



Engineering 9

Course Code: MADGE09ENG

This introductory engineering type course is design-challenge based; students design, draft and fabricate projects to solve problems. The following design challenge projects are typical: trebuchets, towers, bridges, sumo-bots, rockets and hydraulic robot arms. Design challenge projects begin with brainstorming, follow to design and drafting, and then fabrication. Final products are tested and evaluated for their ability to solve the specified problem. As well as practical skills, students learn transferable life-skills such as problem solving, work ethic, perseverance, and collaboration. Safety is emphasized in the introduction of power tools and machines.

Supplemental fees help to provide consumable materials. Supplemental Fee \$40