



2025 NJ TSA TECHNICAL DESIGN PROBLEM

Dorm Room Bedside Tray

College dorm rooms are known to be small and have limited space for personal items. Colleges provide a bed, dresser, and a small desk and chair. The chairs tend to be very uncomfortable and most students resort to working on their homework from their beds. Students like to snack while completing homework. Students find it difficult to type with a laptop laying on one's lap and juggling food without making a mess on their beds.

Your challenge is to design a removable bedside tray to fit with a dorm room bed that can easily keep a laptop, a drink, and snack(s) safe while working from one's bed. The bedside table should include but not be limited to: an area to place a laptop, a drink holder, a snack holder, and a phone holder/charger. Think creatively about the design. This tray should be universal. All dorm room bed frames are not the same, therefore this design should be independent and not attached to the bed.


Prepare a portfolio that includes each step of the technical design process loop. You do not have to build models of the tray, but the design must be explained through text and hand-drawn sketches, as explained in the Regulations for this event in the Middle School Competitive Events Guide.

SUBMISSION DIRECTIONS:

Teams must upload their Documentation Portfolio as a PDF attachment by 5pm on Tuesday, March 25, 2025.

To upload entries, students will go to <https://judgepro.registtermychapter.com/org/jpnj-msstate/conf/jpnj-msstate/student#>

To log in, students will enter their NJ TSA State Conference ID# and password. The password (same for all students) is available in your advisor's conference registration, in the tab that says Export Judges System Student Submission Information: (see screenshot below)



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(Click the above link to edit your Chapter information)

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A few reminders before submitting your entry:

1. Students must be registered for the State Conference BEFORE they upload projects. Students must have their State Conference ID# in order to access the online submission system.
2. Team Captains will need to submit entries for team events.
3. It would be helpful if file names included the name of the event, and the student or team ID# (e.g. Technical Design1234-1.pdf)

Please contact goeke2@tcnj.edu or turner25@tcnj.edu with any questions.