

State SkillsUSA Championship 3D VISUALIZATION AND ANIMATION

Contest Date: April 6, 2010

Contest Location

Shears Technology Center
Hutchinson Community College
1300 N Plum St
Hutchinson KS 67501
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Contest Update

- | | |
|----------------|---|
| 8:30 – 8:55 AM | Registration – Room Shears Technology Theater Lobby |
| 9:00 | Report to STC Theater, room 210 <ul style="list-style-type: none">• Orientation for contestants• Advisors, faculty, and sponsors leave the room• SkillsUSA Tie-breaker taken by contestants |
| 9:15 | Contestants will be escorted to contest area by contest chairs <ul style="list-style-type: none">• VA – 3D Visualization and Animation – Room STC117• Turn in résumé in to the contest chair |
| 9:15 – 9:35 | Written test (online using Angel) You will be provided a logon username and password |
| 9:35 – 9:45 | Contest orientation from contest chair (Handouts) |
| 9:45 – 10:15 | Storyboard process |
| 10:15 – 11:30 | Skills portion begins |
| 11:30 – 12:00 | Lunch – Room STC210 (Technology Theater) |
| 12:00 PM | Resume skills portion of contest |
| 4:00 PM | Final rendering should be underway |
| 4:45 PM | Contest ends. All work is to be turned into the judges on flash drives. |
| 5:00 PM | Judging begins for all contest areas (closed to teachers, advisors, and students). Results will be announced at the SkillsUSA Championships Awards Banquet. |

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Contest Clothing Requirements

- There is no specific clothing requirement other than business casual or nice, clean, blue jeans with a polo shirt.
- Also acceptable, but not required is;
 - Previous SkillsUSA state T-Shirts and nice jeans
 - SkillsUSA windbreaker and nice jeans
 - Official SkillsUSA uniform as describe below

For men: Official red blazer, black slacks with white dress shirt, plain black tie with no pattern or official SkillsUSA black tie, black socks and black shoes.

For women: Official red blazer, black skirt or slacks with businesslike white, collarless blouse or white blouse with small, plain collar that may not extend onto the lapels of the blazer, black sheer or skin-tone seamless hose and black dress shoes. **Note:** T-shirt-style tops are not approved.

Equipment:

All students should bring a *Flash Drive* with enough storage capacity to save their files for the judges. Flash drives will be returned after your files have been saved to the server

If you are supplying your own computer you must meet the following requirements;

- Setup the night before, April 5, 2010. Setup time will be 3:00 PM to 6:00 PM.
- Software necessary to complete the contest problem.
- Devices necessary to connect to the World Wide Web.
- Cables necessary to connect all peripherals.
- Power strips for all devices
- Extension cords

Equipment Provided

Computers:

- HP xw4600 Workstation
- Intel® Core™ 2 Duo CPU E8400 @ 3.00GHz 3.00GHz
- 4.00 GB (3.48 GB of useable) RAM
- Windows 7 Professional
- Internet Explorer 8

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Software:

- Autodesk Entertainment Suite
 - 3ds Max 2010
 - Mud Box
 - Soft Image
 - Motion Builder
- Microsoft Paint
- AutoCAD 2010
- AutoCAD Revit 2010
- Windows Movie Maker

Story Board Materials: colored pencils, colored markers, tape, paper, etc.
Tables with chairs

Contest Rules

1. Judges are sole authorities that determine content and procedural violations.
2. Theme and content must be appropriate for the nature of this contest.
4. All copyright laws are to be followed.
5. All entries to the contest must be created by the teams during the contest.

Scope of the Contest

1. Students create and animation from scratch, based on information and guidelines provided by contest chair.
2. The contest is a two-person team event and tests technical knowledge, production skills, creative/artistic abilities and storyboarding.

Technical Scoring and Standards

CONTEST SCORECARD

Items Evaluated Possible Points

Planning.....	100
Overall Quality	150
Textures.....	150
Visual Clarity.....	150
Visual Accuracy	150
Animation Quality	150
Written Test	150

Sub Total 1,000

Résumé Penalty _____

Clothing Penalty _____

TOTAL _____

Contest Requirements

- Complete a storyboard presentation representing the idea and sequence of your animation. This will be done *before* you begin your animation on the computers.

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- Create three to five still images from varied scenes and perspectives rendered in medium resolution (640 x 480 to 1024 x 768 pixels) and true color (24, 32, or 64 bits per pixel). Submit to judges on your USB drive. Still images may be output to TIF, TGA, JPEG or GIF formats. **Save files using your *contestant number* in the following format;**
 - Still Images:** 24211_IMAGE1.jpg, 24211_IMAGE2.XXX,
 24211_IMAGE3.XXX, etc.
 - Max Files:** 24211_Contest.max
 - Animation Files:** 24211_Scene1.avi, 24211_Scene2.avi,
 24211_Scene2.avi, etc.

- Provide a rendered animation for playback with a *minimum* length of 15-seconds/450 frames. Plan your rendering time so that it is finished and ready to hand in to the judges at 4:45 PM. Long rendering times will cut into your design time and may cause you to miss the deadline. Points will be deducted for late completion.
- Output to Microsoft Movie (AVI), Macintosh QuickTime (MOV), or Windows Movie Maker file to a USB drive. **Save final animation using your contestant number in the following format: 24211_Final.avi**
- Save all other files to the USB drive using **only** your contestant number. Do not put your name on **any** of the files you turn in to the judges.
- Teams will receive no assistance from other teams, instructors, or observers. Contest chairs may assist teams but points may be deducted depending on the type and amount of help needed.

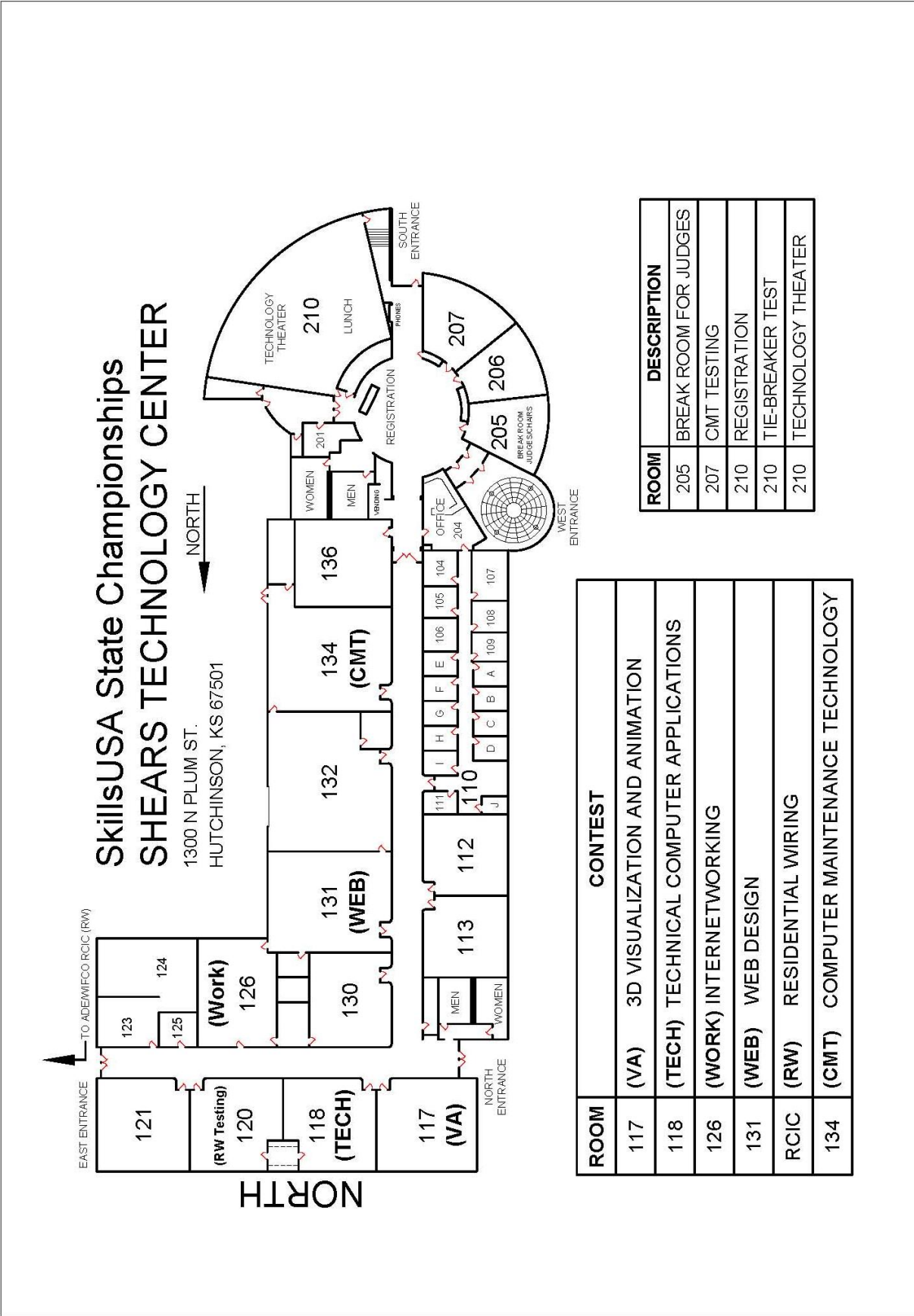
This is a link for the Hutchinson City map:

<http://www.hutchchamber.com/map.php>

The following is a link to the HCC maps and directions site.

http://cms.hutchcc.edu/hcc/home.aspx?menu_id=36&id=2426

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ROOM	CONTEST
117	(VA) 3D VISUALIZATION AND ANIMATION
118	(TECH) TECHNICAL COMPUTER APPLICATIONS
126	(WORK) INTERNETWORKING
131	(WEB) WEB DESIGN
RCIC	RESIDENTIAL WIRING
134	(CMT) COMPUTER MAINTENANCE TECHNOLOGY

ROOM	DESCRIPTION
205	BREAK ROOM FOR JUDGES
207	CMT TESTING
210	REGISTRATION
210	TIE-BREAKER TEST
210	TECHNOLOGY THEATER