

SKILLS COMPETITION MECHANICAL CAD– SECONDARY LEVEL

Date: Wednesday, February 26, 2020

Location: Loyalist College

PURPOSE OF THE CONTEST:

To provide competitors with the opportunity to demonstrate their skills and knowledge in Mechanical CAD through practical application and interviewing.

SKILLS AND KNOWLEDGE TO BE TESTED:

- Interpret blueprints used to detail mechanical components
- Create 3D parametric models, assemblies, presentations, animations and renderings.
- Develop 2D layouts (drawings) using either Autodesk AutoCAD, Autodesk Fusion or Autodesk Inventor
- Annotate layouts using dimensions, leaders, hole notes, threads, balloons, parts lists, center marks and notes
- Export .PDF files of the layouts developed

EQUIPMENT AND MATERIALS SUPPLIED BY THE COMMITTEE:

- Personal computer
- Autodesk Professional Product Suite

EQUIPMENT SUPPLIED BY THE COMPETITOR

- Safety shoes
- Safety glasses

SAFETY

Safety is the number 1 priority at Loyalist College. At the discretion of the judges and technical support any competitor can and will be removed from the competition site for not having the appropriate for not practicing safe codes of conduct.

Rules and Regulations

- Late arrivals will be disqualified from the competition
- A competitor will be disqualified for showing any disregard for themselves, other competitors or the equipment.
- A competitor will be disqualified for using equipment or materials that are not permitted
- A competitor will be disqualified for dishonesty or cheating.
- Competitors are not permitted to wear logos, except for school or school board logos.

ADDITIONAL INFORMATION

- Skills Ontario Scope: https://www.skillsontario.com/files/www/2024_Scopes/2024_-_Mechanical_CAD_SPS_FINAL_updated.pdf
- If you require alternate software or would like to use your own computer, please contact JBraithwaite@loyalistcollege.com.