

Career and Technical Education Course Blueprint

Agricultural Education

6882 Horticulture II Landscaping

Public Schools of North Carolina
State Board of Education • Department of Public Instruction
Academic Services and Instructional Support
Division of Career and Technical Education

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This blueprint has been reviewed by business and industry representatives for technical content and appropriateness for the industry. Contact agriculturaleducation@dpi.state.nc.us for more information.

CTE Course Blueprint

A course blueprint lays out the framework of the curriculum for a given course.

The blueprint includes units of instruction, competencies in each unit, and the specific objectives for each competency. The blueprint illustrates the relative weight of the units, competencies, and objectives within the course. Since skill development is not always linear, and often complex, it is not required that objectives be taught in the order they appear on the blueprint. Each competency and objective reflects the intended level of learning through two dimensions that reflect the Revised Bloom's Taxonomy (RBT). The Knowledge Dimension is represented with letters A-D, and the Cognitive Process Dimension is represented by numbers 1-6.

The blueprint should be used by teachers to plan the course of work for the year, prepare daily lesson plans, and construct instructionally valid interim assessments. Statewide assessments are aligned directly with the course blueprint. This blueprint and other aligned curriculum products and assessments are developed using the Revised Bloom's Taxonomy.

For additional information about this blueprint, contact VoCATS@dpi.state.nc.us or Curriculum, Division of Career and Technical Education, North Carolina Department of Public Instruction, 6359 Mail Service Center, Raleigh, North Carolina 27699-6359.

Reference: Anderson, Lorin W. (Ed.), Krathwohl, David R. (Ed.), et al., *A Taxonomy for Learning, Teaching, and Assessing: A Revision of Bloom's Taxonomy of Educational Objectives*, Addison Wesley Longman, Inc., New York, 2001.

Interpretation of Columns on CTE Course Blueprints

No.	Heading	Column information
1	Comp# Obj.#	Comp=Competency number (two digits); Obj.=Objective number (unique course identifier plus competency number and two-digit objective number).
2	Unit Titles/Competency and Objective Statements	Statements of unit titles, competencies per unit, and specific objectives per competency. Each competency statement or specific objective begins with an action verb and makes a complete sentence when combined with the stem "The learner will be able to. . ." (The stem appears once in Column 2.) Outcome behavior in each competency/objective statement is denoted by the verb plus its object.
3	Local Use	Space for use by Local Education Agencies
4	Course Weight	Shows the relative importance of each objective, competency, and unit. Course weight is used to help determine the percentage of total class time that is spent on each objective.
5	RBT Designation	Classification of outcome behavior in competency and objective statements in Dimensions according to the Revised Bloom's Taxonomy. (Cognitive Process Dimension: 1 Remember, 2 Understand, 3 Apply, 4 Analyze, 5 Evaluate, 6 Create) (Knowledge Dimension: A Factual Knowledge, B Conceptual Knowledge, C Procedural Knowledge)
6	Integrated Skill Area	Shows links to other academic areas. Integrated skills codes: A=Arts; E=English Language Arts; CD=Career Development; CS=Information/Computer Skills; H=Healthful Living; M=Math; SC=Science; SS=Social Studies
7	Core Supp	Designation of the competencies and objectives as Core or Supplemental. Competencies and objectives designated "Core" must be included in the Annual Planning Calendar and are assessed on the statewide assessments.

Career and Technical Education conducts all activities and procedures without regard to race, color, creed, national origin, gender, or disability. The responsibility to adhere to safety standards and best professional practices is the duty of the practitioners, teachers, students, and/or others who apply the contents of this document. Career and Technical Student Organizations (CTSO) are an integral part of this curriculum. CTSOs are strategies used to teach course content, develop leadership, citizenship, responsibility, and proficiencies related to workplace needs.

AGRICULTURAL EDUCATION
COURSE BLUEPRINT for 6882 HORTICULTURE II – LANDSCAPING
(Recommended hours of instruction: 135-180 hours)

Comp # Obj #	Unit Titles/Competency and Objective Statements (The Learner will be able to:)	Local Use	Course Weight	RBT Designation	Integrated Skill Areas	Core Supp
1	2	3	4	5	6	7
	Total Course Weight		100%			
A	EMPLOYABILITY AND BUSINESS SKILLS		17%			
LC01.00	Understand leadership and employability skills in the landscape industry.		9%	B2	CD/E/M/SS	
LC01.01	<i>Understand leadership and worked-based learning skills used in the landscape industry.</i>		6%	B2	CD/E/M/SS	Core
LC01.02	<i>Recognize professional organizations and certifications available to those employed in the landscape industry.</i>		3%	A1	CD/E	Core
LC02.00	Apply procedures to perform calculations and to market landscape enterprises.		8%	C3	E/M/SS	
LC02.01	<i>Apply procedures to perform calculations used in estimates and quotes.</i>		5%	C3	E/M	Core
LC02.02	<i>Understand characteristics of effective marketing.</i>		3%	B2	E/SS	Core
B	LANDSCAPE DESIGN		25%			
LC03.00	Understand the processes used to select plants in the landscape industry.		10%	B2	E/SC	
LC03.01	<i>Recognize plants based on use.</i>		7%	A1	E/SC	Core
LC03.02	<i>Understand factors used to select plants.</i>		3%	B2	E/SC	Core
LC04.00	Apply procedures to develop plans, estimates, and quotes.		15%	C3	A/M	
LC04.01	<i>Remember elements and principles of design, irrigation system components and measurements, and symbols used to develop landscape and irrigation plans.</i>		7%	A1	A/M	Core
LC04.02	<i>Apply procedures to develop landscape and irrigation plans.</i>		5%	C3	A/M	Core
LC04.03	<i>Remember key terms, abilities needed, and items included in estimates and quotes for landscape and/or irrigation plans.</i>		3%	A1	M	Core
C	LANDSCAPE INSTALLATION AND MAINTENANCE		58%			
LC05.00	Apply procedures to install landscapes.		32%	C3	A/H/M/SC	
LC05.01	<i>Remember the uses for materials and hand tools used to install landscapes.</i>		3%	A1	H/M/SC	Core
LC05.02	<i>Apply procedures to use equipment to install landscapes.</i>		8%	C3	H/M/SC	Core
LC05.03	<i>Apply procedures to install turfgrass.</i>		7%	C3	H/M/SC	Core
LC05.04	<i>Understand procedures used to plant, stake/guy, and mulch landscape plants.</i>		6%	B2	M/SC	Core
LC05.05	<i>Apply procedures to incorporate hardscapes into landscapes.</i>		8%	C3	A/M/SC	Core

Comp # Obj #	Unit Titles/Competency and Objective Statements (The Learner will be able to:)	Local Use	Course Weight	RBT Designation	Integrated Skill Areas	Core Supp
1	2	3	4	5	6	7
LC06.00	Apply procedures to maintain landscapes and landscape equipment.		26%	C3	A/H/M/SC	
<i>LC06.01</i>	<i>Apply procedures to prune, fertilize, and mulch landscape plants.</i>		8%	C3	A/H/M/SC	Core
<i>LC06.02</i>	<i>Understand pests and their control in landscapes.</i>		6%	B2	H/M/SC	Core
<i>LC06.03</i>	<i>Apply procedures to maintain turfgrass.</i>		6%	C3	A/H/M/SC	Core
<i>LC06.04</i>	<i>Apply procedures to maintain landscape equipment and tools.</i>		6%	C3	H/M/SC	Core

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