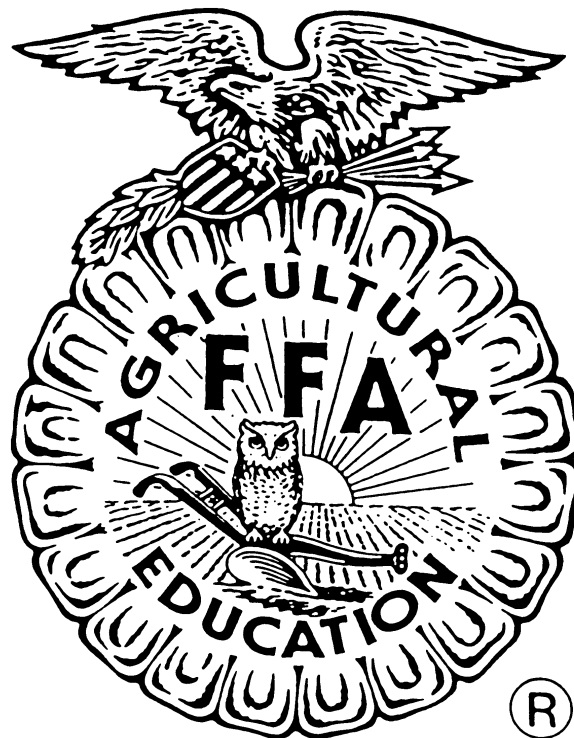


***NURSERY/LANDSCAPE
CAREER DEVELOPMENT EVENT***

RULES AND REGULATIONS

TEAM COMPETITION



ALABAMA FFA ASSOCIATION

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No person shall be denied employment, be excluded from participation in, be denied the benefits of, or be subjected to discrimination in any program or activity on the basis of disability, sex, race, religion, national origin, color, or age. Ref: Sec. 1983, Civil Rights Act, 42 U.S.C.; Title VI and VII, Civil Rights Act of 1964; Rehabilitation Act of 1973, Sec. 504; Age Discrimination in Employment Act; Equal Pay Act of 1963; Title IX of the Education Amendment of 1972: Title IX Coordinator, P.O. Box 302101, Montgomery, Alabama 36130-2101 or call (334) 242-8444.

NURSERY/LANDSCAPE CAREER DEVELOPMENT EVENT

PURPOSE

To give FFA members an opportunity to use the nursery and landscape skills they have acquired in Agriscience Education courses and to make FFA members more fully aware of the horticultural enterprises in Alabama.

ELIGIBILITY AND REGULATIONS

For specific eligibility of participants, refer to the Contests and Awards Booklet.

Only district eliminations will be held prior to the state event.

The top four place winners in the North, Central and South Districts will compete in the state finals.

DISTRICT EVENT

1. The event will be held at regular district event eliminations.
2. A team will consist of a maximum of four members.
3. The event will have two required phases.
 - Identification of Plant Materials (20 specimens) -- 5 points each
 - General Knowledge Examination (50 questions) -- 4 points each
4. Additional phases may be included in the event. Each district will decide what, if any, will be included.
5. Participants will have 50 minutes to complete the written examination, and 30 minutes for identification of plant materials. Time for additional phases will be needed.
6. The district event will be scored as follows.
 - Individual scores will be the sum of the scores on the two required phases of the event plus scores of other phases.

<u>Phase</u>	<u>Possible Points</u>
Written Examination -----	200 points
Identification of Plant Materials -----	100 points
Other Phases (Points to be determined) -----	

- The team score will be the sum of the scores of the three highest team members (A team may consist of four contestants, with the lowest score being dropped.)

NOTICE If ties occur at the district event, the team with the highest combined score in the General Knowledge Examination phase will be the winner. If still tied, select the team with the highest combined score in the Identification of Plant Materials phase.

STATE EVENT

1. A team will consist of a maximum of four members.
2. Participants entering the Nursery and Landscape Career Development Event may not enter the FFA Floriculture Career Development Event the same year.
3. The event will have four phases.
 - Identification of Plant Materials
 - General Knowledge Examination
 - Practicum
 - Team Activity
4. Any communication between participants during the event will be sufficient cause to eliminate the team(s) involved from the event.
5. Any assistance given to a team member from any source during the event will be sufficient cause to eliminate the team from the event.
6. Under no circumstance will any participant be allowed to touch or handle plant material in the Identification of Plant Materials phase of the event. Any infraction of this policy will be sufficient cause to eliminate the team from the event.
7. References -- A list of references for use as a guide in training teams will be made available, but the event will not be based exclusively on these references. See the Recommended References section.
8. Coaches/Advisors may not enter the event area until the event has been completed.
9. The state event will be held during the State FFA Convention.

EVENT PHASES

Phase 1 -- IDENTIFICATION OF PLANT MATERIALS (250 points)

Fifty specimens from the plant list will be displayed for participants to identify. Each specimen will be designated by a number (1-50). The participant will write the appropriate number in the space next to the specimen's name on the official Plant Identification sheet. Five points will be given for each specimen that is correctly identified. Each participant will be allowed approximately fifty minutes to complete this phase. No plants may be touched or handled in any way.

Phase 2 -- GENERAL KNOWLEDGE EXAMINATION (200 points)

Fifty (50) objective-type, multiple-choice questions will be selected from the areas listed below. This phase of the event will test the participant's knowledge and understanding of the basic principles relating to these areas. Each participant will be allowed approximately 30 minutes to complete this phase. Each answer has a value of four points.

- Plant Materials
- Planting or Growing Media
- Diagnosis of Plant Disorders
- Materials (Growth Regulators, Fertilizer, etc.)
- Propagation
- Safety
- Cultural Instructions
- Landscape Design, Establishment, and Maintenance
- Turf and Lawn Establishment and Maintenance

The official reference for the General Knowledge Examination is the *HORTICULTURE TEST BANK* publication.

Phase 3 -- PRACTICUM (525 points)

Each participant will perform the six activities listed below.

1. Landscape Estimating (200 points)

Participants will be furnished with a landscape drawing and scratch paper. Participants will answer 20 objective questions about the landscape drawing. 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 and the cost, the area of sod to be installed (the number of yards of sod required to cover a specific area), the volume of mulch required, the labor cost to install a ground cover bed, or the amount of concrete needed for a driveway or walkway. Each answer has a value of 10 points. A scantron sheet will be used as the score sheet. Approximately 30 minutes will be allowed for this practicum.

2. Landscape Drawing (100 points)

This practicum is designed to evaluate participant knowledge of and ability in applying the tools of landscape design through preparation of a plan drawing. Written information about a property will be given, including such details as lot dimensions and orientation; house size and setbacks; size and location of paving, decking, and fencing; and the location, size, and type of plant materials to be included. This will be translated into a scale drawing on 8.5 x 11-inch grid paper provided. An objective score sheet specific to the assignment will be used by a judge to evaluate that all components are included with appropriate size, location, symbol, and label, for a possible 100 points total. Participants will have 30 minutes to prepare the drawing. Allowed drawing aids are a straightedge, ruler or scale, and circle template.

3. Written Customer Assistance (75 points)

The participant will assume the role of a customer service representative. A copy of a letter about a plant, landscape, or business question will be provided, along with the appropriate response information. Each participant will hand-write, in ink pen and in business letter format, the response to the writer. Scratch paper will be provided for a rough draft in pencil if desired. Only the final draft in ink on the letterhead stationary provided will be scored. Thirty (30) minutes will be allowed for the practicum. A pocket size dictionary or electronic speller is allowed for checking spelling. Scoring criteria are presented on the "Written Customer Assistance" score card, which will be recorded by a judge.

4. Pruning Nursery Stock (50 points)

Each participant will be provided a nursery plant on which ten numbered labels will mark possible places for pruning cuts. No plant will be actually pruned. Participants are to evaluate each labeled point and decide if the plant should be pruned at that point or not in order to improve the plant's health, form, and overall quality. A scantron sheet will be used as the score sheet. Approximately five minutes will be allowed for completion of this practicum.

5. Equipment Maintenance (50 points)

This practicum is designed to evaluate each participant's knowledge of equipment operation and maintenance and ability in observing maintenance needs or improper condition. Ten stations of equipment, and/or respective operating manual, will be presented from the following.

- ◆ Hand tools -- hoe, rake, spade, shovel, pruning tools.
- ◆ Power tools -- push mower, tiller, string trimmer, power hedge trimmer (including electric plus 2- and 4-cycle gas models, as appropriate).

Multiple choice options of possible maintenance needs, corrective actions, and/or operating specifications will be given at each station. Examples of possible choices are low oil, uneven height setting, blade needs sharpening, incorrect gas:oil ratio provided, or replace broken handle.

Equipment will be placed to allow observing all components in the answer choices without handling the item. A scantron sheet will be used as the score sheet. Approximately 30 minutes will be allowed for this practicum.

6. Identifying Plant Disorders (50 points)

Each participant will identify fifteen plant pests and/or disorders. The pests/disorders will deal primarily with insects, diseases, and weeds that affect horticultural plants. Plant pest/disorder items may be presented as an intact specimen, photograph, representative line drawing or preserved specimen (herbarium sheet, insect mount, etc.). No specimen/item may be touched or handled in any way. Each specimen/item will be designated by a station number: 1-15. Participants will identify the pest/disorder at each station from a multiple-choice listing. A scantron sheet will be used as the score sheet. Approximately thirty minutes will be allowed for completion of this practicum. A reference list of possible plant pests and disorders is included in this publication.

Phase 4 -- TEAM ACTIVITY (150 points)

This phase involves the members of the team working together toward accomplishing a team assignment. Four landscape plans of the same property will be provided for evaluation against the customer's needs. The team will rank the four plans in the order that they meet the customer's needs.

SCORING THE STATE EVENT

Individual scores will be the sum of the scores of Phases 1, 2 and 3 of the event.

<u>Phase</u>	<u>Possible Points</u>
1. Identification of Plant Materials	250
2. General Knowledge Examination	200
3. Practicum	<u>525</u>
Individual's Total	<u>975</u>

Note: If a team consists of four members, the lowest individual team member's score will be dropped.

Team scores will be the sum of the three or three highest team members individual scores (2,925 points possible) plus the team activity score (150 points possible). The total of the possible points per team is 3,075.

If ties occur at the state event, the total of the three team members' scores in the following events will be used in the order that they are listed to determine the winner: 1) Written Examination; 2) Plant Identification; 3) Landscape Estimating; 4) Equipment Maintenance.

STATE AWARDS/SPONSOR(S):

Refer to Alabama FFA Contests and Awards Booklet at:
http://www.alabamaffa.org/forms_applications.htm

RECOMMENDED REFERENCES

The following list of references is a guide to team training. Some content areas have more than one title listed. This reflects the wide array of quality references available that will provide a proper foundation for this event. No single reference is recommended as superior over others in that area. However, multiple references for the plant materials may be desirable, as no single source is comprehensive for the entire country or plant list. Other references than those listed may be equally valuable resources, along with the many videos and computer-based training aids that are available.

Books

Introduction to Horticulture. 4th Edition, 2004. Charles B. Schroeder, Eddie Dean Seagle, Lorrie M. Felton, John M. Ruter, William Terry Kell, and Gerard Krewer. Prentice-Hall, Inc., Englewood Cliffs, NJ. ISBN 0130364134

Introductory Horticulture. 6th Edition, 2002. H. Edward Reiley and Carroll L. Shry, Jr. Delmar Publishers Inc., Albany, NY. ISBN 0766815676

Ornamental Horticulture: Science, Operations and Management. 3rd Edition, 2001. Jack Ingels. Delmar Publishers Inc., Albany, NY. ISBN 0766814173

Introduction to Plant and Soil Science and Technology. 2003. Ronald J. Biondo and Jasper S. Lee. Prentice-Hall, Inc., Englewood Cliffs, NJ. ISBN 0813432162

Practical Horticulture. 5th Edition. 2003. Laura W. Rice and Robert P. Rice. Prentice-Hall, Inc., Englewood Cliffs, NJ. ISBN 0130946346

Plant Propagation: Principles and Practices. 6th Edition, 1997. Hudson T. Hartmann, Fred T. Davies, Jr., Dale E. Kester, and Robert L. Genieve. Prentice-Hall, Inc., Englewood Cliffs, NJ. ISBN 0132061031

Nursery Production - A Teachers Manual. Revised edition, 1989. Department of Agricultural Education, Pennsylvania State University, University Park, PA.

Nursery Management: Administration and Culture. 4th Edition, 2000. Harold Davidson, Roy Mecklenburg, and Curtis Peterson. Prentice-Hall, Inc., Englewood Cliffs, NJ. ISBN 0138579962

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 nonmembers at <http://www.anla.org>)

Landscape Plants: Their Identification, Culture, and Use. 2nd Edition. 2003. Ferrell M. Bridwell. Delmar Publishers Inc., Albany, NY. ISBN 0766836347

Manual of Woody Landscape Plants. 5th Edition, 1998. Michael A. Dirr. Stipes Publishing Co., Champaign, IL. ISBN 0875638007

Trees for Urban and Suburban Landscapes. 1997. Edward Gilman. Delmar Publishers Inc., Albany, NY. ISBN 0827370539

A Field Guide to Woody Landscape Plants of the Southeast. 2002. Rex Bishop. Tea Olive Productions. Marietta, GA ISBN097253430X

Know It and Grow It III: A Guide to the Identification and Use of Landscape Plants. 1999. Carl E. Whitcomb. Lacebark, Inc. Stillwater OK ISBN 0961310910

Introduction to Landscaping: Design, Construction, and Maintenance. 3rd Edition, 2003. Ronald J. Biondo and Charles B. Schroeder. Prentice-Hall, Inc., Englewood Cliffs, NJ. ISBN 0813431719

Landscaping: Principles and Practices. 6th Edition, 2004. Jack Ingles. Delmar Publishers Inc., Albany, NY. ISBN 1401834108

Landscape Design: A Practical Approach. 5th Edition, 2002. Leroy G. Hannebaum. Prentice-Hall, Inc., Englewood Cliffs, NJ. 0130105813

An Illustrated Guide to Landscape Design, Construction, and Management. 1998. Gregory M. Pierceall. Prentice-Hall, Inc., Englewood Cliffs, NJ. ISBN0813430194

***Landscaping Construction.* 2nd Edition, 2005. David Sauter. Delmar Publishers Inc., Albany, NY. ISBN 140184281X**

***Landscape Construction Procedures, Techniques, and Design.* 4th Edition, 1999. Floyd Giles. Stipes Publishing Co., Champaign, IL. ISBN 0875638848**

***Landscape Operations: Management, Methods, and Materials.* 3rd Edition, 1999. Leroy Hannebaum. Prentice-Hall, Inc., Englewood Cliffs, NJ. ISBN 0138569150**

***Professional Landscape Management.* 1994. David L. Hensley. Stipes Publishing Co., Champaign, IL. ISBN 0875635210**

***Arboriculture: Integrated Management of Landscape Trees, Shrubs and Vines.* 4th Edition, 2004. Richard W. Harris, James R. Clark, and Nelda P. Matheny. Prentice-Hall, Inc., Englewood Cliffs, NJ. ISBN 0130888826**

***Turfgrass Science and Management.* 3rd Edition, 2000. Robert D. Emmons. Delmar Publishers Inc., Albany, NY. ISBN 076681551X**

***Turfgrass Management.* 7th Edition, 2005. A.J. Turgeon. Prentice-Hall, Inc. Englewood Cliffs, NJ. ISBN 0131140000**

***Turfgrass Management Handbook.* 6th Edition, 2002. Charles B. Schroeder and Howard B. Sprague. Prentice-Hall, Inc., Englewood Cliffs, NJ. ISBN 0813430836**

***Ortho Problem Solver.* 6th Edition, 2003. Michael McKinley (ed.). Meredith Books. Des Moines, IA. ISBN 0897214943**

Home Gardener's Problem Solver. 2001. Michael McKinley. Meredith Books. Des Moines, IA. ISBN 0897214706

***Insects That Feed on Trees and Shrubs.* 2nd Edition, 1991. Warren T. Johnson and Howard H. Lyon. Comstock Publishing Associates, Ithaca, NY. ISBN 0801426022**

***Diseases of Trees and Shrubs.* 1987. Wayne A. Sinclair, Howard H. Lyon, and Warren T. Johnson. Comstock Publishing Associates, Ithaca, NY. ISBN 0801415179**

***Mathematics for Horticulture.* 1994. Ohio Agricultural Education Curriculum Materials Service, The Ohio State University, Columbus, OH. Item #9512M**

***Care and Operation of Small Gasoline Engines.* 1990. American Association for Vocational Instructional Materials, Athens, GA. No. 1086W**

***Reference Manual for Office Personnel.* 6th Edition, 1991. Clifford R. House and Kathie Sigler. South-Western Publishing Co., Cincinnati, OH. ISBN 0538114517**

Business Communications. 2004. A.C. Krizon, Patricia Merrier, Carol Jones Larson. South-Western Publishing Co., Cincinnati, OH. ISBN 0324272251

Ornamental Horticulture for Agribusiness Education in Alabama. Agriscience Education, 3410 Skyway Drive, Auburn, AL 36830-6444.

Horticulture/Floriculture Student Study Guide. Agriscience Education, 3410 Skyway Drive, Auburn, AL 36840-6444.

Horticulture Test Bank. Agriscience Education, 3410 Skyway Drive, Auburn, AL 36830-6444.

Trade Periodicals

American Nurseryman. American Nurserymen Publishing Co., Chicago, IL

Grounds Maintenance. Primedia, Overland Park, KS.

Catalogs

Many horticultural supply company catalogs can be utilized for reference support on tools, equipment, and supplies that may not be illustrated in other sources. The Following company has given permission for listing their catalog:

A.M. Leonard, Inc., 665 Spiker Road, Piqua, OH 45356 (513/773-2697 or <http://www.amleo.com/index1.html>)

Websites and Problem Samples

Visit the national FFA website at <http://www.ffa.org/> for information on career development events, access to prior-year event materials, and links to additional study aids. The Nursery/Landscape CDE committee website at <http://www.hort.vt.edu/faculty/McDaniel/nationalFFA.htm> also offers additional aids for team preparation. Additional Links and resources will be included as they are developed or identified, along with the following links of the CDE sponsors:

<http://www.stihlusa.com/knowhow/>

<http://www.kubota.com>

<http://www.arvesta.com/>

NURSERY/LANDSCAPE PLANT IDENTIFICATION

NAME _____ CHAPTER _____ SCORE _____

No.	Botanical Name/Common Name	No.	Botanical Name/Common Name
_____	<i>Abelia x grandiflora</i> / Glossy Abelia	_____	<i>Dracaena fragrans</i> 'Massangeana' / Corn Plant
_____	<i>Abies concolor</i> / White Fir	_____	<i>Echinacea purpurea</i> / Purple Coneflower
_____	<i>Acer palmatum</i> cv / Japanese Maple	_____	<i>Epipremnum</i> spp. / Pothos
_____	<i>Acer platanoides</i> cv / Norway Maple	_____	<i>Euonymus alatus</i> / Winged Euonymus
_____	<i>Acer rubrum</i> cv / Red Maple	_____	<i>Euonymus fortunei</i> cv / Wintercreeper
_____	<i>Acer saccharum</i> cv / Sugar Maple	_____	<i>Fagus sylvatica</i> cv / European Beech
_____	<i>Ajuga reptans</i> cv / Carpet Bugle	_____	<i>Festuca</i> spp. and cv / Fescue
_____	<i>Antirrhinum majus</i> cv. / Snapdragon	_____	<i>Ficus benjamina</i> / Benjamin Fig
_____	<i>Aquilegia x hybrida</i> cv / Columbine	_____	<i>Ficus elastica</i> 'Decora' / Decora Rubber Plant
_____	<i>Amelanchier arborea</i> / Downy Serviceberry	_____	<i>Forsythia x intermedia</i> cv / Border Forsythia
_____	<i>Astilbe hybrid</i> cv / Astilbe	_____	<i>Fraxinus americana</i> cv / White Ash
_____	<i>Begonia semperflorens-cultorum</i> / Wax Begonia	_____	<i>Gaillardia aristata</i> cv. / Common Blanketflower
_____	<i>Berberis x mentorensis</i> / Mentor Barberry	_____	<i>Gardenia jasminoides</i> 'Fortuniana' / Common Gardenia
_____	<i>Betula nigra</i> / River Birch	_____	<i>Ginkgo biloba</i> / Ginkgo, Maidenhair Tree
_____	<i>Brassaia actinophylla</i> / Schefflera, Octopus Tree	_____	<i>Gleditsia triacanthos inermis</i> cv / Thornless Honeylocust
_____	<i>Buxus microphylla</i> cv. / Littleleaf Boxwood	_____	<i>Hedera helix</i> cv / English Ivy
_____	<i>Camellia japonica</i> cv / Common Camellia	_____	<i>Hemerocallis</i> spp.and cv / Day Lily
_____	<i>Cedrus atlantica</i> 'Glauca' / Blue Atlas Cedar	_____	<i>Hosta x hybrida</i> cv / Plaintain Lily
_____	<i>Cercis canadensis</i> / Redbud	_____	<i>Hydrangea quercifolia</i> / Oakleaf Hydrangea
_____	<i>Chaenomeles speciosa</i> cv / Japanese (Flowering) Quince	_____	<i>Ilex cornuta</i> cv / Chinese Holly
_____	<i>Chrysanthemum x superbum</i> cv / Shasta Daisy	_____	<i>Ilex crenata</i> cv / Japanese Holly
_____	<i>Cornus florida</i> cv / Flowering Dogwood	_____	<i>Ilex x meserveae</i> cv / Meserve Holly
_____	<i>Cotoneaster dammeri</i> / Bearberry Cotoneaster	_____	<i>Impatiens hybrid</i> cv. / Impatiens
_____	<i>Cotoneaster divaricatus</i> / Spreading Cotoneaster	_____	<i>Iris x germanica florentina</i> / Bearded Iris
_____	<i>Crataegus phaenopyrum</i> / Washington Hawthorne	_____	<i>Juniperus chinensis</i> cv / Chinese Juniper
_____	<i>Cynodon dactylon</i> cv / Bermudagrass	_____	<i>Juniperus horizontalis</i> cv / Creeping Juniper
_____	<i>Dieffenbachia maculata</i> cv / Spotted Dumb Cane	_____	<i>Lagerstroemia indica</i> cv / Crape Myrtle
_____	<i>Dracaena deremensis</i> 'Warneckii' / Striped Dracaena	_____	<i>Liquidambar styraciflua</i> / Sweet Gum

Continued on Back

NL-11

No.	Botanical Name/Common Name	No.	Botanical Name/Common Name
_____	<i>Liriodendron tulipifera</i> / Tuliptree	_____	<i>Prunus laurocerasus</i> cv / Cherry Laurel
_____	<i>Liriope</i> spp.cv. / Lily-Turf	_____	<i>Prunus serrulata</i> 'Kwanzan' / Kwanzan Japanese Flowering Cherry
_____	<i>Lobularia maritima</i> / Sweet Alyssum	_____	<i>Pyracantha coccinea</i> cv / Firethorn
_____	<i>Lonicera japonica</i> 'Halliana' / Hall's Japanese Honeysuckle	_____	<i>Quercus alba</i> / White Oak
_____	<i>Magnolia grandiflora</i> cv / Southern Magnolia	_____	<i>Quercus palustris</i> / Pin Oak
_____	<i>Magnolia x soulangiana</i> cv / Chinese (Saucer) Magnolia	_____	<i>Quercus rubra</i> / Red Oak
_____	<i>Mahonia aquifolia</i> cv / Oregon Grape	_____	<i>Rhododendron x catawbiense</i> / Catawba Hybrid Rhododendron
_____	<i>Malus</i> spp. and cv / Flowering Crabapple	_____	<i>Rhododendron</i> Hybrid / Exbury Hybrid Azalea
_____	<i>Myrica pensylvanica</i> / Bayberry	_____	<i>Rosa</i> spp. Class Hybrid Tea cv / Hybrid Tea Rose
_____	<i>Nandina domestica</i> / Heavenly Bamboo	_____	<i>Salvia nemorosa</i> cv. / Meadow Sage
_____	<i>Narcissus pseudonarcissus</i> cv. / Daffodil	_____	<i>Sedum spurium</i> cv. / Sedum
_____	<i>Nyssa sylvatica</i> / Sour (Black) Gum	_____	<i>Solenostemon scutellarioides</i> / Coleus
_____	<i>Pachysandra terminalis</i> / Japanese Spurge	_____	<i>Sorbus aucuparia</i> / European Mountain Ash
_____	<i>Paeonia hybrid</i> cv / Peony	_____	<i>Spiraea x bumalda</i> cv / Bumalda Spirea
_____	<i>Parthenocissus tricuspidata</i> / Boston Ivy	_____	<i>Syringa vulgaris</i> cv / Common Lilac
_____	<i>Pelargonium x hortorum</i> cv. / Zonal Geranium	_____	<i>Tagetes</i> spp.cv. / Marigold
_____	<i>Pennisetum ruppelia</i> / Fountain Grass	_____	<i>Taxodium distichum</i> / Bald Cypress
_____	<i>Petunia x hybrida</i> cv. / Petunia	_____	<i>Taxus</i> spp. and cv / Yew
_____	<i>Philodendron scandens oxycardium</i> / Heartleaf Philodendron	_____	<i>Thuja occidentalis</i> cv / American Arborvitae
_____	<i>Picea abies</i> / Norway Spruce	_____	<i>Tilia cordata</i> / Littleleaf Linden
_____	<i>Picea pungens</i> cv / Colorado (Blue) Spruce	_____	<i>Tsuga canadensis</i> / Canadian Hemlock
_____	<i>Pieris japonica</i> / Lily-of-the-Valley Bush	_____	<i>Tulip</i> spp.cv. / Tulip
_____	<i>Pinus mugo</i> / Mugo Pine	_____	<i>Verbena x hybrida</i> cv. / Garden Verbena
_____	<i>Pinus strobus</i> / Eastern White Pine	_____	<i>Viburnum x burkwoodii</i> / Burkwood Viburnum
_____	<i>Pinus sylvestris</i> / Scotch Pine	_____	<i>Viburnum trilobum</i> / American Cranberrybush Viburnum
_____	<i>Pinus thunbergiana</i> / Japanese Black Pine	_____	<i>Vinca minor</i> cv / Periwinkle
_____	<i>Platanus x acerifolia</i> / London Planetree	_____	<i>Viola x wittrockiana</i> cv. / Pansy
_____	<i>Poa pratensis</i> cv / Kentucky Bluegrass	_____	<i>Wisteria sinensis</i> cv / Chinese Wisteria
_____	<i>Podocarpus macrophyllus</i> / Southern Yew	_____	<i>Yucca filamentosa</i> / Adam's Needle
_____	<i>Potentilla fruticosa</i> cv. / Shrubby Cinquefoil	_____	<i>Zinnia elegans</i> / Zinnia

WRITTEN CUSTOMER ASSISTANCE PRACTICUM SCORE SHEET

Name _____ Chapter _____

	Possible Points	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? 	15	
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.)? 	15	
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? 	15	
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? 	15	
Grammar/Punctuation <ul style="list-style-type: none"> • Is the letter free of grammatical, punctuation and spelling errors? 	15	

Score

75

PLANT PESTS AND DISORDERS LIST

Students should be familiar with the following list. This list includes possible plant pests and/or disorders for the Identifying Plant Pests and Disorders practicum. Please note that the pests/disorders that may be presented in the practicum are not limited to this list.

Insects

- ◆ Aphid
- ◆ Bagworm
- ◆ Borer
- ◆ Leafhopper
- ◆ Leaf Miner
- ◆ Scale
- ◆ Spider Mite
- ◆ Snail/Slug
- ◆ Whitefly
- ◆ White Grub

Weeds

- ◆ Annual Bluegrass
- ◆ Broadleaf Plantain
- ◆ Buckhorn Plantain
- ◆ Chickweed
- ◆ Crabgrass
- ◆ Dandelion
- ◆ Henbit
- ◆ Nutsedge
- ◆ Oxalis
- ◆ Purslane
- ◆ White Clover

Diseases

- ◆ Anthracnose
- ◆ Apple Scab
- ◆ Black Spot
- ◆ Botrytis
- ◆ Canker
- ◆ Cedar-Apple Rust
- ◆ Crown Gall
- ◆ Fireblight
- ◆ Powdery Mildew
- ◆ Root Rot

Physiological Problems

- ◆ Frost/Freeze Injury
- ◆ Iron Deficiency
- ◆ Leaf Scorch
(drought/winter burn)
- ◆ Nitrogen Deficiency
- ◆ Pot-bound roots
- ◆ String Trimmer Injury
- ◆ 2, 4-D Injury

PRUNING NURSERY STOCK PRACTICUM SCORE SHEET

A scantron sheet will be used as the score sheet. For each of the ten numbered labels that mark possible places to prune, the participant will mark on the scantron sheet: 1) "A" if the marked place on the plant should be pruned; or 2) "B" if the marked place on the plant should not be pruned.

PART 1
CODE ID. NUMBER AT LEFT BY FILLING IN THE APPROPRIATE BUBBLES. A NUMBER FILL IN 5 PLUS THE DIGIT NEEDED TO ADD UP TO THE DESIRED NUMBER.

IMPORTANT
• MAKE **DARK** MARKS
• EXAMPLE A B C D E
• ERASE **COMPLETELY** TO CHANGE

NAME _____
SUBJECT _____
DATE _____ HOUR _____

TEST RECORD

PART 1	
PART 2	
TOTAL	

KEY

1	A	B	C	D	E	1	A	B	C	D	E
2	A	B	C	D	E	2	A	B	C	D	E
3	A	B	C	D	E	3	A	B	C	D	E
4	A	B	C	D	E	4	A	B	C	D	E
5	A	B	C	D	E	5	A	B	C	D	E
6	A	B	C	D	E	6	A	B	C	D	E
7	A	B	C	D	E	7	A	B	C	D	E
8	A	B	C	D	E	8	A	B	C	D	E
9	A	B	C	D	E	9	A	B	C	D	E
10	A	B	C	D	E	10	A	B	C	D	E
11	A	B	C	D	E	11	A	B	C	D	E
12	A	B	C	D	E	12	A	B	C	D	E
13	A	B	C	D	E	13	A	B	C	D	E
14	A	B	C	D	E	14	A	B	C	D	E
15	A	B	C	D	E	15	A	B	C	D	E
16	A	B	C	D	E	16	A	B	C	D	E
17	A	B	C	D	E	17	A	B	C	D	E
18	A	B	C	D	E	18	A	B	C	D	E
19	A	B	C	D	E	19	A	B	C	D	E
20	A	B	C	D	E	20	A	B	C	D	E
21	A	B	C	D	E	21	A	B	C	D	E
22	A	B	C	D	E	22	A	B	C	D	E
23	A	B	C	D	E	23	A	B	C	D	E
24	A	B	C	D	E	24	A	B	C	D	E
25	A	B	C	D	E	25	A	B	C	D	E
26	A	B	C	D	E	26	A	B	C	D	E
27	A	B	C	D	E	27	A	B	C	D	E
28	A	B	C	D	E	28	A	B	C	D	E
29	A	B	C	D	E	29	A	B	C	D	E
30	A	B	C	D	E	30	A	B	C	D	E
31	A	B	C	D	E	31	A	B	C	D	E
32	A	B	C	D	E	32	A	B	C	D	E
33	A	B	C	D	E	33	A	B	C	D	E
34	A	B	C	D	E	34	A	B	C	D	E
35	A	B	C	D	E	35	A	B	C	D	E
36	A	B	C	D	E	36	A	B	C	D	E
37	A	B	C	D	E	37	A	B	C	D	E
38	A	B	C	D	E	38	A	B	C	D	E
39	A	B	C	D	E	39	A	B	C	D	E
40	A	B	C	D	E	40	A	B	C	D	E
41	A	B	C	D	E	41	A	B	C	D	E
42	A	B	C	D	E	42	A	B	C	D	E
43	A	B	C	D	E	43	A	B	C	D	E
44	A	B	C	D	E	44	A	B	C	D	E
45	A	B	C	D	E	45	A	B	C	D	E
46	A	B	C	D	E	46	A	B	C	D	E
47	A	B	C	D	E	47	A	B	C	D	E
48	A	B	C	D	E	48	A	B	C	D	E
49	A	B	C	D	E	49	A	B	C	D	E
50	A	B	C	D	E	50	A	B	C	D	E

MARK: "A", if the marked place should be pruned.
"B", if the marked place should not be pruned.

PLANTS USED ON THE TEAM ACTIVITY PHASE
LANDSCAPE PLANS

(Common Names)

- | | | |
|------------------------|------------------------|-------------------------|
| Glossy Abelia | Anthony Waterer Spirea | Bald Cypress |
| Japanese Aucuba | Chinese Wisteria | Flowering Cherry |
| Common Camellia | Japanese Quince | Japanese Honeysuckle |
| Flowering Dogwood | Border Forsythia | Honey Locust |
| Common Gardenia | Blue Rug Juniper | Lilac |
| Dwarf Burford Holly | Japanese Privet | English Ivy |
| Compact Japanese Holly | Black Gum | Catawba Hybrid |
| Heller Japanese Holly | Eastern White Pine | Bradford Pear |
| Mountain Laurel | Shrubby Yew | Austrian Pine |
| Crape Myrtle | Cherry Laurel | Lily-of-the-Valley Bush |
| Southern Magnolia | Live Oak | Bayberry |
| Common Oleander | Burkwood Viburnum | Crabapple |
| Northern Red Oak | Maidenhair Tree | |
| Knapp Hill Azalea | American Arborvitae | |

TEAM ACTIVITY SCORE CARD

**Nursery Landscape
Career Development Event
Score Card**

TEAM ACTIVITY

Chapter

Order That Meets Customer's Needs

_____ - _____ - _____ - _____
1st. 2nd. 3rd. 4th.

Enter the number in front of the each landscape plan in the appropriate space:

- 1st.: The plan that best meets the customer's needs.
- 2nd.: The plan that second best meets the customer's need.
- 3rd.: The plan that third best meets the customer's need.
- 4th:: The plan that fourth best meets the customer's need.

**Do Not Write Below This Line.
For Official Scoring Only.**

Score

**NURSERY AND LANDSCAPE
CAREER DEVELOPMENT EVENT**

CHAPTER _____

Participant	Participant Number	Event Phase	Participant Score	Participant Total
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Name of Participant # 1		Written Exam (200 points)		
		Plant ID (100 points)		
		Practicum 1 (points)		
		Participant # 1's Total (Maximum score possible is 300 points, plus points for Practicum 1.)		

Name of Participant # 2		Written Exam (200 points)		
		Plant ID (100 points)		
		Practicum 1 (points)		
		Participant # 2's Total (Maximum score possible is 300 points, plus points for Practicum 1.)		

Name of Participant # 3		Written Exam (200 points)		
		Plant ID (100 points)		
		Practicum 1 (points)		
		Participant # 3's Total (Maximum score possible is 300 points, plus points for Practicum 1.)		

Name of Participant # 4		Written Exam (200 points)		
		Plant ID (100 points)		
		Practicum 1 (points)		
		Participant # 4's Total (Maximum score possible is 300 points, plus points for Practicum 1.)		

TEAM RANKING		TOTAL TEAM SCORE (The three highest individual participant scores will make up the team score. Maximum score possible is 900 points, plus points for Practicum 1.)	
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NURSERY & LANDSCAPE CAREER DEVELOPMENT EVENT

CHAPTER _____

<u>PARTICIPANT</u>	<u>EVENT PHASE</u>	Participant Score	Participant Total
Name of Participant # 1	General Knowledge Examination (200 points)		
	Identification of Plant Materials (250 points)		
	Landscape Estimating (200 points)		
	Landscape Drawing (100 points)		
	Written Customer Assistance (75 points)		
	Pruning Nursery Stock (50 points)		
	Equipment Maintenance (50 points)		
	Identifying Plant Disorders (50 points)		
Participant # 1's Total (Maximum score possible is 975 points.)			
Name of Participant # 2	General Knowledge Examination (200 points)		
	Identification of Plant Materials (250 points)		
	Landscape Estimating (200 points)		
	Landscape Drawing (100 points)		
	Written Customer Assistance (75 points)		
	Pruning Nursery Stock (50 points)		
	Equipment Maintenance (50 points)		
	Identifying Plant Disorders (50 points)		
Participant # 2's Total (Maximum score possible is 975 points.)			
Name of Participant # 3	General Knowledge Examination (200 points)		
	Identification of Plant Materials (250 points)		
	Landscape Estimating (200 points)		
	Landscape Drawing (100 points)		
	Written Customer Assistance (75 points)		
	Pruning Nursery Stock (50 points)		
	Equipment Maintenance (50 points)		
	Identifying Plant Disorders (50 points)		
Participant # 3's Total (Maximum score possible is 975 points.)			
Name of Participant # 4	General Knowledge Examination (200 points)		
	Identification of Plant Materials (250 points)		
	Landscape Estimating (200 points)		
	Landscape Drawing (100 points)		
	Written Customer Assistance (75 points)		
	Pruning Nursery Stock (50 points)		
	Equipment Maintenance (50 points)		
	Identifying Plant Disorders (50 points)		
Participant # 4's Total (Maximum score possible is 975 points.)			
Team Activity (150 points)			
TEAM RANKING		TOTAL TEAM SCORE (Total Points possible per team is 3,075.)	

