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2022 INDIANA SkillsUSA CHAMPIONSHIPS
Task and Materials List

SKILL OR LEADERSHIP AREA: <u>**Technical Drafting**</u>

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CONTEST LOCATION:
> Indiana State Fairgrounds West Pavilion
> 1202 E 38th St.
> Indianapolis, IN 46205

DATE: April 9, 2022
TIME: 6:00 am- Concessions open for breakfast
>   7:45 am be in contest area
>   8:00 am contest begins

PURPOSE:
> To evaluate each contestant's preparation for employment and to recognize outstanding students for excellence and professionalism in the field of technical drafting.

CLOTHING REQUIREMENTS:
NO SCHOOL LOGO OR SCHOOL AFFILIATION ANYWHERE ON CLOTHING or IT MUST BE COVERED COMPLETELY
- Men: White polo shirt with black dress pants, black socks and black leather shoes
- Women: White polo shirt with black dress pants or skirt (no higher than knee), black socks or black or skin-tone seamless hose with black leather shoes.

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AWARDS CEREMONY DRESS CODE

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A Dress Code will be enforced during the Awards Ceremony. To accept an award "on-stage", the student must wear the "Official SkillsUSA Uniform", State T-Shirt or the competition attire. NO SHORTS OR HATS!!!

MATERIALS:
> SUPPLIED BY COMMITTEE:
> - USB drive
>
> SUPPLIED BY CONTESTANT:
> - Laptop with AutoCad program loaded on
> - Calculator
> - Pencils
> - calipers
> - mechanical ruled scale
> - may bring published reference books including software manuals, technical drafting textbooks and Machinery's Handbook. Student notebooks and copied materials are not allowed. Resources must take up less than 1 cubic feet of space. *(Note: No other drafting equipment is required except for the items previously listed.)*

CONTEST RULES:
1. Once the contest begins no technical assistance will be given to the contestants. Only general instructions on contest procedure will be given.
2. No electronics other than your computer. That means no cell phones, headphones,mp3 players, iPods, GPS modems, radios, etc. – nothing wireless – no flash drives or memory sticks. All of the above will be monitored and anyone caught using these items will be disqualified.
1. Contest drawing requirements *may* include the following:
   a. *Model* - create a model from an actual part given to the contestant, which is to be measured and free hand sketched before modeling. This model will be left on the contestant's computer screen.
   b. *Assembly* - create assembly drawings from various detail drawings. May include revisions, which must be notated correctly. More than one view may be included per sheet. Views should be spaced evenly and drawn to scale as well as ballooned / called out with appropriate numbers.
   c. *Design* - given drawings/specs of certain parts, mating or corresponding part(s) must be designed and drawn (i.e., given A and C, must design B).
   d. *2D Detailing* - given a large assembly drawing, contestant must pull out various parts and detail for manufacturing; details must be completely dimensioned and documented. Contestant may be required to pull out 3D solids and convert to 2D. Contestant may have to apply revisions.
   e. Judges will evaluate only detail drawings. 3D modeling will **not** be considered on detail drawings.

CONTEST INFORMATION:
1. Approximately 3-4 hours will be allowed for the entire contest (free-hand technical sketching and computer). A specific time limit will be determined by the technical committee and given to the contestants during the contest orientation. Sketching and taking notes during the contest is permitted.
2. **Contestants should report to the competition area 15 minutes prior to the contest start time listed in the program.** Contestants finishing early will gain no advantage nor receive bonus points. However, the contestants must remain in the designated area until their plots are completed. Then contestant MUST leave the contest area.
3. Contestants must be able to prepare their drawings for plotting. **Contestants *will* plot their drawings**. Contest officials may assist with plotting the drawings.
4. <u>**FILE MANAGEMENT IS THE RESPONSIBILITY OF THE CONTESTANTS.**</u>
   a. NO pre-drawn CAD files are allowed unless it is part of the software package. Only software-provided library files will be allowed.
   b. *No zip, flash, floppy, or CD files are allowed.*
7. The contest will follow SkillsUSA National guidelines. Non-compliance with contest rules may result in disqualification.

Revised 4/5/22