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PUBLIC MEDIA   I D E A FUSION

THE CONSORTIUM FOR
interactiveinstruction

1. Some of the rules have changed slightly, please read them carefully.
2. It is the contestant's responsibility to make sure that judges can load your entry. Remember that the judges cannot judge what they cannot see.
3. The decision of the judges is final.
4. *EQUIPMENT MAY NOT BE REMOVED BEFORE 2:45 PM unless completely necessary. Otherwise, it will need to be left up for the walk around after the awards ceremony.*

NOTE: Printers are no longer needed for any category.

SPECIFIC RULES FOR LEVEL IV - GRADES 9-12

1. At the start of the contest, teams will be given their contest problems. Read the instructions carefully to determine how many problems must be completed in your category. **Follow directions**! Failure to do so can disqualify your entry.
2. Contestants will have **three hours** to work on their problems. **(9:30am – 12:30pm)**
3. Be sure to save your work. Remember to save each solution with a **different name**.
4. Leave the judging form (sample form included) by your computer.
5a. **GRAPHIC DESIGN:** Note that the problem choices **may** allow animation and clip art. Some problems **may** allow the use of scanners or digital cameras. At the end of the contest time, the solution that is to be judged must be left up on the computer screen. At the end of the contest time, contestants must leave a completed judging form. Contestants should leave their work up on their computer screen and have it saved. **Printer is not needed. Internet is allowed (need wireless capability).**
5b. **DESKTOP PUBLISHING:** Dictionaries and/or spell check programs **may** be used. Additional clip art packages, scanners, and digital cameras *can* be used, but will not be graded any higher than simple clip art. At the end of the contest time, contestants must leave a completed judging form. Contestants should also leave their work up on their computer screen and have it saved. **Printer is not needed. Internet is allowed (need wireless capability).**
5c. **OBJECT-ORIENTED BUSINESS & SCIENTIFIC/NON-BUSINESS PROGRAMMING:** Each problem has a different point value, and the winner is chosen based on the total number of points earned. At the end of the contest time, contestants must leave **one** of their programs up and running, or ready to run. Any other programs must be saved. At the end of the contest, contestants must have a judging form by the computer. The judging form must have complete written instructions for loading each program. Partial solutions will be judged. Editors are allowed for OBJECT-ORIENTED BUSINESS PROGRAMMING. **Printer is not needed.**
5d. **MUSIC COMPOSITION:** Your problem solutions should be in the form aural compositions that the judges will load and listen to. The judging form must have complete written instructions for loading each program. Each team is required to have earphones. No external speakers are allowed. **Printer is not needed.**
5e. **INTEGRATED APPLICATIONS:** So that students do not have to type in data, an ASCII delimited file will be provided. All information used in the database, spreadsheet, and word processor should be saved in separate files. At the end of the contest, must leave a completed judging form. **Printer is not needed.**
5f. **WEB DESIGN:** Contestants will create a web page using the tools and browsers that each contestant has provided. No Internet connection will be needed for this part of the competition. Remember to leave the completed judging form by your computer. Teams will be disqualified if they use an existing web page. **Printer is not needed.**
5g. **DESKTOP PRESENTATIONS:** Dictionaries and/or spell check programs **may** be used. Additional clip art packages, prepared animation, scanners, and digital cameras *can* be used, but will not be graded any higher than simple clip art. At the end of the contest time, contestants must leave a completed judging form by the computer. They should leave their work up on their computer screen and have it saved. It is recommended that each participant has earphones, but it is not required. **Printer is not needed. Internet is allowed (need wireless capability).**
5h. **CAD:** Contestants will create views as solutions to the CAD problem. At the end of the contest time, contestants must leave a completed judging form by the computer. They should also leave their work up on their computer screen and have it saved. Additionally, instructions for loading the views must be printed on the judging forms. **Printer is not needed. 3-D SOFTWARE IS ALLOWED.**

5i. **VIDEO EDITING:**
PRE COMPETITION: You are receiving the video ahead of time so you can view the video and import it into your video editing software. We included 2 video formats, .wmv and .mp4. Your editor should be able to accept one of these formats. **YOU ARE NOT BEING ASKED TO EDIT AHEAD OF TIME, ONLY TO IMPORT AND VIEW THE VIDEO.** Tape logging/paper edits are allowed and you can bring them to the competition. Questions can be directed to gcc@whro.org.
COMPEITION: Contestants will create a video telling a story using provided video and music options, with editing software supplied by the student. Additional video or music is not allowed. Voiceovers may be required. At the end of the contest time, contestants must leave a completed judging form by the computer. They should leave their work up on their computer screen and have it saved. It is recommended that each participant has earphones, but it is not required. **Mic is needed. No printer is needed.**

5j. **CYBER SECURITY:** Contestants will solve a selection of cyber security problems using their choice of tools. Contestants will use their laptops on which VMware Workstation Player is installed before the competition, and will be given a VM for the competition. They can install any tools they might need before the event. Judges will evaluate the answers to problems without considering the tools used. Answers will be delivered digitally. At the end of the contest time, contestants must leave a completed the judging form. **Need Airmon compatible wireless adapter and VMWare Player installed. No printer is needed.**
Helpful tools and skills: Kali Linux, firewall basics, Microsoft Baseline Security Analyzer, sysinternals tools, bash scripting, http, ftp, nmap, sqlmap, netcat, wireshark, nikto, ZAP, burp suite, hexeditor, rdesktop.

6. In general, remember that the judges cannot judge what they cannot see or hear! If the judges cannot load your solution, it will not be judged!

7. **The decision of the judges is final.**

8. Medals will be awarded to each contestant on the First, Second, and Third Place teams. Plaques will be awarded to the First, Second, and Third Place schools. A three-foot tall traveling trophy will be awarded to the first place school in each category. Ribbons will be awarded to each contestant on teams awarded Honorable Mention. All contestants will receive a certificate of participation and a t-shirt. Note: All places, 1st, 2nd, 3rd, and Honorable Mention may not all be awarded based on the discretion of the judges.