

Kansas SkillsUSA 2012
Screen Printing Technology

[State Level Performance Test]

General Information
For
Technical Committee Members
Judges
State SkillsUSA Directors
Screen Printing Instructors
And
Contestants

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Kansas SkillsUSA 2011

Screen Printing Technology Plan

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Screen Printing Technology
Organizational Structure

- I. Performance Test Chair and Co-Chair Responsibilities
 - A.Coordinates details of organization.
 - B.Reviews floor plans for performance test.
 - C.Coordinates acquisition of equipment and supplies.
 - D.Identifies and appoints judges.
 - E.Assigns local committee members a list of needed supplies to have on hand on the day of the performance test: staples, pencils, marking pens, paper, and other consumable items.
 - F.Arrange for security of performance testing area the evening before the day of the competition.

- II. Technical Committee Responsibilities
 - A.Selects competencies to be tested.
 - B.Develops rating checklists.
 - C.Completes preliminary testing station assignments and rating checklists.
 - D.Determines number of judges needed.
 - E.Obtains names and addresses of judges.
 - F.Determines materials, supplies, tools, and equipment needs for the performance test and identifies probable sources.
 - G.Prepare a complete set of Testing assignments.
 - H.Determines the layout for the performance test area.
 - I.Sets a time schedule for contestants.

- III. Education Committee Responsibilities
 - A.Work with the technical committee to protect the validity of the performance testing procedures.
 - B.Reviews performance test content for accuracy and relevancy.

- IV. Judges Responsibilities
 - A.Judges must attend an orientation session prior to the start of the performance test.

B. Contestants should be allowed to become familiar with the competency testing station with regard to the instructions in the performance testing station assignments found in this plan.

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**Kansas SkillsUSA 2012
Screen Printing Technology
Judges and Time Keepers**

Co-Chair

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Competition Host

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Quality Control Station Judge

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Quality Control Station Assistant

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Registration Station Judge

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Registration Station Assistant

Susan Major
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Shirt Printing Station Judge

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Shirt Printing Station Assistant

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Oral Professional Assessment Judge

Chris Batz
HIX Corporation

Oral Professional Assessment Timekeeper

Susan Major
HIX Corporation

Technical Knowledge Test Administrator

Jesse L. Hudson

Technical Knowledge Test Scorer

Rebecca S. Hudson

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Judges Information

1. Do not ask students their names or form where they came.
2. Information about performance test needs to be given to students at the orientation, which is usually given by the performance test chair or host.
3. Be as consistent as possible and avoid being too generous or conservative when the testing first begins.
4. Judges should not see another judge's ratings.
5. A Screen Printing Technology Performance Test Scorekeeper should tally the scores from each testing station on the Screen Printing Technology Score Sheet as soon as possible after each contestant completes their performance at each competency testing station without conferring with the station judge.
6. If a problem should arise the judge should attempt to solve the problem with minimal disruption of the testing process. Avoid giving the appearance of being helpful to an individual contestant while attempting to solve a problem that would cost the contestant performance points.
7. Tools: If a contestant forgets tools, **judges** are not there to be the "helper". Bringing needed tools is the contestant and their school advisor's job. Do not stall the performance testing process because one contestant did not bring a needed tool.
8. Judges need to know the performance test rules. States are to follow the rules set forth in the SkillsUSA Technical Standards. If a state deviates from the SkillsUSA Technical Standards then the contestants must be told, in advance of entering the competition, about the changes.
9. Judges must not answer cell phones or beepers during a timed performance test.
10. If a performance test organizational problem is encountered the judge should tell the performance test host as soon as practicable.
11. Judges should wear a judge's badge.
12. Judges should try to put contestants at ease.
13. Judges should not laugh at a contestant's performance.

14. Judges should use appropriate language to contestants and testing judges.
15. Judges should avoid coming in contact with a contestant's person. Hand shaking is permissible.
16. Judges are not permitted to indicate to a contestant that they are winning or losing.

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17. Judges who observe cheating should report the cheating to the contest coordinator. Cheating cannot be permitted and the incident must be reported to the State SkillsUSA Director.
18. Judges are role models to contestants; therefore, every effort should be made to avoid visits with instructors or contestants who have an interest in the competition.
19. Judges are asked to complete a judge information sign-in log by listing their name, address, town, Zip, telephone number and company name. Please tell the contest coordinator if you know in advance that you will be able to judge in the succeeding year.
19. Judges are asked to submit their name and communication information. Personnel data is to be used for such as thank you letters and certificates of appreciation. Please help by submitting your personnel data to the contest host.

Kansas SkillsUSA 2012
Screen Printing Technology
Contestant Information Sheet

A. Purpose

To evaluate and rate screen printing contestant's preparation for employment and to recognize outstanding contestants for excellence and professionalism in the field of graphic imaging.

B. Clothing Requirements

These rules are established by SkillUSA general contest requirements.

An apron or smock is optional.

Contestants should consider safety glasses with side shields, ear protection and latex gloves in some of the operational areas such as screen washout.

C. Eligibility

Open to all active SkillUSA members enrolled in technical education programs that teach graphic communications skills.

D. Tools

The technical committee will provide the tools needed at each competency testing station.

Contestants may use rulers, rags, optical devices, markers and other items that they feel will enhance their performance.

Kansas SkillsUSA 2011
Screen Printing Technology
Scope of the Test

- I. Contestants will demonstrate their ability to perform the duties and tasks that pertain to the following list of items to be evaluated. The precise number of duties and tasks required for a competent performance of a screen-printing process will be determined by the Screen Printing Technology Technical Committee with **the level of skill** left to the professional judgment of the Screen Printing Technology Judges.
 - A. Quality Control Inspection
 - B. Image Registration
 - C. Shirt Printing
 - D. Oral Professional Assessment
 - E. Written Technical Knowledge Test

- II. This list of items to be evaluated is selected from the Screen Printing Technology Score Sheet. As listed on the Screen Printing Technology Score Sheet each of the five evaluation areas listed above have an attending number of possible points. Points assigned to areas listed on the Screen Printing Technology Score Sheet that are not used as a testing station will be automatically awarded to each contestant by the Screen Printing Technology Performance Test Scorekeeper.

Kansas SkillsUSA 2012
Screen Printing Technology

I. Performance Test Requirements:

- A. Equipment
- B. Materials
- C. Tools
- D. Judges
- E. Timekeepers

II. Requirements related to items to be performance tested.

A. Quality Control Inspection

White T Shirts with PSU Graphics Technology Design. **(12)**

Six or Eight foot Table for the Q C Inspection **(1)**

Ruler **(1)**

Pantone Color Matching Guide **(1)**

Q C Inspection Rating Sheets **(20)**

Judge **(1)**

B. Screen Registration Station

4 Color 1 Station Manual Rotary Press **(1)**

Conveyer Dryer **(1)**

Screens with the PSU Graphics Tech. Stencils **(6)**

Spot heater **(1)**

Screen holder for removing ink from screen to be registered **(2)**

Squeegees with different length and blade hardness **(4 or 5)**

Screen Registration Rating Sheets **(20)**

Judge **(1)**

C. Shirt Printing Station

4C-1S Little Pro Rotary Press **(1) On casters no crate.**

Screens with the PSU Graphics Tech. Stencils **(3)**

Spot heater **(1)**

Squeegees **(3)**

Shirt Printing Rating Sheets **(20)**

Judge **(1)**

Timekeeper **(1)**

- D. Technical Knowledge Test
 - Copies (14)
 - Test Answer Key (1)
 - Test Timekeeper and Grader (1)
- E. Oral Professional Assessment
 - Interview rating sheets with appropriate questions listed (25)
 - Interviewer (1)

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Kansas SkillsUSA 2012
Screen Printing Technology
Quality Control Problem

Quality Control Problem Assignment

Objective:

Judge the acceptable quality level of a screen-printed lot of five (5) garments before the lot is shipped to the company's customer. The lot should be accepted or rejected in accordance with the instructions given by the quality control assignment written on the quality control problem worksheet.

Quality control station instructions:

- i. Study technical specifications contained in the Tech Pack.
- ii. Obtain the Q. C. problem worksheet from the Q. C. station timekeeper
- iii. Study the quality control problem worksheet assignment and inspection steps.
- iv. Move to garment quality assessment station inspection pedestal.
- v. Select garment number one (1) and spread it out on the inspection pedestal.
- vi. Inspect both sides of the garment number one (1).
- vii. Rate the quality of garment one (1) on the quality assurance worksheet.
- viii. Place garment one (1) in either the **accept** or **reject** pile
- ix. Inspect the remaining four (4) garments according to steps 5, 6, 7 and 8.
- x. Return to the judge or timekeeper and submit your completed quality assurance worksheet.

Judging:

A screen printer will use the quality control problem worksheet, reproduced on the following two pages, to judge the contestant's performance.

- 9. Image colors are registered. _____
- 10. Colors match the customer's standard. _____

Garment 2 Assessment Factors

- | | Accept | Reject |
|---|---------------|---------------|
| 1. Image printed on correct vertical dimension. | _____ | _____ |
| 2. Image printed on center. | _____ | _____ |
| 3. Image not crooked. | _____ | _____ |
| 4. Garment is clean and smudge free. | _____ | _____ |
| 5. Non-image area is free of ink leaks. | _____ | _____ |
| 6. Ink thickness is equal across the image. | _____ | _____ |
| 7. Ink density (thickness) is acceptable. | _____ | _____ |
| 8. Last color traps previous colors. | _____ | _____ |
| 9. Image colors are registered. | _____ | _____ |
| 10. Colors match the customer's standard. | _____ | _____ |

Worksheet continues on the back of this page.

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Garment 3 Assessment Factors

- | | Accept | Reject |
|---|---------------|---------------|
| 1. Image printed on correct vertical dimension. | _____ | _____ |
| 2. Image printed on center. | _____ | _____ |
| 3. Image not crooked. | _____ | _____ |
| 4. Garment is clean and smudge free. | _____ | _____ |
| 5. Non-image area is free of ink leaks. | _____ | _____ |
| 6. Ink thickness is equal across the image. | _____ | _____ |
| 7. Ink density (thickness) is acceptable. | _____ | _____ |
| 8. Last color traps previous colors. | _____ | _____ |
| 9. Image colors are registered. | _____ | _____ |
| 10. Colors match the customer's standard. | _____ | _____ |

Garment 4 Assessment Factors

- | | Accept | Reject |
|---|---------------|---------------|
| 1. Image printed on correct vertical dimension. | _____ | _____ |
| 2. Image printed on center. | _____ | _____ |
| 3. Image not crooked. | _____ | _____ |
| 4. Garment is clean and smudge free. | _____ | _____ |
| 5. Non-image area is free of ink leaks. | _____ | _____ |
| 6. Ink thickness is equal across the image. | _____ | _____ |
| 7. Ink density (thickness) is acceptable. | _____ | _____ |
| 8. Last color traps previous colors. | _____ | _____ |
| 9. Image colors are registered. | _____ | _____ |
| 10. Colors match the customer's standard. | _____ | _____ |

Garment 5 Assessment Factors

- | | Accept | Reject |
|---|---------------|---------------|
| 1. Image printed on correct vertical dimension. | _____ | _____ |
| 2. Image printed on center. | _____ | _____ |
| 3. Image not crooked. | _____ | _____ |
| 4. Garment is clean and smudge free. | _____ | _____ |
| 5. Non-image area is free of ink leaks. | _____ | _____ |
| 6. Ink thickness is equal across the image. | _____ | _____ |
| 7. Ink density (thickness) is acceptable. | _____ | _____ |
| 8. Last color traps previous colors. | _____ | _____ |
| 9. Image colors are registered. | _____ | _____ |
| 10. Colors match the customer's standard. | _____ | _____ |

Number of Garments Accepted is _____.

Number of Garments Rejected is _____.

Lot Accepted _____

Lot Rejected _____

Contestant Identification: _____

Time Finished: _____

Judge's Score Tallied Below This

Line _____.

	Garment1	Garment2	Garment3	Garment4	Garment5	Correct	Multiply	Q. C.
Contestant	Correct	Correct	Correct	Correct	Correct	Checks	Checks	Problem
Identification	Checks	Checks	Checks	Checks	Checks	Total	Total	Score
Number Here							X2=	

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**Kansas SkillsUSA 2011
Screen Printing Technology
Image Registration**

Image Registration Assignment

Objective:

Place a screen on a screen press and register the stencil image to screen stencils that have been registered and used to print an image on a substrate.

Image registration station instructions:

1. Remove the test screen from the reclaim area.
2. Do not remove block-out tape from the registration marks.
3. Register the screen to an image that is being printed on the press.
4. Ink the screen.
5. Test the newly registered image by printing the multicolor image on the substrate provided.
6. Spot cure after each image color **where printing wet on wet is undesirable.**
7. Remove the test image from the press and place it on the conveyer dryer belt.
8. Print two (2) T-shirts.
9. Remove the T-shirts from the press and place them on the conveyer dryer belt.
10. Remove the test screen and place it by the reclaim sign on the worktable.

Judging:

A screen printer will use the image registration station checklist, reproduced on the following page, to judge the contestant's performance, procedure and product.

Time:

A timekeeper will record the time each contestant needed to complete the image registration procedure. A maximum of fifteen (15) minutes is allocated to the image registration procedure.

Points:

A maximum of one hundred (100) points may be given to the contestant for an image registration that meets industry standards.

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Image Registration Station Checklist

Contestant Number: _____ **Time:** _____

Directions: This is a performance evaluation sheet to rate a contestant on a scale of 0 to 4 and 0 to 5 for various items in relation to an occupational competency (skill). This instrument can be used for process, product, safety and time standard evaluations.

Process Evaluation: Evaluation of the process involved with registering a screen-printing screen on a rotary press.

	80 Points Possible				
Contestants Rating for Performance of the Process:	Zero	One	Two	Three	Four
1. Took screen from reclaim area and attached it to the press.	_____	_____	_____	_____	_____
2. Checked the rotary press head for zeroed out position.	_____	_____	_____	_____	_____
3. Cleaned ink from mesh to allow view of printed images.	_____	_____	_____	_____	_____
4. Registered to an image being printed at this station.	_____	_____	_____	_____	_____
5. Checked screen for off contact and level.	_____	_____	_____	_____	_____
6. Checked all screens and screen frames for unwanted ink.	_____	_____	_____	_____	_____
7. Applied ink to screen being registered.	_____	_____	_____	_____	_____
8. Selected appropriate squeegee.	_____	_____	_____	_____	_____
9. Applied proper adhesive and amount to the platen.	_____	_____	_____	_____	_____
10. Flooded the newly registered screen with ink.	_____	_____	_____	_____	_____
11. Printed registered image to a test image on substrate.	_____	_____	_____	_____	_____
12. Spot cured where printing wet on wet is undesirable.	_____	_____	_____	_____	_____
13. Checked test image for ink smears, pin holes, etc.	_____	_____	_____	_____	_____
14. Cured the image in the conveyor dryer.	_____	_____	_____	_____	_____
15. Printed two T-shirts with the multicolor image.	_____	_____	_____	_____	_____
16. Dried the T-shirts in a conveyor dryer.	_____	_____	_____	_____	_____
17. Removed test screen and placed it in reclaim area.	_____	_____	_____	_____	_____
18. Cleaned work area of spills and drips. (If needed)	_____	_____	_____	_____	_____
19. Submitted test image and T-shirts to the judge.	_____	_____	_____	_____	_____
20. Completed registration procedure in allotted time.	_____	_____	_____	_____	_____

Product Evaluation: Evaluation of the registered image in accordance with the following points scale;
0 – reject, 1 -- very poor, 2 -- fair, 3 -- good, 4 -- very good, 5 – excellent

20 Points Possible

Contestants Product Ratings

- 1. Test image was in registration.
- 2. All parts of the image printed.
- 3. Image was not blurred.
- 4. Ink smears do not appear in the image.

Zero	One	Two	Three	Four	Five
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

Total Points Earned _____

Judge's Signature _____

Kansas SkillsUSA 2012
Screen Printing Technology
Image Printing

Image Printing Assignment

Objective:

Print and dry at least five (5) shirts within seven (7) minutes that are of salable quality.

Image printing station instructions:

- a. Check the ink level in each screen.
- b. Check the press shirt boards for proper adhesion.
- c. Operate the printing press to print a multicolor image on shirts.
- d. Spot cure after each image color **where printing wet on wet is undesirable.**
- e. Place the shirts on the belt of a conveyor dryer.
- f. Stack the printed shirts and give them to the judge
- g. Remove ink smears from press, screens, squeegees, tools and image printing station area.

Judging:

A screen printer will use the image printing station checklist, reproduced on the following page, to judge the contestant's performance, procedure and product. Contestants may earn extra points by printing more than five (5) shirts within seven (7) minutes.

Time:

A timekeeper will record the time each contestant needed to complete the image printing procedure. A maximum of fifteen (15) minutes is allocated to the total image printing station procedure. Time stops when the contestant is seated.

Points:

A maximum of two hundred (200) points may be given to the contestant for a high quality image printing performance.

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Image Printing Station Checklist

Contestant Number: _____ **Time:**

Directions: This is a performance evaluation sheet to rate a contestant on a scale of 0 to 8 and 0 to 20 for various items in relation to an occupational competency (skill). This instrument can be used for process, product, safety and time standard evaluations.

Process Evaluation: Evaluation of the process involves assessing how well a contestant can print shirts as well as how fast the shirts were printed on a rotary press.

120 Points Possible

Contestants Rating for Performance of the Process:

Zero Two Four Six

Eight

1. Checked the ink level in each screen.

2. Checked shirt board for proper fabric adhesion.

- | | | | | |
|---|-------|-------|-------|-------|
| 3. Chose and applied proper adhesive type and amount. | _____ | _____ | _____ | _____ |
| 4. Inspected all screens for off contact and cleanliness. | _____ | _____ | _____ | _____ |
| 5. Spot cured when printing wet on wet. | _____ | _____ | _____ | _____ |
| 6. Printed three salable T-shirts, 1 thru 3. | _____ | _____ | _____ | _____ |
| 7. Skillfully placed each shirt in dryer. | _____ | _____ | _____ | _____ |
| 8. Printed T-shirts, salable 4 thru 6. | _____ | _____ | _____ | _____ |
| 9. Skillfully placed each shirt in dryer. | _____ | _____ | _____ | _____ |
| 10. Printed T-shirts, salable 7 or more. | _____ | _____ | _____ | _____ |
| 11. Skillfully placed each of the shirts in dryer. | _____ | _____ | _____ | _____ |
| 12. Stopped printing when seven (7) minutes had elapsed. | _____ | _____ | _____ | _____ |
| 13. Collected the printed shirts from the dryer basket. | _____ | _____ | _____ | _____ |
| 14. Stacked printed shirts with the image up for judging. | _____ | _____ | _____ | _____ |
| 15. Completed printing procedure in allotted time safely. | _____ | _____ | _____ | _____ |

Product Evaluation: Using the printing technical specifications found in the customer's technical packet (Tech.-Pack) evaluate the printed garments in accordance with the following zero to twenty point scale.

Deduct five points for each error found on the garments!

0 – reject, 5 -- fair, 10 -- good, 15 -- very good, 20 – excellent

Contestants Product Points (80 Possible)	Zero	Five	Ten	Fifteen
Twenty				
1. Images were printed at correct height.	_____	_____	_____	_____
2. Images were printed straight and on center.	_____	_____	_____	_____
3. Images were not crooked.	_____	_____	_____	_____

4. Ink evenly applied without smudges on shirts.

Judge's Signature _____

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P S U

Graphics Design

Refer to the Technical (Tech) Standards Packet (Pack)

Note: This design may be new 2012

Design Specifications

Refer to the Technical (Tech) Standards Packet (Pack)

Oral Professional Assessment Station Checklist

Contestant Number: _____ **Time:** _____

Directions: This oral professional assessment checklist is designed to rate a contestant's responses to questions on a scale of 0 to 20. Five question areas or problems should be posed that are related to the contestant's occupational goals in the field of graphic imaging. This instrument should be used to record indications of person's readiness for employment as a screen printer.

Process Evaluation: Evaluation of the process involves interviewing a person who has applied for a job with a company that produces products requiring screen-printing processes. Questions will be related to a performance test that might be given to the applicant by a company's production personnel.

Questions to be developed by the screen-printing technical committee prior to the day of the state level screen-printing performance test.

Questions related to the following areas:

1. Ability to handle assignments
2. Ability to answer questions asked in technical terms
3. Situation handled in a professional manner
4. Demonstration of critical thinking throughout the job interview scenario
5. Realistic self concept

The following page is a copy of the *Oral Professional Assessment Station Checklist* related to the five areas listed above with the attending rating scale for each question area. Note: The specific questions have been removed and will be revised annually by technical committee members.

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Oral Professional Assessment Station Checklist

Contestant Number: _____ Start Time: _____ End Time:

1. Ability to handle work assignments. Question Area Score: 0 to 20 Points _____

2. Answered questions using technical terms. Question Area Score: 0 to 20 Points

3. Situation handled in a professional manner. Question Area Score: 0 to 20 Points

4. Used critical thinking during the interview. Question Area Score: 0 to 20 Points _____

5. Demonstrated a realistic self-concept. Question Area Score: 0 to 20 Points _____

Total Points Out of Possible 100 _____

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Kansas SkillsUSA 2012
Screen Printing Technology
Written Test

Written Test Assignment

Objective:

Correctly answer twenty-five (25) multiple choice test questions. (Questions will relate to graphic imaging and screen-printing processes)

Technical knowledge test station instructions:

1. Read instructions on the test book
2. Use number 2 lead pencil to mark the correct response
3. Give the testing administrator notice when the test has been completed
4. Remain seated until dismissed by the test administrator

Judging:

A technical knowledge test administrator will administer and score the technical knowledge test. Scoring will be accomplished by comparing a contestant's responses to an answer key prepared by the screen-printing technical committee.

Time:

The technical knowledge test administrator will record the time each contestant uses to complete the technical knowledge test. A maximum of fifteen (15) minutes is allocated to the technical knowledge testing procedure.

Points:

A maximum of one hundred (100) points may be given to the contestant who scores 100 percent on the technical knowledge written test.

Skills USA

Screen Printing Technology

Technical Knowledge Examination

Directions:

1. You will have 15 minutes to complete this 25 question multiple-choice test.
2. Write your contestant number on the Scantron Answer Sheet.
3. Use a No. 2 lead pencil to mark your responses to the questions on the Scantron Answer Sheet.
4. Do not mark on this test booklet.
5. When you have completed answering the 50 test questions, place both the answer sheet and test booklet face down on the table and wait for instructions from the testing monitor.

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Kansas SkillsUSA 2012**Screen Printing Technology****Contestant Orientation Agenda**

Contestant Orientation will be conducted in the PSU Kansas Technology Center, room E-211, at 8:45 A. M. on **Friday, April 13, 2012.**

Introductions

Roll call of contestants

Assign contestants their appointment number

Review the testing and demonstration schedule (On Last Page of the Plan)

Review the area to be tested

- a. Quality Control Inspection
- b. Screen Registration
- c. Shirt Printing
- d. Oral Professional Assessment
- e. Technical Knowledge Test

Special instructions:

- a. Performance test flow from station to station
- b. The judging team will not give instruction during the performance test
- c. Pass out the equipment operation manuals

Administer the PDP Test

Questions and Answers

Dismiss to the demonstration and performance testing stations

SkillsUSA KS: Friday, April 13, 2012

Screen Printing Technology Appointment Schedule --- For 20 Contestants

Time	Minutes	Q. C. Inspection	Screen Register	Shirt Printing	Oral Interview	Written Test	Tension & Sublimation Demonstrations
9:00	Test 15	one	two	three	four	five	Group 7 to 15
9:15	Rotation 5						Group 7 to 15
9:20	Test 15	five	one	two	three	four	Group 7 to 15
9:35	Rotation 5						Group 7 to 15
9:40	Test 15	four	five	one	two	three	Group 7 to 15
9:55	Rotation 5						Group 7 to 15
10:00	Test 15	three	four	five	one	two	Group 7 to 15
10:15	Rotation 5						Group 7 to 15
10:20	Test 15	two	three	four	five	one	Group 7 to 15
10:35	Rotation 5						
10:40	Test 15	six	seven	eight	nine	ten	Group 1 to 5
10:55	Rotation 5						Group 1 to 5
11:00	Test 15	ten	six	seven	eight	nine	Group 1 to 5
11:15	Rotation 5						Group 1 to 5
11:20	Test 15	nine	ten	six	seven	eight	Group 1 to 5
11:35	Rotation 5						Group 1 to 5
11:40	Test 15	eight	nine	ten	six	seven	Group 1 to 5
11:45	Rotation 5						Group 1 to 5
12:00	Test 15	seven	eight	nine	ten	six	Group 1 to 5

12:15	Rotation 5						
12:20	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch	
1:20	Test 15	eleven	twelve	thirteen	fourteen	fifteen	Group 6 to 10
1:35	Rotation 5						Group 6 to 10
1:40	Test 15	fifteen	eleven	twelve	thirteen	fourteen	Group 6 to 10
1:45	Rotation 5						Group 6 to 10
2:00	Test 15	fourteen	fifteen	eleven	twelve	thirteen	Group 6 to 10
2:15	Rotation 5						Group 6 to 10
2:20	Test 15	thirteen	fourteen	fifteen	eleven	twelve	Group 6 to 10
2:35	Rotation 5						Group 6 to 10
2:40	Test 15	twelve	thirteen	fourteen	fifteen	eleven	Group 6 to 10
2:45	Rotation 5						
3:00	Test 15	sixteen	seventeen	eighteen	nineteen	twenty	
3:15	Rotation 5						
3:20	Test 15	twenty	sixteen	seventeen	eighteen	nineteen	
3:35	Rotation 5						
3:40	Test 15	nineteen	twenty	sixteen	seventeen	eighteen	
3:45	Rotation 5						
4:00	Test 15	eighteen	nineteen	twenty	sixteen	seventeen	
4:15	Rotation 5						
4:20	Test 15	seventeen	eighteen	nineteen	twenty	sixteen	
4:35	Finish						