

Updates for All Technical Cluster Contests which are held at DeVry University

Contestants in all **Technical Cluster Contests** must dress in a "professional" manner. This includes official SkillsUSA dress or white shirt and black tie or other appropriate dress. **T-shirts, jeans and sneakers are not allowed and will result in a scoring penalty.**

3-D Visualization and Animation - The 3-D Visualization and Animation contest takes place at DeVry University on Saturday, May 3rd. The contest begins at 9:00am and lasts for 4 1/2 hours. This competition mimics the real world production environment where creative output must be accomplished within specific timeframes, resources and design constraints. This is a two-person team event. Contestants must produce high quality images and an animated short subject using 3D computerized images. Students are tested on their technical knowledge, production skills and creative/artistic abilities, and do storyboarding (visual planning). All work must be original and made on site. **NO** prior models, textures or elements can be used for the competition. Contestants must bring drawing paper and drawing pencils for their storyboards. All contestants **MUST** bring their own computers (2) with the 3-D animation software of their choice pre-installed on both computers. There will be **NO** computers available for this contest at DeVry and contestants will not have access to the internet.

Architectural Drafting - Contestants will use their drafting skills to solve an Architectural problem. The problem includes a written test and a computer-generated problem. Computers will be set-up at DeVry with a version of AutoCAD, Autodesk Revit and Autodesk Architectural Desktop installed on them. If possible, we will use current versions. There will be **NO** board drafting. The contest tests the contestants' problem solving abilities, not simply their CAD skills. Contestants **must bring a blank flash(thumb) drive and pencil**. All work must be saved on the flash(thumb) drive which must be labeled with the contestant's ID number. Students can get their drives back after all grading is complete. Contestants are allowed to bring two reference books, one for the subject matter and one for the software. **STUDENTS DO NOT BRING THEIR OWN COMPUTERS**

Technical Drafting - Contestants demonstrate their ability to create and produce drawings that solve industry developed engineer design problems. Contestants must generate a solid model of a component from an engineered problem and produce drawings from an engineered assembly. Computers will be set-up at DeVry with a version of AutoCAD, Autodesk Revit and Autodesk Architectural Desktop installed on them. If possible, we will use current versions. There will be **NO** board drafting. The contest tests the contestants' problem solving abilities, not simply their CAD skills. Contestants **must bring a blank flash(thumb) drive and pencil**. All work must be saved on the flash(thumb) drive which must be labeled with the contestant's ID number. Students can get their drives back after all grading is complete. Contestants are allowed to bring two reference books, one for the subject matter and one for the software. **STUDENTS DO NOT BRING THEIR OWN COMPUTERS**

Technical Computer Applications - Tests contestants on all aspects of Microsoft Windows and Microsoft Office Professional. The contest includes a written exam and hands-on skill demonstrations. Contestants **must bring a blank flash(thumb) drive and pencil**. All work must be saved on the flash(thumb) drive which must be labeled with the contestant's ID number. Students can get their drives back after all grading is complete.

Robotics and Automation Technology - Challenges two-person teams to demonstrate operation and use **RoboCell** software which will be installed on DeVry computers. Bring a copy of the RoboCell User Manual.

Computer Maintenance Technology - The CMT contest requires contestants to identify and repair computer hardware malfunctions, solve configuration problems, and install common components. This year's contest will consist of a written test only. Students are not required to bring any tools.

Please contact Solomon Starkman @ sstarkman@linden.k12.nj.us if you have any questions.