

Mrs. Marian Foster's Engineering Project

My students develop Engineer Corporations, Engineer Business plan, Engineer Sales Plan, Engineer Products, Engineer Journals, and Engineer Presentations Boards for an Engineer Fair Week. This Fair explains the concepts of the different Engineer disciplines, and is the time when the mentor engineers judge the presentations and projects.

The second grade develop and build Skimmer Toy Boats, Skimmer Toy Boat Corporations, Skimmer Toy Boat Engineer Journals, Skimmer Toy Boat Presentation and Board. The mentors are Civil Engineer, Mr. Powell, and the United States Coast Guard. The students take a field study to the United States Coast Guard station for an in-depth tour of the boats, equipment and the station. The students learn about all the facets of being in the United States Coast Guard, and about how the different boats function.

The third graders develop and build a Toy Glider Plane, an Aerospace Engineer Journal, Toy Glider Engineer corporation, Toy Glider Presentation and Board. The mentors are Aerospace Engineer, Mr. Crouch, and the Air Force engineer/pilots from the 45th Air Lift Command Squadron, Keesler Air Force Base . The field study with this is to the Flight School of the 45th Air Lift Squadron and touring the Lear Jet.

The fourth grade develops and builds a Toy Electric Car, Toy Electric Car Corporation, an automotive/Mechanical Engineer Journal, and a Mechanical Engineer Toy Electric Car Presentation and Board. Mentors are: Mechanical Engineer, Mr. Ball and Hyundai Dealership Owner, Mr. Scott Allen. The field study for this project is a tour of Allen Hyundai Dealership with Mr. Scott Allen who give an in-depth study of car manufacturing to car selling techniques.

The fifth Grade develop and build an advance Electrical project, an Electrical Engineer Corporation, Electrical Engineering Journal and an Electrical Engineering Presentation and Board. The mentors Electrical Engineer, Mr. Sandburg, Electrical Engineers in residence at Mississippi Power, and Electrical Enginee , Mr. Chatham. The field study with this project is an in-depth tour with Mr. Sandburg through the Mississippi Power Plant. Here Mr. Sandburg shows the students all the facets of the Power Plant to see how the different Electrical engineering concepts are use on the job site.

This project is provided by the Society of Automotive Engineers all the different requirements are all engineer base with heavy concentration in Science and math.

Engineer project 2-5th grade/ Gifted skills: Critical thinking, Career exploration, Communication, Creativity, Life Skills, Leadership, Logical Thinking, Organizational Skills, Affective Skills, Group, Self Directed Learning, and mentorship's. D.O.K. Levels: 1.2.3.4.