



IOWA

FFA ASSOCIATION

NURSERY/LANDSCAPE Career Development Event This is a Skills CDE

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**1055 SW Prairie Trail Pkwy
Ankeny, IA 50023
P: 515-965-7376
F: 515-965-7373
iowaffa.com**

**AG SKILLS CAREER DEVELOPMENT EVENT
GENERAL POLICIES, RULES, RESULTS AND STANDARDS**

***Violations of any of the following rules may be grounds for the disqualification of the participants.**

I. Board Policies

The following board policies (<http://www.iowaffa.com/ffaboardpolicies.aspx>) apply directly or in part to Skills CDEs:

- Board Policy #2: Changes in Judging Event Answer Keys
- Board Policy #3: Changes to Judging Event Results
- Board Policy #11: Substitution of Team Members
- Board Policy #25: Advancement of Teams to National FFA Competition
- Board Policy #27: Use of Electronic Storage/Transmission Devices

II. Eligibly of Chapters and Participants

1. Each state event is open to all FFA chapters in good standing with the Iowa FFA Association. (Exception: Soils Career Development Event is open to the top five teams from each district competition.)
2. Local FFA advisors or their designee entering teams in the state event must register their intent to have a team on Iowa FFA On-Line (<http://anfmp01.dmac.edu/fmi/webd#>) by the due dates and registration fees listed below:
 - a. Before 14 days prior to the event No Charge
 - b. Between 14 days prior and day of the event \$50.00An invoice will be sent to the chapter for the appropriate entry fees at the end of the season.
3. A chapter may enter a separate team in each event held on a particular day. However, no member may participate in more than one Ag Skills Career Development Event on a particular day.
4. After an FFA Advisor registers the chapter's intent to enter a team, the names of the team members are expected to be entered on the Iowa FFA On-Line (<http://anfmp01.dmac.edu/fmi/webd#>) by noon three days prior to the event. Any member not listed on Iowa FFA On-Line will need to be registered as an FFA member using the National FFA MyFFA Account (<https://www.ffa.org>). Changes to online entries may be made the day of the event. State and National FFA Dues will be invoiced in accordance with Iowa FFA Association policies and by-laws.
5. A participant, at the time of his/her participation in the state event and selection as a national team member, must:
 - a. Be a current bona fide dues paying FFA member in good standing with the local chapter, state FFA Association and the National FFA Organization at the time of the career development event in which he/she participates.
 - b. Be a middle school or high school FFA member, (a graduating senior is considered eligible to compete in state and national career development events up to and including their first national convention following graduation). Middle school refers to students in grades 7-8 and high school refers to students in grades 9-12.
 - c. Have been enrolled in high school Agricultural Education during the current/most recent school year with the following exceptions: Meats, Livestock, Dairy Cattle and Milk Quality & Products-must have been enrolled the previous school year or be in grades 8-12 for the current year.
 - d. Currently be an active FFA member of the chapter making entry into the event.
6. A member may not participate in both a state 4-H and state FFA Career Development Event when said events are held on the same day.
7. Participation in one Ag Skills Career Development Event of its type will not exclude an active FFA member from participating in the future Ag Skills Career Development Event, if the participant still qualifies as a middle school or high school FFA member (Rule 5b) providing he/she was not on a state championship FFA CDE team or a national FFA participant in the said event.
8. No student may participate in more than one Career Development Event each year at the national level.

9. For the Soils Career Development Event, each district FFA advisor must email all results including a list of participants for each of the top five teams to the State FFA Executive Director within one business day of the district event.

III. Event Room Conditions

10. Accommodations for participants can be made upon request of the FFA Advisor. The accommodation form must be submitted no less than 14 days prior to the respective event.
11. Any communication, verbal or non-verbal between participants during a career development event will be sufficient cause to eliminate the team member involved from the career development event. The only exception to this would be communication between team members during the team activity portion of a given career development event.
12. Any assistance given to a team member from any source other than the career development event officials or assistants will be sufficient cause to eliminate the team from the career development event.
13. No extra FFA members or other persons are permitted to view the state event until the completion of the event. The only people allowed in the event area during the event are participants and designated event workers. Observers and FFA advisors who are not working with the event will not be permitted in the event area while the event is in progress. The following are exceptions to this rule: the presentation portions of the Marketing Plan CDE and Ag Communications CDE at the Iowa FFA Leadership Conference.

IV. Participant Assignments

14. Each participant will be given an individual ID number by which he/she will be designated throughout the event. Contestant badges with identification numbers may be issued.
15. Teams will be divided into groups for individual activities. When possible, groups will be assigned to avoid having two participants on the same team in the same group.
16. Each participant will work on an individual basis throughout the event except during the FFA chapter team activity. Each team will submit one score card or product per team for the team activity.

V. Equipment and Dress Code

17. Participants are urged to bring and use clipboards during events to facilitate the holding of placing and grading cards. The clipboards are to be clean and free of markings. A few sheets of blank paper will be permitted for taking notes and recording results.
18. Calculators may be used with the Career Development Events. They must be battery or solar operated, non-programmable and silent, unless otherwise listed in the specific Career Development Event rules.
19. Items needed for specific phases of a Career Development Event will be noted under their specific rules.
20. Participants are expected to observe the National FFA Code of Ethics and the Proper Use of the FFA Jacket during the career development events found in the Official FFA Manual (<https://www.ffa.org/about/who-we-are/official-manual>).
21. Official FFA dress is expected for all participants when appropriate. If official dress is not appropriate, official casual dress should be worn. Official casual dress shall consist of 1) FFA t-shirt or polo shirt and 2) khaki or nice denim pants or shorts.

VI. Event Results

22. In the event that ALL participants' scores are incorrect the board reserves the right to correct the results.
23. Each FFA advisor will receive the judging cards, score cards, answer sheets and results following a career development event and the presentation of awards. FFA advisors are not permitted to pick up event packets until after the awards presentation.

VII. AFNR Career Cluster Content Standards

AFNR Content Standards are specifically outlined within each respective Skills CDE.

Nursery/Landscape

2020 Chairperson: Dana Weeda, Denison

Coordinator: Shawna Moss, Kirkwood Community College

Committee Personnel: Louise Fleming, Vinton; Dave Tometich, Muscatine; Adam Crews, Letts

Scoring Coordinator: TBA

I. Overview

The Iowa FFA Nursery/Landscape CDE includes all aspects of the industry in producing, marketing, utilizing, and maintaining landscape plants (woody and herbaceous plants and turf grasses), plus related products, equipment and services including landscape design. The purpose is to stimulate career interest, encourage proficiency development and recognize excellence in students of nursery practices and landscaping through the Agricultural Education curriculum.

- A. Plant Materials – to demonstrate the ability to identify nursery and landscape plant materials and turf grasses commonly used in Iowa.
- B. Plant Disorders – to demonstrate the ability to identify unhealthy plant conditions due to pests, nutritional or physiological disorders, and mechanical or chemical injuries.
- C. Cultural Practices – to demonstrate knowledge of the principles and skills involved in propagation, growth requirements, growing techniques, harvesting, marketing and maintenance of nursery plants and landscape turf.
- D. Design and Construction - to demonstrate knowledge of the principles and techniques of landscape design and construction.
- E. Supplies and Equipment – to demonstrate the ability to identify, select, use and maintain appropriate supplies and equipment for nursery and landscape operations, including equipment and procedures in mechanization and automation.
- F. Safety- to demonstrate knowledge of safety practices in nursery/landscape operations.

II. AFNR Content Standards

ESS.05. Standards: Use tools, equipment, machinery and technology common to tasks in environmental service systems.

ESS.06.01. Indicator: Use technological and mathematical tools to map land, facilities and infrastructure for environmental service systems.

NRS.01. Standard: Analyze the interrelationships between natural resources and humans.

NRS.01.01.01. a. Awareness Measurement: Summarize and classify the different kinds of natural resources using common classification schemes (e.g., living versus non-living, renewable versus nonrenewable, native versus introduced, etc.).

NRS.04. Standard: Demonstrate responsible management procedures and techniques to protect, maintain, enhance, and improve natural resources.

NRS.04. Standard: Demonstrate responsible management procedures and techniques to protect, maintain, enhance, and improve natural resources.

NRS.04.02. Indicator: Diagnose plant and wildlife diseases and follow protocols to prevent their spread.

NRS.04.03. Indicator: Prevent or manage introduction of ecologically harmful species in a particular region.

PS. 01. Standard: Develop and implement a crop management plan for a given production goal that accounts for environmental factors.

PS. 01.01. Indicator: Determine the influence of environmental factors on plant growth.

PS. 01. 02. Indicator: Prepare and manage growing media for use in plant systems.

PS. 01.03. Indicator: Develop and implement a fertilization plan for specific plants or crops.

PS.02. Standard: Apply principles of classification, plant anatomy, and plant physiology to plant production and management.

PS.02.01. Indicator. Classify plants according to taxonomic systems.

PS.02.03. Indicator: Apply knowledge of plant physiology and energy conversion to plant systems.

PS. 02. 03. Indicator: Apply knowledge of plant physiology and energy conversion to plant systems.

PS.04. Standard: Apply principles of design in plant systems to enhance an environment (e.g. floral, forest landscape, and farm).

PS.04.01. Indicator: Evaluating, identifying and preparing plants to enhance an environment.

PS.03. Standard: Propagate, culture and harvest plants and plant products based on current industry standards.

PS.03.03. Indicator: Develop and implement a plan for integrated pest management for plant production.

III. Event Rules

- A. The Iowa FFA Nursery/Landscape Career Development Event will be limited to one team per chapter.
- B. Each school shall enter a team composed of three or four participants. The **top three** individual total scores will be combined with the team challenge scores to determine the team score.
- C. Team members must all be members of the same FFA chapter.
- D. Each contestant will participate in all ~~seven~~ phases of the event.
- E. Under no circumstances will any participant be allowed to touch or handle in any way any specimens in any phase of the event. Any infraction of this policy will be sufficient cause to eliminate the team from the event.
- F. No team members or advisors are to observe materials in the horticulture greenhouse at the event site during the three weeks prior to the event.**
- G. Participants shall report to the chair of the event at a time specified by contest chair on event day.
- H. Answer sheets and other written materials will be furnished for each event phase.
- I. Participants are to furnish all measuring instruments for the problem-solving phases. Participants are also expected to bring all safety equipment for team skills and equipment operation events. All participants are to bring their own equipment; including pencils, tape measures, rulers, etc.
- J. All plant materials and team challenge equipment will be furnished for the event.
- K. A special effort will be made not to use questions or establish situations which might be termed as controversial. In developing the event, special efforts will be made to use materials which are generally accepted nationwide.
- L. Exhibits will be left out following the event for viewing and photographing by FFA chapter advisors and others.

IV. Event Format

Four activities will be completed during the event in each section. These include two individual events and two team events.

A. Individual Events:

1. **General Knowledge & Landscape Estimation:** (40 minutes total) This segment of the contest will consist of two phases:
 - a. **General Knowledge Examination.** This part will consist of 25 questions. Each answer will have a value of 4 points. This phase of the event will test the participant's knowledge and understanding of the basic principles of nursery/landscape industry.
 - b. **Landscape Estimation.** This practicum is designed to evaluate participant knowledge of and ability in 1) evaluating a landscape design 2) reading a landscape drawing 3) measuring and calculating materials needed to execute a landscape plan, and 4) evaluating factors that affect profitability of a landscape business. A landscape drawing and scratch paper will be provided to the participants. There will be 20 objective questions about the landscape plan, and each correct answer has a value of 5 points. The questions may include such areas as determining how accent was provided in the public area, the form and size specified for a certain plant, the cost of fencing, the number of patio pavers required, the area of sod to be installed, the volume of mulch required and the labor cost to install a ground cover bed. Forty minutes will be allowed for these two phases. Participants will record their answers using a scanning sheet.

2. Identification: (40 minutes total) Participants will identify 40 items selected from the provided list covering the following categories:
 - a. Plant Materials: Plants to identify will be presented as intact, live specimens. Equipment may be either an intact item or photograph.
 - b. Pests and Disorders: Pest and disorder items may be presented as an intact specimen, photograph or preserved specimen (herbarium sheet, insect mount, etc.). When a problem must be presented with an affected plant, a “Disorder” label will be with the item to designate identification of the problem rather than the plant.
 - c. Equipment and Supplies.Each specimen will be designated by a station number (1-40). When the participant identifies the item, its name is then located on the identification list. The participant then records the number by that name on a scanning sheet at the respective station number. Each participant will be provided a copy of the list at the event site. 5 points will be awarded for each correct identification. No specimens or items may be touched or handled in any way.

B. Team Events: This phase is designed to evaluate the team’s ability to apply nursery/landscape knowledge and skills by completing a variety of hands-on and problem-solving activities. No equipment will be used during the event. Teams will be given a list of tasks that may be accomplished individually, in pairs or in larger numbers as determined by the team members according to the skills, experience and preferences of each team member. After completing their tasks, team members may then assist other team members as time allows. Scoring of the separate tasks will be based on correct answers for objective questions or on criteria appropriate for the task recorded by a judge. All equipment safety & operations scores will be totaled for each team and the percentage earned of possible points will be recorded as the team score out of 100 points possible. The Team Skills Challenge will be scored out of 100 points possible. Team Events are as follows:

1. Equipment Safety & Operation: Kirkwood Community College (Host Site) will select 3-4 practicums from the following list to be completed by teams in the allotted time (40 minutes). Team may divide tasks between students or complete together but will only have the 40 minutes allotted to complete all tasks assigned. Tasks will be scored using the attached rubrics by officials provided by the host site. No equipment will be started or operated by students, they will guide the judge on how they would operate the equipment and answer any questions put forth by the judge. The host site prior to the contest will provide the type or brand of equipment so teams can prepare on the correct model/brand. Practicums will be selected from the following list:
 - a. Line Trimmer Operation
 - b. Power Blower Operation
 - c. Push Mower Operation
 - d. ZTR Mower Operation
 - e. Chainsaw Operation
2. Team Skills Challenge: Teams will compete together to complete the team skills challenge selected for the contest year. Team skill challenge tasks will be assigned by the host site and communicated prior to the event. Teams will have 40 minutes to complete the assigned task. Tasks will be scored using the attached challenge rubrics by judges provided by the host site. The rotation for the team skills challenge will be as follows:
 - a. Plant Layout
 - b. Tree Planting
 - c. Paver Installation
 - d. Sod Installation

V. Event Resources

- A. Introductory Horticulture, 9th Edition, Reiley and Shry, Delmar/Thomson Publishers Inc., Computer Drive, West, Box 15015, Albany, New York 12212-5015.

- B. National FFA Career Development Events – (National FFA Organization rules).
- C. American Standard for Nursery Stock. 2004. American Association of Nurserymen, Inc., 1250 I St., NE, Suite 500, Washington, DC. (available as pdf file free to non-members at <http://www.anla.org>)
- D. Landscape Training Manuals for Installation, Irrigation, and Maintenance Technicians. (Current edition.) National Association of Landscape Professionals, 950 Herndon Pkwy, Suite 450, Herndon, Va. 20170, <http://www.landscapetechnician.net>.

VI. Scoring and Ranking of Teams and Individuals

<u>Individual Phases</u>	<u>Individual Points</u>	<u>Team Points</u>
General Knowledge & Landscape Estimation	200	600
Identification	200	600
<u>Team Phases</u>		
Equipment Safety & Operation		100
Team Skills Challenge		100
Total Points Possible	400	1400

- A. Team scores will be the sum of the scores of the top three (3) team members and the team events. The total of the possible points is 1400.
- B. To determine the individual and team winners, the participant will be ranked on the basis of the total score for all four (4) activity areas.
- C. If there is a tie in the total point score of an individual or team, it shall be broken:
 - 1. Written Exam
 - 2. Identification Section
 - 3. Team Skills Challenge
 - 4. Equipment Safety & Operation
- D. Teams will be ranked into groups: “Gold,” “Silver,” or “Bronze.” Teams which violate any rule will receive a “Participation” rating.
- E. The team winner over all areas will be designated the “Iowa Champion FFA Nursery/Landscape Team” and will represent Iowa in the National FFA Nursery/Landscape Career Development Event.

VII. Awards

Awards Sponsored through the Iowa FFA Foundation	
Champion Team	Cash Award for travel to National Convention
Reserve Champion Team	Plaque
Top 10 Teams	Rosettes
Members of Top 10 Teams	Rosettes
Top 10 Individuals	Rosettes
1 st and 2 nd Place Individuals	Plaques
Top Team and Top Individual	Plaques
a. General Knowledge & Landscape Estimation	
b. Identification	
c. Team Skills Challenge (Team Only)	
d. Equipment Safety & Operation (Team Only)	
All Teams/Individuals	Certificates

All awards subject to available sponsorship.

VIII. Event Materials

- A. Event Schedule
- B. Event Rubrics

Tentative Schedule

8:00 to 8:45 Registration
 8:45 to 8:55 Greetings and Instructions
 8:55 to 9:00 Move to first rotation

9:00 to 9:40 Rotation #1
 9:40 to 10:20 Rotation #2
 10:20 to 11:00 Rotation #3
 11:00 to 11:40 Rotation #4

Time:	Teams Group "A"	Teams Group "B"	Teams Group "C"	Teams Group "D"
9:00 – 9:40	Equipment Operation	Teams Skills Challenge	Contests 1,2 ID Contestants 3,4 Test/Estimating	Contests 1,2 ID Contestants 3,4 Test/Estimating
9:40 – 10:20	Team Skills Challenge	Equipment Operation	Contests 3,4 ID Contestants 1,2 Test/Estimating	Contests 3,4 ID Contestants 1,2 Test/Estimating
10:20 – 11:00	Contests 1,2 ID Contestants 3,4 Test/Estimating	Contests 1,2 ID Contestants 3,4 Test/Estimating	Equipment Operation	Teams Skills Challenge
11:00 - 11:40	Contests 3,4 ID Contestants 1,2 Test/Estimating	Contests 3,4 ID Contestants 1,2 Test/Estimating	Teams Skills Challenge	Equipment Operation

Nursery/Landscape Identification

1

- Abies concolor/White Fir _____
Acer ginnala/Amur Maple _____
Acer palmatum cv./Japanese Maple _____
Acer platanoides cv./Norway Maple _____
Acer rubrum cv./Red Maple _____
Acer saccharum cv./Sugar Maple _____
Ajuga reptans cv./Carpet Bugle _____
Antirrhinum majus cv./Snapdragon _____
Amelanchier arborea/Downy Serviceberry _____
Begonia semperflorens -cultorum/Wax Begonia _____
Betula nigra/River Birch _____
Buxus microphylla cv./Littleleaf Boxwood _____
Cercis Canadensis/Redbud _____
Chaenomeles speciosa cv./Japanese (Flowering) Quince _____
Cornus spp./Redstem Dogwood _____
Cotoneaster divaricatus/Spreading Cotoneaster _____
Crataegus phaenopyrum/Washington Hawthorn _____
Euonymus alatus /Winged Euonymus _____
Euonymus fortunei cv./Wintercreeper _____
Forsythia x intermedia cv./Border Forsythia _____
Fraxinus americana cv./White Ash _____
Ginkgo biloba/Ginkgo, Maidenhair Tree _____
Gleditsia triacanthos inermis cv./hornless Honeylocust _____
Hedera helix cv. /English Ivy _____
Hemerocallis spp. and cv./Day lily _____
Hosta x hybrida cv./Plaintain Lily _____
Ilex x meserveae cv./Meserve Holly _____
Impatiens hybrid cv. /Impatiens _____
Juniperus horizontalis cv./Creeping Juniper _____
Leucanthemum x superbum cv. /Shasta Daisy _____
Magnolia x soulangiana cv./Chinese (Saucer) Magnolia _____
Mahonia aquifolia cv./Oregon Grape _____
Malus spp. and cv./Flowering Crabapple _____
Miscanthus sinensis/Maiden Grass _____
Narcissus pseudonarcissus cv./Daffodil _____
Pachysandra terminalis /Japanese Spurge _____
Paeonia hybrid cv. /Peony _____
Parthenocissus tricuspidata /Boston Ivy _____
Petunia x hybrida cv./Petunia _____
Picea abies /Norway Spruce _____
Picea pungens cv./Colorado (Blue) Spruce _____
Pinus mugo/Mugo Pine _____
Pinus strobus/Eastern White Pine _____
Potentilla fruticosa cv./Shrubby Cinquefoil _____
Quercus alba/White Oak _____
Quercus palustris/Pin Oak _____
Quercus rubra /Red Oak _____
Rosa spp. Class Hybrid Tea cv. /Hybrid Tea Rose _____
Spiraea x bumalda/Bumalda Spirea _____
Syringa vulgaris cv./Common Lilac _____
Tagetes spp. cv./Marigold _____
Taxus spp. and cv./Yew _____
Thuja occidentalis cv. /American Arborvitae _____
Tilia cordata /Little leaf Linden _____
Tsuga Canadensis/Canadian Hemlock _____
Viburnum x burkwoodii /Burkwood Viburnum _____
Vinca minor cv./Periwinkle _____
Viola x witrockiana cv. /Pansy _____
Yucca filamentosa/Adam's Needle _____
Zinnia elegans /Zinnia _____

Disorders

Equipment and Supplies

<input type="checkbox"/> Aphid	<input type="checkbox"/> anvil-and-blade pruner	<input type="checkbox"/> oscillating sprinkler
<input type="checkbox"/> Bagworm	<input type="checkbox"/> architect's scale	<input type="checkbox"/> peat moss
<input type="checkbox"/> Borer	<input type="checkbox"/> bark mulch	<input type="checkbox"/> planting/earth/soil auger
<input type="checkbox"/> Leafhopper	<input type="checkbox"/> bow saw	<input type="checkbox"/> planting bar
<input type="checkbox"/> Leaf Miner	<input type="checkbox"/> brick paver	<input type="checkbox"/> pole pruner
<input type="checkbox"/> Scale	<input type="checkbox"/> broadcast (cyclone) spreader	<input type="checkbox"/> polyethylene film
<input type="checkbox"/> Spider Mite	<input type="checkbox"/> bulb planter	<input type="checkbox"/> polyethylene pipe
<input type="checkbox"/> Snail/Slug	<input type="checkbox"/> burlap	<input type="checkbox"/> pop-up irrigation head
<input type="checkbox"/> Whitefly	<input type="checkbox"/> core aerifier	<input type="checkbox"/> post-hole digger
<input type="checkbox"/> White Grub	<input type="checkbox"/> chain saw	<input type="checkbox"/> power blower
<input type="checkbox"/> Anthracnose	<input type="checkbox"/> drip emitter, irrigation	<input type="checkbox"/> propagation mat
<input type="checkbox"/> Apple Scab	<input type="checkbox"/> dry-lock wall block	<input type="checkbox"/> pruning saw
<input type="checkbox"/> Black Spot	<input type="checkbox"/> dust mask	<input type="checkbox"/> PVC (polyvinylchloride) pipe
<input type="checkbox"/> Botrytis	<input type="checkbox"/> edger (power or hand)	<input type="checkbox"/> reel mower
<input type="checkbox"/> Canker	<input type="checkbox"/> edging	<input type="checkbox"/> rotary mower
<input type="checkbox"/> Cedar-Apple	<input type="checkbox"/> erosion netting	<input type="checkbox"/> rototiller
<input type="checkbox"/> Crown Gall	<input type="checkbox"/> garden (spading) fork	<input type="checkbox"/> round point shovel
<input type="checkbox"/> Fireblight	<input type="checkbox"/> garden (bow) rake	<input type="checkbox"/> safety goggles
<input type="checkbox"/> Powdery Mildew	<input type="checkbox"/> grafting band	<input type="checkbox"/> sand
<input type="checkbox"/> Root rot	<input type="checkbox"/> grafting tool	<input type="checkbox"/> shade fabric
<input type="checkbox"/> Annual Bluegrass	<input type="checkbox"/> granular fertilizer	<input type="checkbox"/> soaker hose
<input type="checkbox"/> Broadleaf Plantain	<input type="checkbox"/> gravity (drop) spreader	<input type="checkbox"/> spade
<input type="checkbox"/> Buckhorn Plantain	<input type="checkbox"/> grass shears	<input type="checkbox"/> spark plug gap gauge
<input type="checkbox"/> Chickweed	<input type="checkbox"/> hedge shears	<input type="checkbox"/> sphagnum moss
<input type="checkbox"/> Crabgrass	<input type="checkbox"/> hoe	<input type="checkbox"/> spray suit
<input type="checkbox"/> Creeping Charlie	<input type="checkbox"/> hook-and-blade pruners	<input type="checkbox"/> square point (flat) shovel
<input type="checkbox"/> Dandelion	<input type="checkbox"/> hose-end spayer	<input type="checkbox"/> string trimmer
<input type="checkbox"/> Nutsedge	<input type="checkbox"/> landscape fabric	<input type="checkbox"/> tape measure
<input type="checkbox"/> Oxalis	<input type="checkbox"/> leaf rake	<input type="checkbox"/> tree caliper
<input type="checkbox"/> Purslane	<input type="checkbox"/> loppers	<input type="checkbox"/> tree wrap
<input type="checkbox"/> White Clover	<input type="checkbox"/> measuring wheel	<input type="checkbox"/> trowel
<input type="checkbox"/> Frost/Freeze Injury	<input type="checkbox"/> mist nozzle (mist bed)	<input type="checkbox"/> vermiculite
<input type="checkbox"/> Iron Deficiency		
<input type="checkbox"/> Leaf Scorch (drought/burn)		
<input type="checkbox"/> Nitrogen Deficiency		
<input type="checkbox"/> Pot-bound roots		
<input type="checkbox"/> String Trimmer Injury		
<input type="checkbox"/> 2,4-D Injury		

**Nursery/Landscape
Written Customer Assistance Practicum Scorecard**

Name: _____
State: _____

Chapter: _____
Team No.: _____
Member No.: _____

	Possible Points	Member Score
Customer Relations <ul style="list-style-type: none"> • Does the letter create/maintain goodwill (is it free of negative words that create an unpleasant tinge)? • Is the tone appropriate for the letter purpose? • Does the letter emphasize reader (you) rather than writer (I)? • Is the tone and reading level appropriate for reader? 	10	
Business Letter Form <ul style="list-style-type: none"> • Is the letter written in acceptable business format including the date, inside address, salutation, body, complimentary close, signature and additional data (pc, enclosure, etc.)? 	10	
Organization <ul style="list-style-type: none"> • Is the content organized in logical, coherent order? • Is the letter properly divided into paragraphs with topic sentences? • Is the letter divided into sentences which clearly convey key points? • Does the letter use short conversational words? 	10	
Technical Information <ul style="list-style-type: none"> • Is the technical information provided in letter correct? • Is the information provided in simple, clear, concise manner? • Does the letter relate directly to the inquiry? 	10	
Grammar/Punctuation <ul style="list-style-type: none"> • Is the letter free of grammatical errors and misspelled words? 	10	
Total Score:	50	
Deductions (i.e., Rules Infractions, Missing Content)		()
Grand Total:		

Judge's Name: _____ Signature/Date: _____



NATIONAL FFA
CAREER AND LEADERSHIP
DEVELOPMENT EVENTS

SKILLS EVENT 1

Plant Layout Scorecard

NAME(S)

STATE

TEAM NUMBER

CRITERIA	Points Possible	Points Deducted	Points Earned
Placement of plant material			
Plant placed within 6 inches +/- of correct placement (5 points each)	20		
Facing of plant material			
Plant faced properly (5 points each)	20		
Handling of plant material			
Plant handled properly (5 points each)	15		
Correct view point	5		
Explain plant care	5		
Safety procedures			
Safely and properly lifted procedures followed	15		
Safety glasses worn	10		
Gloves worn	10		
TOTAL POINTS	100		

JUDGE'S COMMENTS

JUDGE'S NAME

JUDGE'S SIGNATURE

DATE



NATIONAL FFA
CAREER AND LEADERSHIP
DEVELOPMENT EVENTS

SKILLS EVENT 4

Line Trimmer Scorecard

NAME(S)

STATE

TEAM NUMBER

CRITERIA	Points Possible	Points Earned
Pre-operation check		
Checked air filter and explained	5	
Checked fuel level and filled on hard surface	5	
Equipment operation		
Trimmer on ground when starting	5	
Demonstrated how to start engine	5	
Demonstrated how to trim around posts without hitting post	10	
Safety procedures		
Ear protection used	7	
Eye protection used	8	
Discussed avoiding pedestrian traffic	5	
TOTAL POINTS	50	

JUDGE'S COMMENTS

JUDGE'S NAME

JUDGE'S SIGNATURE

DATE



NATIONAL FFA
CAREER AND LEADERSHIP
DEVELOPMENT EVENTS

SKILLS EVENT 5

Chain Saw Scorecard

NAME(S) _____ STATE _____ TEAM NUMBER _____

CRITERIA	Points Possible	Points Earned
Pre-operation check		
Check air filter, located	5	
Checked chain tension with gloves on	5	
Checked bar oil level, and explained its purpose	5	
Demonstrated fueling of tank with proper fuel	2	
Equipment operation		
Chain saw was on ground when starting	5	
Demonstrated how to start engine, must choke and set chain brake	3	
Demonstrated how to cut a log on a saw buck	5	
Safety procedures		
Ear protection used	4	
Eye protection used	4	
Chaps used	4	
Hard hat used	4	
Gloves used	4	
TOTAL POINTS	50	

JUDGE'S COMMENTS

JUDGE'S NAME _____ JUDGE'S SIGNATURE _____ DATE _____



NATIONAL FFA
CAREER AND LEADERSHIP
DEVELOPMENT EVENTS

SKILLS EVENT 7

Power Blower Scorecard

NAME(S) _____ STATE _____ TEAM NUMBER _____

CRITERIA	Points Possible	Points Earned
Pre-operation check		
Checked air filter	5	
Checked fan grill	5	
Checked fuel level and fill on a hard surface	5	
Equipment operation		
Cleaned up hazards before blowing area	5	
Debris blown away from building	5	
Demonstrated proper sweeping pattern with blower	5	
Safety procedures		
Ear protection used	5	
Eye protection used	5	
Dusk mask used while blowing	5	
Discussed avoiding pedestrian traffic	5	
TOTAL POINTS	50	

JUDGE'S COMMENTS

JUDGE'S NAME _____ JUDGE'S SIGNATURE _____ DATE _____



NATIONAL FFA
CAREER AND LEADERSHIP
DEVELOPMENT EVENTS

SKILLS EVENT 9

Push Mower Scorecard

NAME(S) _____ STATE _____ TEAM NUMBER _____

CRITERIA	Points Possible	Points Earned
Pre-start procedures		
Oil level checked	5	
Air cleaner	5	
Mower guard down	5	
Adjusting mower height	5	
Equipment operation		
Two times outside area	5	
Mow trees on left side of mower	5	
Safety procedures		
Ear protection used	5	
Eye protection used	5	
Hazards were cleaned up before mowing and observed	5	
Discussed avoiding pedestrian traffic	5	
TOTAL POINTS	50	

JUDGE'S COMMENTS

JUDGE'S NAME _____ JUDGE'S SIGNATURE _____ DATE _____



NATIONAL FFA
CAREER AND LEADERSHIP
DEVELOPMENT EVENTS

SKILLS EVENT 10

ZTR Mower Scorecard

NAME(S) _____ STATE _____ TEAM NUMBER _____

CRITERIA	Points Possible	Points Earned
Pre-start procedures		
Oil level	5	
Hydraulic system oil level check	2	
Air cleaner	3	
Grease fittings	5	
Belts, pulleys, guards	4	
Adjusting mower height	5	
Equipment operation		
Two times outside area	3	
Mow trees on left side of mower	3	
Safety procedures		
Ear protection used	5	
Eye protection used	5	
Hazards were cleaned up before mowing	5	
Discussed avoiding pedestrian traffic	5	
TOTAL POINTS	50	

JUDGE'S COMMENTS

JUDGE'S NAME _____ JUDGE'S SIGNATURE _____ DATE _____



NATIONAL FFA
CAREER AND LEADERSHIP
DEVELOPMENT EVENTS

SKILLS EVENT 12

Sod Installation Scorecard

NAME(S)

STATE

TEAM NUMBER

CRITERIA	Points Possible	Points Deducted	Points Earned
Graded area according to problem description	10		
Rolled area (pre sod) according to problem description	5		
Calculated and weighed proper amount of fertilizer	6		
Applied fertilizer evenly	6		
Sodded strips adjacent to edges full width	5		
Staggered seams on sod rolls	8		
Knitted seams tightly	10		
Made cuts accurately	5		
Irrigation heads/valve box visible	8		
Rolled sod after installation	7		
Explained watering of new sod	10		
Safety procedures			
Eye protection used	10		
Demonstrated proper lifting techniques	10		
Additional safety violations: Deduct 3 points for each observed safety violation such as tools used improperly etc.			
TOTAL POINTS	100		

JUDGE'S COMMENTS

JUDGE'S NAME

JUDGE'S SIGNATURE

DATE



NATIONAL FFA
CAREER AND LEADERSHIP
DEVELOPMENT EVENTS

SKILLS EVENT 13

Tree Planting Scorecard

NAME(S)

STATE

TEAM NUMBER

CRITERIA	Points Possible	Points Deducted	Points Earned
Hole dimension according to detail			
Width	10		
Depth	10		
Planted according to detail			
Root pruning	5		
Handled correctly	5		
Soil berm	5		
Tamped properly	5		
Mulched properly	5		
Explained watering method for new tree	15		
Explain stakes and wire installation			
Stakes at correct depth	5		
Stakes straight and plumb	5		
Stakes placed per prevailing wind	5		
Straps installed at correct height	5		
Safety procedures			
Eye protection used	5		
Proper use of glove	5		
Proper lifting techniques were used	5		
Wore hard hat	5		
Additional safety violations: Deduct 3 points for each observed safety violation, such as tools used improperly etc.			
TOTAL POINTS	100		

JUDGE'S COMMENTS

JUDGE'S NAME

JUDGE'S SIGNATURE

DATE



NATIONAL FFA
CAREER AND LEADERSHIP
DEVELOPMENT EVENTS

SKILLS EVENT 15

Paver Installation Scorecard

NAME(S)

STATE

TEAM NUMBER

CRITERIA	Points Possible	Points Earned
Procedure		
Set string line 90 degrees with the base line	10	
Install running bond paver pad	15	
Install a basket weave pattern pad	15	
Explain to the judge the steps involved in laying pavers		
Using paint or stakes lay out the area to be installed	5	
Determine finish grade	5	
Excavate a minimum of 6 inches for a solid base	5	
Create a 2 percent min slope	2	
Add base, compact no more than 4" at a time	3	
Base to be 6" beyond finished detentions	5	
Install edging	3	
Install sand and screed	5	
Lay pavers	2	
Cut pavers and use of ear protection	5	
Sand sweep and compact	5	
Safety procedures		
Eye protection used	5	
Gloves used	5	
Improper lifting	5	
TOTAL POINTS	100	

JUDGE'S COMMENTS

JUDGE'S NAME

JUDGE'S SIGNATURE

DATE