Forge Capstone:

Design and build a dual fuel forge that can reach forge welding temperatures for steel. The design needs to allow for a workpiece that is 5”x5”x8” to fit in the fire box. Additionally, the forge should be designed to accommodate parts longer than 8” to be heated but still run efficiently with smaller parts. The forge needs to run on propane or natural gas with minor modifications. Burner needs to be adjustable for desired temperature and maintain a neutral flame.

Key outcomes will be to minimize cost of operation and heat transfer to the workspace.