



# Washington Only Event WOODSHOP

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## OVERVIEW

Participants design and construct a woodworking project and provide a description of how the product could be manufactured in a state-of-the-art American industry. Finalists will participate in an oral interview/presentation about their project.

## 2021-22 CHALLENGE

Participants may choose one (1) of the following options:

1. 24"x24"x24" or smaller
2. Larger than 24"x24"x24"

## PURPOSE

Create quality wood products using different materials with innovative features that have relevant application for consumers.

## ELIGIBILITY

Entries are limited to three entries per chapter. A student may only enter one item.

This is a Washington-only event. Participants will not be eligible to move on to the National TSA Conference in this event.

## TIME LIMITS

Entries must be started and completed during the current school year.

## ATTIRE

Business Casual dress as described in Competitive Events Attire is the minimum requirement.

## PROCEDURE

- A. Participants check in their entries at the time and place stated in the conference program.
- B. Entries are reviewed by evaluators. Neither students nor advisors are present at this time.
- C. Finalists participate in interview with judges.
- D. Participants pick up their entry from the display area at the time and place stated in the conference program.

## REGULATIONS

- A. Each entry consists of the product itself and accompanying documentation.
- B. Each entry includes a single “shelf-ready” product
  - 1. Only original products designed by the participant may be entered. A product made from a kit is not allowed. However, the use of a commercially produced plan may be used as a guide to design and fabricate the product.
  - 2. Standard hardware, pre-manufactured parts, and specialty items such as clocks, pens, handles etc. may be purchased and used in the manufacture of the prototype.
  - 3. The product is limited to size limits are described in the Challenge section.
  - 4. The use of advanced woodworking techniques such as inlays or the use of non-wood materials to accent the project is encouraged.
  - 5. The product should display good workmanship and effective use of the selected materials (craftsmanship).
  - 6. The product should function in a manner that solves the problem identified at the beginning of the challenge (appropriate solution).
  - 7. The product must not include combustible flammable fuels.
- C. Documentation Portfolio
  - 1. The documentation is contained in a clear plastic portfolio and is computer-generated on 8½" x 11" paper (except for the working drawing).
  - 2. The portfolio contains the following sheets or multiple page sections in the following order:
    - a. Cover sheet—centered on the page in consecutive lines, the product name, followed by conference site and the conference date, one (1) page.
    - b. Description of product—a written description of the product, instructions for its use, its need or intent, and related safety considerations, one (1) page. A description of unique features & techniques should be included here.
    - c. Working drawings—an orthographic dimensioned drawing, assembly, or pictorial may be presented, with orthographic drawing(s) shown first in this section. Drawings may be on paper no larger than B size (11" x 17") and folded to fit the portfolio, up to three (3) pages
    - d. Materials list—a bill of materials including costs (also, size and market value) used to fabricate the product must be incorporated. Each item or sub-assembly should be identified as a student-produced standard stock item, or purchased sub-assembly. All hardware and finishes should also be identified, one (1) page

## EVALUATION

Entries are evaluated on the documentation provided in the portfolio and on the quality of the product. Please refer to the official rating form for more information.



<b>WOODWORKING DESIGN</b>										
2021 & 2022 Official Rating Form							High School			
Competitor ID#										
<b>Evaluation Criteria</b>										
<b>Documentation (25 pts)</b>										
Product Description..... 10 pts										
Working Drawings..... 10 pts										
Materials List..... 5 pts										
<b>Product (100 pts)</b>										
Overall Design..... 20 pts										
Uniqueness, originality,..... 10 pts										
Use of Materials..... 10 pts										
Craftsmanship..... 20 pts										
Joinery..... 10 pts										
Techniques Used..... 20 pts										
Finish..... 10 pts										
<b>SUBTOTAL</b>										
Rules violation ..... minus 20 pts										
<b>TOTAL</b>										
<b>Comments:</b>										