**Outcome:** Students will be able to Use the design process to Design, build, Refine, Complete the building of a small low pressure boiler.

**Lecture:** Lecture to review: Boilers Types, Brainstorm multiple design ideas for boiler build project.

**Demo:**

1. Multiple Demos from Previous years along with Lab cutaway demo.

**Homework:** *Collaborating as a group begin to create a conceptual Design along with a preliminary budget for the group boiler construction project.*

**Documentation:**

1. Rankine Cycle – Boilers.pptx

**Competency Mastery -** Students to demonstrate their abilities to recognize and describe the internal build and appropriate working along with advantages and dis-advantages of the different types of boilers.