



3D CAD

Event Specifications

FRESNO CITY COLLEGE EVENT CONTACT For any specific event questions, please contact:	
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SCOPE OF CONTEST

3D CAD will start at 9:30 AM and end at 10:30 AM. Contestant will be given a mechanical drafting problem especially chosen for 3D modeling.

NUMBER OF COMPETITORS

Individual event, limited to 30 competitors.

Fresno ROP reserves the right to modify enrollment due to limited spaces available

RULES AND PROCEDURES

The problems will test the contestant's skills and knowledge of the following CAD issues:

- Design Intent
- Solid modeling
- 2D sketching
- Geometric relations
- Extrusions
- Applied features

The drawing requirements may include, but are not limited to, the above areas. Necessary problem background information, drawing requirements and reference materials will be provided.

JUDGING CRITERIA

Judging will be done automatically and be based on who can create the models accurately (Volume Measurement) in the least amount of time.

EQUIPMENT AND MATERIALS

1. Supplied by the Career Skills Challenge:
 - a. Computer workstation using Windows 10
 - b. Choice between SolidWorks, Inventor, Fusion 360, or OnShape
 - c. 2 button wheel mouse