

Full STEAM Ahead!

Based on significant educational research and local community input on preparing for the world of work, Space Coast High School maintains the STEAM Academy. The STEAM Academy is a small learning community with a drafting and an engineering focus. With input from the local businesses and industries, the Science, Technology, Engineering, Aerospace and Manufacturing Academy, **STEAM**, emphasizes manufacturing and technological processes within the drafting and engineering world.

Challenge, Choice, Character...

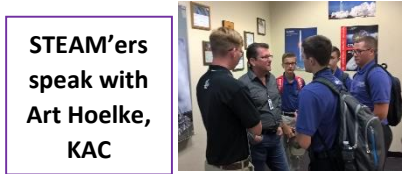
STEAM provides a **challenging** approach to the high school program which focuses on technical studies that are relevant to the world of work as they study in the fields of drafting and engineering.

STEAM provides a pre-engineering pathway that allows students from a wide range of abilities and career interests to have the opportunity and the **choice** to qualify for the high tech, high demand, high paying jobs in engineering, technology, manufacturing and drafting.

STEAM provides a learning environment which stresses the development of strong **character** personally and ethical behavior professionally delivered in a supportive learning structure.



Students create Trebuchets; below they draft projects.



STEAM'ers speak with Art Hoelke, KAC

Students explore real-world applications at Sky Zone; below a student drives construction equipment at FLDOT event!



Thanks to students, parents and teachers, fun and food!



National recognition, KSC and Johnson Space Center Engineers work with HUNCH students, High schools United with NASA to Create Hardware

Partnerships with area manufacturing company Knight Armament, and NASA HUNCH engineers for the ISS!



Impacting Our Students...

DIRECTION: A program of study with an engineering, manufacturing and technological focus. Drafting is included.

BE AN ENGINEER: A pre-engineering college preparatory pathway for the student who desires to be a professional engineer.

BE A TECHNICIAN: An engineering technologist career path leading to a ready to work, industry certification, college credit certification, or Associates in Science Degree.

CURRICULUM THAT MAKES SENSE: Curriculum which is relevant and challenging.

FOCUSED LEARNING ENVIRONMENTS:

A dedicated instructional team who will provide continuity in student/teacher/mentor relationships built throughout the duration of enrollment.

INDUSTRY CERTIFICATIONS: A goal to earn 4 industry certifications which may lead to immediate entry into the workforce after graduation upon completion of the program.

SUMMER CAMPS, SHADOWING, OR INTERNING: Opportunities for Summer Engineering camps in 9th and 10th grades, with career shadowing and possible internships available as an upperclassman.

INDUSTRY TIES: Increased opportunities for guest speakers, industry contact, and field trips to workplace facilities.