

SkillsUSA Maryland State Championship 2024 Additive Manufacturing Contest Update

To best simulate the SkillsUSA national competition, the 2024 SkillsUSA Maryland Additive Manufacturing state contest will be held as a multi-day event with both remote and in-person components.

On Tuesday, **April 09, 2024, 8 a.m.**, a contest update will be posted to the State Conference page (just like this update) allowing teams access to the design challenge. Teams will then have one day to complete their design of the device that they will 3D print for this challenge. **NOTE: No late submissions will be accepted.** Once the team submits their design, no further changes can be made to their device.

The completed design submissions from the team ***MUST*** include:

- Fully-dimensioned technical drawing sheets, developed in CAD, that are submitted as PDFs

The completed design submissions from the team may also include:

- Optional hand sketches or other design documents that the team created. **NOTE: There are no points awarded for optional sketches or documents. This is solely for the purpose of aiding the judges' understanding if the team believes such documents are helpful.**

All design documents must be ***RECEIVED*** as email attachments and timestamped no later than Wednesday evening, April 10, 2024, 5:00 p.m. This allows teams approximately 24 hours to finalize their design. Teams can resubmit design revisions as long as the 5:00 p.m. deadline has not expired. **NOTE: Teams are encouraged to practice efficient time management and not wait till the last minute to submit their design.**

Student teams will have the remaining time before the Friday, April 12, 2024, competition to 3D print the design they submitted to the judges. Teams are welcome to work on 3D printing the physical model at school or at another location. All 3D printed models for this contest may be made from ABS model filament (other model filaments are acceptable).

Teams should arrive at the BWI Airport Marriott with their printed assembly or device for the in-person portion of this contest, Friday evening, April 12, 2024, contest will begin at 7 p.m. Teams will demonstrate the function of their device in the performance evaluation section of the contest. That evening, both team members will also participate in a team interview with a judging panel.

Email required design documents by April 10, 2024, 5 p.m. to: jpbrown@jbtsinc.com

Best of luck to all competing teams!

Contest Chair: Mr. Joshua Brown, President – JB Technical Solutions Inc., Waynesboro, PA

(see jbtsinc.com)