Welding Fabrication (Virtual)

NC Alterations 2021

\*Refer to the National Contest Standards For this Contest.

**SCOPE OF THE CONTEST**

1. **The Team will design a SELF-DUMPING HOPPER.**

**Hopper Requirements:**

* Hopper must hinge.
* Hopper must be able to hold 1-2 cubic feet.

**Process Requirements:**

* Your plan must include: GMAW, GTAW & SMAW processes.

**Blueprint Requirements:**

* Your Team is to draw the Blueprints. CAD preferred. But may be hand-drawn (then scanned and submitted).
* All Welding Symbols and Finishing Symbols must be included/identified.
* Cutting List can be included in the blueprint packet, but not required.
* Maximum of 5 pages.

1. **BILL OF MATERIALS & QUOTE**

**You are to submit a Bill of Materials and a quote** (for less than $1,000)**.**

Submit both your Blueprint package and your Quote/Materials Bill in your Canvas Contest Access Portal by **April 15 midnight.**