

STEM PILOT TRAINING

All Saints Catholic School, Norwalk



2023-2024

PROJECT UPDATE



Grant Amount: \$15,000

Project Cost: \$15,000



150 Students Impacted

Grades 6-8

PURPOSE: To purchase a STEM Pilot where students can learn the theory of flight integrating science and math while they learn to fly on a flight simulator. STEM Pilot training has been integrated into a new Engineering program for Upper School that is helping students with problem solving skills, collaboration, and critical thinking process and teaching them principles of flight leveraging STEM concepts such as geometry, algebra, trigonometry, physics, meteorology, geography and topography.

IMPACT: . This project is helping students to learn principles of aerospace engineering and physics concepts about lift, density, and forces. The first step before using a simulator is to allow student to build an airplane model and test it on the field as part of the lesson plan. It is helping with curiosity, visualization, and rapid solutions when they encounter problems with the flight path or lesson. It is also helping them with math, specially the dimensional space which helps them understand concepts as a coordinate plane and motion. In just the first year, some students have improved their math, science, engineering and problem solving skills.

FUTURE PLANS: This program will continue as part of the Engineering and Innovation program and as part of our extended day "After the Bell Program."

