



2024 NJ TSA TECHNICAL DESIGN PROBLEM

Car Accessories

Car accessory sales are on the rise and automobile companies are looking for some additional new accessories that can fit in a center console cup holder.

New accessories with practical value are always in particular demand.

Your challenge is to design three (3) accessories that fit in a cup holder of an automobile make and model of your choice. The three (3) accessories should have the ability to be interchangeable on one base, with different parts for different functions. Possible items include a phone holder, coffee warmer, food holder, laptop or tablet holder. Think creatively about the design of each item and visibly display the automobile company logo on the accessory.

Prepare a portfolio that includes each step of the technical design process loop. You do not have to build models of the accessories, but the design of the accessories 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 19, 2024.

To upload entries, students will go to <https://judgepro.registernychapter.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)



NJ TSA State Conference 2022
Middle School Online Registration
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Registration for
Frelinghuysen Middle School
(Click the above link to edit your Chapter information)

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[Export Judges System Student Submission Information](#) Right-click [here](#) and select Save Target As to download the data if it does not start automatically.

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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 with any questions.