

PRINCIPLES OF ENGINEERING H**Enrollment Based 10, 11, 12****Prerequisite - Introduction to Engineering Design or Design 1, Introduction to Computer-Aided Design, concurrent enrollment in science, completion of or concurrent enrollment in Geometry or teacher recommendation**

Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation. Projects are integrated into all units of study. This course is taught at all five high schools.