



TECHNOVATION I AND II

MIDDLE SCHOOL ELECTIVES

(FORMALLY ROBOTICS AND ENGINEERING I & II)



COMPUTER PROGRAMMING



ELECTRONICS



SCIENCE OF FLIGHT

TECHNOVATION I (6TH GRADE)

This introductory course ignites a passion for technology and innovation through the exciting worlds of robotics and engineering. Students will learn the fundamental principles in mechanics, electronics, and computer programming by engaging in hands-on projects. Students will design, construct, and program basic robots to tackle challenges, cultivate teamwork, improve problem-solving abilities, and develop a solid understanding of the engineering design process.

TECHNOVATION II (7TH AND 8TH GRADE) - COUNTS FOR HS CREDIT

Building upon the foundational knowledge gained in Technovation I, this course will dive deeper into more complex and practical robotics applications while introducing aviation and more advanced coding. Students will apply their engineering skills to design and program more advanced robots for real-world scenarios. They will explore the core principles of flight, aerodynamics, and elementary drone design.