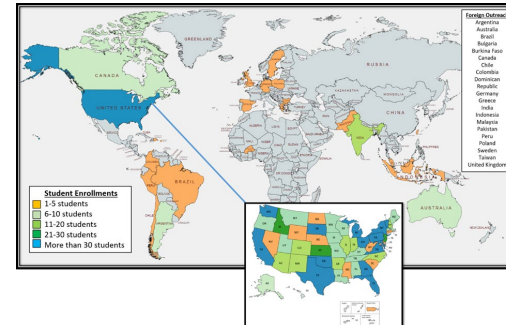


## Previous success includes:

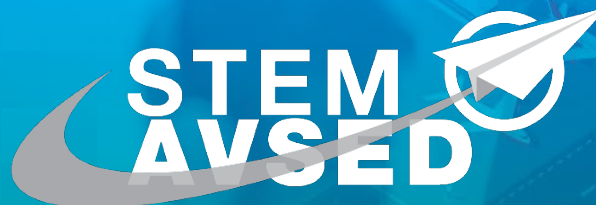
- Through three iterations, nearly 5,000 students (K-12 grades) participated from every US State and 29 foreign countries
- FAA judges score student projects and provide meaningful feedback to each team
- Awards programs delivered live over the web with more than 25,000 viewers and 70,000 social media impressions

## A Year-Round Model

- Students can immediately enroll when they learn about the program
- Allows students the flexibility to create more detail and gain a better understanding of their airport
- Educators in the classroom can adapt the program to fit within their existing curriculum requirements



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