

ADDITIVE MANUFACTURING

Please see attached contest updates for these contests:

- Additive Manufacturing

Please see attached for the Additive Manufacturing project that is due **on March 6**. Students should submit designs to michael@ttaweb.com and CC tmazhani@tcsq.edu on the submission. The rest of the contest itself will occur at the GWCC on March 13 at the conference. Thanks!

2020 SkillsUSA GA Additive Manufacturing Competition

Description: Additive Manufacturing (AM) uses the idea of designing prototypes of parts in ways that would either take too long or be impossible to manufacture using traditional manufacturing methods. Parts designed using AM are normally consisted of moving, working assemblies printed in a single print utilizing soluble supports that would be too costly or impossible to produce applying alternative manufacturing methods. All designs submitted to be judged at SkillsUSA GA should be designed using AM in mind.

Test: Students will be tested on different levels of AM including but not limited to:

1. Print Time
2. Print Material Consumption
3. Engineering Design Notebook
4. Was the part designed with AM in mind?
5. PowerPoint Presentation of the design process
6. Forces applied to the part to replicate realistic application

Questions should be sent to michael@ttaweb.com.