



TEKS CORRELATIONS & SUGGESTED PACING GUIDE

Landscape Design & Management



iCEV Agricultural Science Site

Meets 100% of TEKS

196 days of teaching material

Scope & Sequence	Lesson Title	TEKS	Days of Teaching
1	Field Trip: Dig It! The Secrets of Soil	3.A.i	6
2	Soils of the United States: Southern Region	3.A.i	6
3	Landscape Site Analysis	3.A.ii; 3.B.i; 3.C.i; 3.D.i	5
4	Landscape Design: Design Process	3.A.ii; 3.B.i; 3.C.i; 3.E.i; 4.B.i	2
5	Plant Selection	3.D.i; 3.E.i	5
6	Landscape Design: Introduction	3.E.i; 4.C.vi; 6.B.ii	5
7	Landscaping Styles	3.E.i; 3.F.i; 3.F.ii; 3.G.i; 3.G.ii; 3.H.i; 3.H.ii; 3.H.iii	8
8	Landscape Maintenance Management	1.B.i; 1.B.ii; 1.B.iii; 1.B.iv; 1.B.v; 1.B.vi; 4.A.i; 4.D.i; 7.B.i	3
9	Estimating For Landscape Maintenance	4.C.i; 4.C.ii; 4.C.iii; 4.C.iv; 4.C.v; 7.B.i	3
10	Landscape Tools: Use & Safety	5.A.i; 5.A.ii; 5.A.iii; 5.A.iv; 5.A.v; 5.A.vi; 5.B.i; 5.B.ii; 5.B.iii; 5.B.iv	4
11	Power Blower	5.A.iv; 5.A.vi	1
12	Power Shears	5.A.iv; 5.A.vi	1
13	String Trimmer	5.A.iv; 5.A.vi	1
14	Rotary Edger/Trimmer	5.A.iv; 5.A.vi	1
15	21-Inch Rotary Mower	5.A.iv; 5.A.vi	1
16	Pruning Informal & Formal Hedges	5.A.i; 5.A.iv; 5.A.vi; 7.A.i; 7.A.ii	3
17	Pruning Roses	5.A.i; 7.A.i; 7.A.ii	3
18	Introduction to Irrigation	5.C.i; 5.C.ii; 5.D.ii	5
19	Irrigating the Land	5.C.i; 5.C.ii; 5.C.iii; 5.D.i	5
20	Landscape Irrigation Maintenance & Troubleshooting	5.C.i; 5.C.ii; 5.D.i; 5.D.ii; 5.E.i; 5.E.ii; 6.A.i; 6.B.i	4
21	Growing Media for Landscape Plants	6.A.i; 6.B.i	4
22	Planting Herbaceous Plants & Ground Covers	6.A.i; 6.B.i	3
23	Planting Trees & Shrubs	6.A.i; 6.B.i	4
24	Elements of Pruning	7.A.i; 7.A.ii	3
25	Advanced Pruning	7.A.i; 7.A.ii	4
26	Plant Nutrition	7.C.i; 7.D.i	6
27	Fertilizers & Soil Amendments	7.C.i; 7.D.i; 7.D.ii	7
28	Fertilizers & the Environment	7.C.i; 7.D.i; 7.D.ii	5
29	Pesticide Safety: Minimal Risk To The Applicator	7.E.i; 7.F.i; 7.F.ii; 7.G.i; 7.G.ii	3
30	Pesticide Safety in the Landscape	7.F.i; 7.F.ii; 7.G.ii	5
31	Professional Turf Management	7.H.i	4
32	The World of Agriculture	1.B.i; 1.B.ii	12
33	Career Cluster: Agriculture, Food & Natural Resources	1.A.i; 1.A.ii	7
34	Plant Systems	1.A.i; 1.A.ii; 1.B.i; 1.B.ii; 1.B.iii; 1.B.iv; 1.B.v; 1.B.vi; 1.C.i; 1.C.ii; 1.C.iii	2
35	Formulas for Career Success: Career Testing & Investigation	1.A.i; 1.A.ii	8

Scope & Sequence	Lesson Title	TEKS	Days of Teaching
36	Internships 101: The Importance of Internships	1.A.i; 1.A.ii	2
37	Employability Skills	1.B.iii; 1.B.iv; 1.B.v; 1.B.vi; 1.E.i; 1.E.ii	5
38	Workplace Issues	1.D.i; 1.D.ii	4
39	Safe Working Environment	1.D.i; 1.D.ii	3
40	Citizenship Basics	1.F.i	9
41	Blue & Gold Basics: SAE Programs	2.A.i; 2.A.ii; 2.A.iii; 2.A.iv; 2.A.v; 2.B.i	5
42	Introduction to Record Keeping	2.B.i	3
43	Blue & Gold Basics: What is FFA?	2.C.i; 2.D.i; 2.D.ii	6
44	Blue & Gold Basics: FFA Officers & Meetings	2.C.i	8
45	Blue & Gold Basics: Career Development Events	2.C.i	2

Correlations to the Texas Essential Knowledge and Skills (TEKS): Student/Teacher Material

Subject	Chapter 130. Texas Essential Knowledge and Skills for Career & Technical Education
Subchapter	Subchapter A. Agriculture, Food, And Natural Resources
Course	130.21. Landscape Design and Management (One-Half Credit), Adopted 2015.
Publisher	CEV Multimedia, Ltd.
Program Title	iCEV Agricultural Science Site
Program ISBN	9781614592082
TEKS Coverage (%)	100.00%

(a) **General Requirements.** This course is recommended for students in Grades 10-12. Students shall be awarded one-half credit for successful completion of this course.

(b) **Introduction.**

- (1) Career and technical education instruction provides content aligned with challenging academic standards and relevant technical knowledge and skills for students to further their education and succeed in current or emerging professions.
- (2) The Agriculture, Food, and Natural Resources Career Cluster focuses on the production, processing, marketing, distribution, financing, and development of agricultural commodities and resources, including food, fiber, wood products, natural resources, horticulture, and other plant and animal products/resources.
- (3) Landscape Design and Management is designed to develop an understanding of landscape design and management techniques and practices. To prepare for careers in horticultural systems, students must attain academic skills and knowledge, acquire technical knowledge and skills related to horticultural systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills and technologies in a variety of settings.
- (4) Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.
- (5) Statements that contain the word "including" reference content that must be mastered, while those containing the phrase "such as" are intended as possible illustrative examples.

(c) **Knowledge and Skills.**

Knowledge and Skills Statement	Student Expectation	Breakout	Item Type	Citation Type	Component ISBN	Page (s)	Specific Location
(1) The student demonstrates professional standards/employability skills as required by business and industry. The student is expected to:	(A) identify career development and entrepreneurship opportunities in the field of landscape design and management	(i) identify career development opportunities in the field of landscape design and management	Student/Teacher	Narrative	9781614592082	Career Cluster: Agriculture, Food & Natural Resources	
			Student/Teacher	Activity	9781614592082	Project - Career Comparison; Project - Career Cube; Project - Career Interview; Project - Local Search; Project - The Career for Me	Career Cluster: Agriculture, Food & Natural Resources
			Student/Teacher	Narrative	9781614592082	Plant Systems	
			Student/Teacher	Activity	9781614592082	Activity - Career Ranking	Plant Systems
			Student/Teacher	Narrative	9781614592082	Formulas for Career Success; Career Testing & Investigation; Internships 101; The Importance of Internships	

Knowledge and Skills Statement	Student Expectation	Breakout	Item Type	Citation Type	Component ISBN	Page (s)	Specific Location
			Teacher Only	Narrative			
			Teacher Only				
			Teacher Only				
			Teacher Only				
(1) The student demonstrates professional standards/employability skills as required by business and industry. The student is expected to:	(A) identify career development and entrepreneurship opportunities in the field of landscape design and management	(ii) identify entrepreneurship opportunities in the field of landscape design and management	Student/Teacher	Narrative	9781614592082	Career Cluster: Agriculture, Food & Natural Resources	
			Student/Teacher	Activity	9781614592082	Project - Entrepreneurial Adventures	Career Cluster: Agriculture, Food & Natural Resources
			Student/Teacher	Narrative	9781614592082	Plant Systems	
			Student/Teacher	Activity	9781614592082	Activity - Career Ranking	Plant Systems
			Student/Teacher	Narrative	9781614592082	Formulas for Career Success: Career Testing & Investigation; Internships 101: The Importance of Internships	
			Teacher Only	Narrative			
			Teacher Only				
			Teacher Only				
			Teacher Only				
(1) The student demonstrates professional standards/employability skills as required by business and industry. The student is expected to:	(B) apply competencies related to resources, information, interpersonal skills, problem solving, critical thinking, and systems of operation in landscape design and management	(i) apply competencies related to resources in landscape design and management	Student/Teacher	Narrative	9781614592082	Plant Systems	
			Student/Teacher	Narrative	9781614592082	The World of Agriculture	
			Student/Teacher	Activity	9781614592082	Activity - Career Opportunities: Project - Agricultural Solutions	The World of Agriculture
			Student/Teacher	Narrative	9781614592082	Landscape Maintenance Management	

Knowledge and Skills Statement	Student Expectation	Breakout	Item Type	Citation Type	Component ISBN	Page (s)	Specific Location
			Student/Teacher				
			Teacher Only	Narrative			
			Teacher Only				
			Teacher Only				
			Teacher Only				
(1) The student demonstrates professional standards/employability skills as required by business and industry. The student is expected to:	(B) apply competencies related to resources, information, interpersonal skills, problem solving, critical thinking, and systems of operation in landscape design and management	(ii) apply competencies related to information in landscape design and management	Student/Teacher	Narrative	9781614592082	Plant Systems	
			Student/Teacher	Narrative	9781614592082	The World of Agriculture	
			Student/Teacher	Activity	9781614592082	Activity - Career Opportunities: Project - Agricultural Solutions	The World of Agriculture
			Student/Teacher	Narrative	9781614592082	Landscape Maintenance Management	
			Student/Teacher				
			Teacher Only	Narrative			
			Teacher Only				
			Teacher Only				
			Teacher Only				
(1) The student demonstrates professional standards/employability skills as required by business and industry. The student is expected to:	(B) apply competencies related to resources, information, interpersonal skills, problem solving, critical thinking, and systems of operation in landscape design and management	(iii) apply competencies related to interpersonal skills in landscape design and management	Student/Teacher	Narrative	9781614592082	Plant Systems	
			Student/Teacher	Narrative	9781614592082	Landscape Maintenance Management	
			Student/Teacher	Narrative	9781614592082	Employability Skills	
			Student/Teacher	Activity	9781614592082	Activity - Skills Flashcards: Project - Personal Skills	Employability Skills
			Student/Teacher				

Knowledge and Skills Statement	Student Expectation	Breakout	Item Type	Citation Type	Component ISBN	Page (s)	Specific Location
			Teacher Only	Narrative			
			Teacher Only				
			Teacher Only				
			Teacher Only				
(1) The student demonstrates professional standards/employability skills as required by business and industry. The student is expected to:	(B) apply competencies related to resources, information, interpersonal skills, problem solving, critical thinking, and systems of operation in landscape design and management	(iv) apply competencies related to problem solving in landscape design and management	Student/Teacher	Narrative	9781614592082	Plant Systems	
			Student/Teacher	Narrative	9781614592082	Landscape Maintenance Management	
			Student/Teacher	Narrative	9781614592082	Employability Skills	
			Student/Teacher	Activity	9781614592082	Activity - Skills Flashcards; Project - Personal Skills; Activity - Problem Solving; Activity - Problem Solving Answer Key; Activity - Critical & Creative; Activity - Critical & Creative Answer Key	Employability Skills
			Student/Teacher				
			Teacher Only	Narrative			
			Teacher Only				
			Teacher Only				
			Teacher Only				
(1) The student demonstrates professional standards/employability skills as required by business and industry. The student is expected to:	(B) apply competencies related to resources, information, interpersonal skills, problem solving, critical thinking, and systems of operation in landscape design and management	(v) apply competencies related to critical thinking in landscape design and management	Student/Teacher	Narrative	9781614592082	Plant Systems	
			Student/Teacher	Narrative	9781614592082	Landscape Maintenance Management	
			Student/Teacher	Narrative	9781614592082	Employability Skills	

Knowledge and Skills Statement	Student Expectation	Breakout	Item Type	Citation Type	Component ISBN	Page (s)	Specific Location
			Student/Teacher	Activity	9781614592082	Activity - Skills Flashcards; Project - Personal Skills; Activity - Problem Solving; Activity - Problem Solving Answer Key; Activity - Critical & Creative; Activity - Critical & Creative Answer Key	Employability Skills
			Teacher Only	Narrative			
			Teacher Only				
			Teacher Only				
			Teacher Only				
(1) The student demonstrates professional standards/employability skills as required by business and industry. The student is expected to:	(B) apply competencies related to resources, information, interpersonal skills, problem solving, critical thinking, and systems of operation in landscape design and management	(vi) apply competencies related to systems of operation in landscape design and management	Student/Teacher	Narrative	9781614592082	Plant Systems	
			Student/Teacher	Narrative	9781614592082	Landscape Maintenance Management	
			Student/Teacher	Narrative	9781614592082	Employability Skills	
			Student/Teacher	Activity	9781614592082	Activity - Skills Flashcards; Project - Personal Skills; Activity - Problem Solving; Activity - Problem Solving Answer Key; Activity - Critical & Creative; Activity - Critical & Creative Answer Key	Employability Skills
			Teacher Only	Narrative			
			Teacher Only				

Knowledge and Skills Statement	Student Expectation	Breakout	Item Type	Citation Type	Component ISBN	Page (s)	Specific Location
			Teacher Only				
			Teacher Only				
			Teacher Only				
(1) The student demonstrates professional standards/employability skills as required by business and industry. The student is expected to:	(C) examine licensing, certification, and credentialing requirements to maintain compliance with industry requirements	(i) examine licensing requirements to maintain compliance with industry requirements	Student/Teacher	Narrative	9781614592082	Plant Systems	
			Student/Teacher	Activity	9781614592082	Activity - Career Ranking	Plant Systems
			Student/Teacher				
			Student/Teacher				
			Student/Teacher				
			Teacher Only	Narrative			
			Teacher Only				
			Teacher Only				
			Teacher Only				
(1) The student demonstrates professional standards/employability skills as required by business and industry. The student is expected to:	(C) examine licensing, certification, and credentialing requirements to maintain compliance with industry requirements	(ii) examine certification requirements to maintain compliance with industry requirements	Student/Teacher	Narrative	9781614592082	Plant Systems	
			Student/Teacher	Activity	9781614592082	Activity - Career Ranking	Plant Systems
			Student/Teacher				
			Student/Teacher				
			Student/Teacher				
			Teacher Only	Narrative			
			Teacher Only				
			Teacher Only				
			Teacher Only				
(1) The student demonstrates professional standards/employability skills as required by business and industry. The student is expected to:	(C) examine licensing, certification, and credentialing requirements to maintain compliance with industry requirements	(iii) examine credentialing requirements to maintain compliance with industry requirements	Student/Teacher	Narrative	9781614592082	Plant Systems	
			Student/Teacher	Activity	9781614592082	Activity - Career Ranking	Plant Systems
			Student/Teacher				

Knowledge and Skills Statement	Student Expectation	Breakout	Item Type	Citation Type	Component ISBN	Page (s)	Specific Location
			Student/Teacher				
			Student/Teacher				
			Teacher Only	Narrative			
			Teacher Only				
			Teacher Only				
			Teacher Only				
(1) The student demonstrates professional standards/employability skills as required by business and industry. The student is expected to:	(D) demonstrate knowledge of personal and occupational health and safety practices in the industry	(i) demonstrate knowledge of personal health and safety practices in the industry	Student/Teacher	Narrative	9781614592082	Safe Working Environment	
			Student/Teacher	Activity	9781614592082	Activity - OSHA Handbook	Safe Working Environment
			Student/Teacher	Narrative	9781614592082	Workplace Issues	
			Student/Teacher		9781614592082	Activity - Applying Safety Practices in Everyday Life Teacher Instruction Sheet: Activity - Facts & Opinions in Occupational Safety Practices; Project - Determining Health Practices in the Workplace: Project - In Your Own Words: OSHA in the Workplace	Workplace Issues
			Student/Teacher	Activity			
			Teacher Only	Narrative			
			Teacher Only				
			Teacher Only				
			Teacher Only				

Knowledge and Skills Statement	Student Expectation	Breakout	Item Type	Citation Type	Component ISBN	Page (s)	Specific Location
(1) The student demonstrates professional standards/employability skills as required by business and industry. The student is expected to:	(D) demonstrate knowledge of personal and occupational health and safety practices in the industry	(ii) demonstrate knowledge of occupational health and safety practices in the industry	Student/Teacher	Narrative	9781614592082	Safe Working Environment	
			Student/Teacher	Activity	9781614592082	Activity - OSHA Handbook	Safe Working Environment
			Student/Teacher	Narrative	9781614592082	Workplace Issues	
			Student/Teacher		9781614592082	Activity - Applying Safety Practices in Everyday Life Teacher Instruction Sheet; Activity - Facts & Opinions in Occupational Safety Practices; Project - Determining Health Practices in the Workplace; Project - In Your Own Words: OSHA in the Workplace	Workplace Issues
			Student/Teacher	Activity			
			Teacher Only	Narrative			
			Teacher Only				
			Teacher Only				
			Teacher Only				
(1) The student demonstrates professional standards/employability skills as required by business and industry. The student is expected to:	(E) identify employers' expectations and appropriate work habits	(i) identify employers' expectations	Student/Teacher	Narrative	9781614592082	Employability Skills	
			Student/Teacher	Activity	9781614592082	Project - Personal Skills; Activity - Skills Flashcards; Activity - Work Habits: Good vs Bad; Activity - Work Habits: Good vs Bad Answer Key	Employability Skills
			Student/Teacher				

Knowledge and Skills Statement	Student Expectation	Breakout	Item Type	Citation Type	Component ISBN	Page (s)	Specific Location
			Student/Teacher				
			Student/Teacher				
			Teacher Only	Narrative			
			Teacher Only				
			Teacher Only				
			Teacher Only				
(1) The student demonstrates professional standards/employability skills as required by business and industry. The student is expected to:	(E) identify employers' expectations and appropriate work habits	(ii) identify appropriate work habits	Student/Teacher	Narrative	9781614592082	Employability Skills	
			Student/Teacher	Activity	9781614592082	Project - Personal Skills; Activity - Skills Flashcards; Activity - Work Habits: Good vs Bad; Activity - Work Habits: Good vs Bad Answer Key	Employability Skills
			Student/Teacher				
			Student/Teacher				
			Student/Teacher				
			Teacher Only	Narrative			
			Teacher Only				
			Teacher Only				
			Teacher Only				
(1) The student demonstrates professional standards/employability skills as required by business and industry. The student is expected to:	(F) demonstrate characteristics of good citizenship such as advocacy, stewardship, and community leadership	(i) demonstrate characteristics of good citizenship	Student/Teacher	Narrative	9781614592082	Citizenship Basics	
			Student/Teacher	Activity	9781614592082	Activity - Citizenship: What's it to You?; Project - Serving the Community	Citizenship Basics
			Student/Teacher				
			Student/Teacher				
			Student/Teacher				

Knowledge and Skills Statement	Student Expectation	Breakout	Item Type	Citation Type	Component ISBN	Page (s)	Specific Location
			Teacher Only	Narrative			
			Teacher Only				
			Teacher Only				
			Teacher Only				
(2) The student develops a supervised agriculture experience program. The student is expected to:	(A) plan, propose, conduct, document, and evaluate a supervised agriculture experience program as an experiential learning activity	(i) plan a supervised agriculture experience program as an experiential learning activity	Student/Teacher	Narrative	9781614592082	Blue & Gold Basics: SAE Programs	
			Student/Teacher	Activity	9781614592082	Activity - Matching Experiences; Activity - Matching Experiences Answer Key; Activity - Selecting the Appropriate SAE; Activity - Selecting the Appropriate SAE Answer Key; Project - SAE Planning; Project - SAE Planning Contract; Student Handout - Factors for SAE Selection	Blue & Gold Basics: SAE Programs
			Student/Teacher				
			Student/Teacher				
			Teacher Only	Narrative			
			Teacher Only				
			Teacher Only				
			Teacher Only				

Knowledge and Skills Statement	Student Expectation	Breakout	Item Type	Citation Type	Component ISBN	Page (s)	Specific Location
(2) The student develops a supervised agriculture experience program. The student is expected to:	(A) plan, propose, conduct, document, and evaluate a supervised agriculture experience program as an experiential learning activity	(ii) propose a supervised agriculture experience program as an experiential learning activity	Student/Teacher	Narrative	9781614592082	Blue & Gold Basics: SAE Programs	
			Student/Teacher	Activity	9781614592082	Activity - Matching Experiences; Activity - Matching Experiences Answer Key: Activity - Selecting the Appropriate SAE; Activity - Selecting the Appropriate SAE Answer Key: Project - SAE Planning; Project - SAE Planning Contract: Student Handout - Factors for SAE Selection	Blue & Gold Basics: SAE Programs
			Student/Teacher				
			Student/Teacher				
			Student/Teacher				
			Teacher Only	Narrative			
			Teacher Only				
			Teacher Only				
			Teacher Only				

Knowledge and Skills Statement	Student Expectation	Breakout	Item Type	Citation Type	Component ISBN	Page (s)	Specific Location
(2) The student develops a supervised agriculture experience program. The student is expected to:	(A) plan, propose, conduct, document, and evaluate a supervised agriculture experience program as an experiential learning activity	(iii) conduct a supervised agriculture experience program as an experiential learning activity	Student/Teacher	Narrative	9781614592082	Blue & Gold Basics: SAE Programs	
			Student/Teacher	Activity	9781614592082	Activity - Matching Experiences: Activity - Matching Experiences Answer Key: Activity - Selecting the Appropriate SAE: Activity - Selecting the Appropriate SAE Answer Key: Project - SAE Planning: Project - SAE Planning Contract: Student Handout - Factors for SAE Selection	Blue & Gold Basics: SAE Programs
			Student/Teacher				
			Student/Teacher				
			Student/Teacher				
			Teacher Only	Narrative			
			Teacher Only				
			Teacher Only				
			Teacher Only				

Knowledge and Skills Statement	Student Expectation	Breakout	Item Type	Citation Type	Component ISBN	Page (s)	Specific Location
(2) The student develops a supervised agriculture experience program. The student is expected to:	(A) plan, propose, conduct, document, and evaluate a supervised agriculture experience program as an experiential learning activity	(iv) document a supervised agriculture experience program as an experiential learning activity	Student/Teacher	Narrative	9781614592082	Blue & Gold Basics: SAE Programs	
			Student/Teacher	Activity	9781614592082	Activity - Matching Experiences: Activity - Matching Experiences Answer Key: Activity - Selecting the Appropriate SAE: Activity - Selecting the Appropriate SAE Answer Key: Project - SAE Planning: Project - SAE Planning Contract: Student Handout - Factors for SAE Selection	Blue & Gold Basics: SAE Programs
			Student/Teacher				
			Student/Teacher				
			Student/Teacher				
			Teacher Only	Narrative			
			Teacher Only				
			Teacher Only				
			Teacher Only				

Knowledge and Skills Statement	Student Expectation	Breakout	Item Type	Citation Type	Component ISBN	Page (s)	Specific Location
(2) The student develops a supervised agriculture experience program. The student is expected to:	(A) plan, propose, conduct, document, and evaluate a supervised agriculture experience program as an experiential learning activity	(v) evaluate a supervised agriculture experience program as an experiential learning activity	Student/Teacher	Narrative	9781614592082	Blue & Gold Basics: SAE Programs	
			Student/Teacher	Activity	9781614592082	Activity - Matching Experiences: Activity - Matching Experiences Answer Key: Activity - Selecting the Appropriate SAE: Activity - Selecting the Appropriate SAE Answer Key: Project - SAE Planning: Project - SAE Planning Contract: Student Handout - Factors for SAE Selection	Blue & Gold Basics: SAE Programs
			Student/Teacher				
			Student/Teacher				
			Teacher Only	Narrative			
			Teacher Only				
			Teacher Only				
			Teacher Only				
(2) The student develops a supervised agriculture experience program. The student is expected to:	(B) apply proper record-keeping skills as they relate to the supervised agriculture experience	(i) apply proper record-keeping skills as they relate to the supervised agriculture experience	Student/Teacher	Narrative	9781614592082	Introduction to Record Keeping	
			Student/Teacher	Activity	9781614592082	Project - Introduction to Record Keeping	Introduction to Record Keeping
			Student/Teacher	Narrative	9781614592082	Blue & Gold Basics: SAE Programs	
			Student/Teacher	Activity	9781614592082	Project - SAE Planning: Project - SAE Planning Contract	Blue & Gold Basics: SAE Programs

Knowledge and Skills Statement	Student Expectation	Breakout	Item Type	Citation Type	Component ISBN	Page (s)	Specific Location
			Student/Teacher				
			Teacher Only	Narrative			
			Teacher Only				
			Teacher Only				
			Teacher Only				
			Teacher Only				
(2) The student develops a supervised agriculture experience program. The student is expected to:	(C) participate in youth leadership opportunities to create a well-rounded experience program	(f) participate in youth leadership opportunities to create a well-rounded experience program	Student/Teacher	Narrative	9781614592082	Blue & Gold Basics: What is FFA?	
			Student/Teacher	Activity	9781614592082	Student Handout - Program of Activities; Activity - Program of Activities; Project - FFA Group Lesson Plan	Blue & Gold Basics: What is FFA?
			Student/Teacher	Narrative	9781614592082	Blue & Gold Basics: FFA Officers & Meetings	
			Student/Teacher	Activity	9781614592082	Activity - FFA Officer Duties; Activity - FFA Officer Duties Answer Key	Blue & Gold Basics: FFA Officers & Meetings
			Student/Teacher	Narrative	9781614592082	Blue & Gold Basics: Career Development Events	
			Teacher Only	Narrative			
			Teacher Only				
			Teacher Only				
			Teacher Only				

Knowledge and Skills Statement	Student Expectation	Breakout	Item Type	Citation Type	Component ISBN	Page (s)	Specific Location
(2) The student develops a supervised agriculture experience program. The student is expected to:	(D) produce and participate in a local program of activities using a strategic planning process	(i) produce a local program of activities using a strategic planning process	Student/Teacher	Narrative	9781614592082	Blue & Gold Basics: What is FFA?	
			Student/Teacher	Activity	9781614592082	Student Handout - Program of Activities; Activity - Program of Activities; Project - FFA Group Lesson Plan	Blue & Gold Basics: What is FFA?
			Student/Teacher				
			Student/Teacher				
			Student/Teacher				
			Teacher Only	Narrative			
			Teacher Only				
			Teacher Only				
			Teacher Only				
			Teacher Only				
(2) The student develops a supervised agriculture experience program. The student is expected to:	(D) produce and participate in a local program of activities using a strategic planning process	(ii) participate in a local program of activities using a strategic planning process	Student/Teacher	Narrative	9781614592082	Blue & Gold Basics: What is FFA?	
			Student/Teacher	Activity	9781614592082	Student Handout - Program of Activities; Activity - Program of Activities; Project - FFA Group Lesson Plan	Blue & Gold Basics: What is FFA?
			Student/Teacher				
			Student/Teacher				
			Student/Teacher				
			Teacher Only	Narrative			
			Teacher Only				
			Teacher Only				
			Teacher Only				
			Teacher Only				

Knowledge and Skills Statement	Student Expectation	Breakout	Item Type	Citation Type	Component ISBN	Page (s)	Specific Location
(3) The student identifies environmental, aesthetic, and financial benefits of landscaped sites. The student is expected to:	(A) assess soil characteristics and environmental conditions	(i) assess soil characteristics	Student/Teacher	Narrative	9781614592082	Field Trip: Dig It! The Secrets of Soil	
			Student/Teacher	Activity	9781614592082	Project - Presentation	Field Trip: Dig It! The Secrets of Soil
			Student/Teacher	Narrative	9781614592082	Soils of the United States: Southern Region	
			Student/Teacher	Activity	9781614592082	Project - Flash Cards	Soils of the United States: Southern Region
			Student/Teacher				
			Teacher Only	Narrative			
			Teacher Only				
			Teacher Only				
			Teacher Only				
			Teacher Only				
(3) The student identifies environmental, aesthetic, and financial benefits of landscaped sites. The student is expected to:	(A) assess soil characteristics and environmental conditions	(ii) assess environmental conditions	Student/Teacher	Narrative	9781614592082	Landscape Site Analysis	
			Student/Teacher	Activity	9781614592082	Project - Landscape Site Analysis	Landscape Site Analysis
			Student/Teacher	Narrative	9781614592082	Landscape Design: Design Process	
			Student/Teacher	Activity	9781614592082	Project - Site Inventory	Landscape Design: Design Process
			Student/Teacher				
			Teacher Only	Narrative			
			Teacher Only				
			Teacher Only				
			Teacher Only				
			Teacher Only				

Knowledge and Skills Statement	Student Expectation	Breakout	Item Type	Citation Type	Component ISBN	Page (s)	Specific Location
(3) The student identifies environmental, aesthetic, and financial benefits of landscaped sites. The student is expected to:	(B) assess site for local conditions such as property lines, easement restrictions, and location of public utilities	(i) assess site for local conditions	Student/Teacher	Narrative	9781614592082	Landscape Site Analysis	
			Student/Teacher	Activity	9781614592082	Project - Landscape Site Analysis	Landscape Site Analysis
			Student/Teacher	Narrative	9781614592082	Landscape Design: Design Process	
			Student/Teacher	Activity	9781614592082	Project - Site Inventory	Landscape Design: Design Process
			Student/Teacher				
			Teacher Only	Narrative			
			Teacher Only				
			Teacher Only				
			Teacher Only				
			Teacher Only				
(3) The student identifies environmental, aesthetic, and financial benefits of landscaped sites. The student is expected to:	(C) complete a site analysis checklist	(i) complete a site analysis checklist	Student/Teacher	Narrative	9781614592082	Landscape Site Analysis	
			Student/Teacher	Narrative	9781614592082	Landscape Design: Design Process	
			Student/Teacher	Activity	9781614592082	Project - Site Inventory	Landscape Design: Design Process
			Student/Teacher				
			Student/Teacher				
			Teacher Only	Narrative			
			Teacher Only				
			Teacher Only				
			Teacher Only				
			Teacher Only				
(3) The student identifies environmental, aesthetic, and financial benefits of landscaped sites. The student is expected to:	(D) produce a site sketch using graphic design equipment or software	(i) produce a site sketch using graphic design equipment or software	Student/Teacher	Narrative	9781614592082	Landscape Site Analysis	
			Student/Teacher	Narrative	9781614592082	Plant Selection	

Knowledge and Skills Statement	Student Expectation	Breakout	Item Type	Citation Type	Component ISBN	Page (s)	Specific Location
			Student/Teacher	Activity	9781614592082	Project - Plant Selection; Project - Plant Selection Teacher Instruction Sheet	Plant Selection
			Student/Teacher				
			Student/Teacher				
			Teacher Only	Narrative			
			Teacher Only				
			Teacher Only				
			Teacher Only				
(3) The student identifies environmental, aesthetic, and financial benefits of landscaped sites. The student is expected to:	(E) identify plants used in designing landscapes	(i) identify plants used in designing landscapes	Student/Teacher	Narrative	9781614592082	Landscape Design: Design Process	
			Student/Teacher	Activity	9781614592082	Activity - Landscape Design	Landscape Design: Design Process
			Student/Teacher	Narrative	9781614592082	Landscape Design: Introduction; Project - Landscape Design Teacher Instruction Sheet: Project - Landscape Design	Landscape Design: Introduction: PLEASE NOTE: Due to space limitations, the narrative and associated activity are listed on one line. Several lessons and corresponding activities satisfy this standard.
			Student/Teacher	Narrative	9781614592082	Plant Selection: Project - Plant Selection; Project - Plant Selection Teacher Instruction Sheet	Plant Selection: PLEASE NOTE: Due to space limitations, the narrative and associated activity are listed on one line. Several lessons and corresponding activities satisfy this standard.
			Student/Teacher	Narrative	9781614592082	Landscaping Styles: Project - Landscape Design Plan	Landscaping Styles: PLEASE NOTE: Due to space limitations, the narrative and associated activity are listed on one line. Several lessons and corresponding activities satisfy this standard.
			Teacher Only	Narrative			
			Teacher Only				
			Teacher Only				

Knowledge and Skills Statement	Student Expectation	Breakout	Item Type	Citation Type	Component ISBN	Page (s)	Specific Location
			Teacher Only				
(3) The student identifies environmental, aesthetic, and financial benefits of landscaped sites. The student is expected to:	(F) identify structures and hardscape materials used in designing landscapes	(i) identify structures used in designing landscapes	Student/Teacher	Narrative	9781614592082	Landscaping Styles	
			Student/Teacher	Activity	9781614592082	Project - Landscape Design Plan; Project - Landscape Design Plan Teacher Instruction Sheet	Landscaping Styles
			Student/Teacher				
			Student/Teacher				
			Teacher Only	Narrative			
			Teacher Only				
			Teacher Only				
			Teacher Only				
(3) The student identifies environmental, aesthetic, and financial benefits of landscaped sites. The student is expected to:	(F) identify structures and hardscape materials used in designing landscapes	(ii) identify hardscape materials used in designing landscapes	Student/Teacher	Narrative	9781614592082	Landscaping Styles	
			Student/Teacher	Activity	9781614592082	Project - Landscape Design Plan	Landscaping Styles
			Student/Teacher				
			Student/Teacher				
			Teacher Only	Narrative			
			Teacher Only				
			Teacher Only				
			Teacher Only				

Knowledge and Skills Statement	Student Expectation	Breakout	Item Type	Citation Type	Component ISBN	Page (s)	Specific Location
(3) The student identifies environmental, aesthetic, and financial benefits of landscaped sites. The student is expected to:	(G) create landscape designs demonstrating the application of design elements and principles	(i) create landscape designs demonstrating the application of design elements	Student/Teacher	Narrative	9781614592082	Landscaping Styles	
			Student/Teacher	Activity	9781614592082	Project - Landscape Design Plan	Landscaping Styles
			Student/Teacher				
			Student/Teacher				
			Student/Teacher				
			Teacher Only	Narrative			
			Teacher Only				
			Teacher Only				
			Teacher Only				
			Teacher Only				
(3) The student identifies environmental, aesthetic, and financial benefits of landscaped sites. The student is expected to:	(G) create landscape designs demonstrating the application of design elements and principles	(ii) create landscape designs demonstrating the application of design principles	Student/Teacher	Narrative	9781614592082	Landscaping Styles	
			Student/Teacher	Activity	9781614592082	Project - Landscape Design Plan	Landscaping Styles
			Student/Teacher				
			Student/Teacher				
			Student/Teacher				
			Teacher Only	Narrative			
			Teacher Only				
			Teacher Only				
			Teacher Only				
			Teacher Only				

Knowledge and Skills Statement	Student Expectation	Breakout	Item Type	Citation Type	Component ISBN	Page (s)	Specific Location
(3) The student identifies environmental, aesthetic, and financial benefits of landscaped sites. The student is expected to:	(H) analyze different landscape design styles and identify the different aesthetic and environmental factors of each style	(i) analyze different landscape design styles	Student/Teacher	Narrative	9781614592082	Landscaping Styles	
			Student/Teacher	Activity	9781614592082	Activity - Which Landscaping Style?; Activity - Which Landscaping Style? Answer Key; Project - Landscape Design Plan	Landscaping Styles
			Student/Teacher				
			Student/Teacher				
			Student/Teacher				
			Teacher Only	Narrative			
			Teacher Only				
			Teacher Only				
			Teacher Only				
(3) The student identifies environmental, aesthetic, and financial benefits of landscaped sites. The student is expected to:	(H) analyze different landscape design styles and identify the different aesthetic and environmental factors of each style	(ii) identify the different aesthetic factors of each style	Student/Teacher	Narrative	9781614592082	Landscaping Styles	
			Student/Teacher	Activity	9781614592082	Project - Landscape Design Plan	Landscaping Styles
			Student/Teacher				
			Student/Teacher				
			Student/Teacher				
			Teacher Only	Narrative			
			Teacher Only				
			Teacher Only				
			Teacher Only				

Knowledge and Skills Statement	Student Expectation	Breakout	Item Type	Citation Type	Component ISBN	Page (s)	Specific Location
(3) The student identifies environmental, aesthetic, and financial benefits of landscaped sites. The student is expected to:	(H) analyze different landscape design styles and identify the different aesthetic and environmental factors of each style	(iii) identify the different environmental factors of each style	Student/Teacher	Narrative	9781614592082	Landscaping Styles	
			Student/Teacher	Activity	9781614592082	Project - Landscape Design Plan	Landscaping Styles
			Student/Teacher				
			Student/Teacher				
			Student/Teacher				
			Teacher Only	Narrative			
			Teacher Only				
			Teacher Only				
			Teacher Only				
			Teacher Only				
(4) The student performs landscape business procedures. The student is expected to:	(A) demonstrate skills for interviewing potential clients	(i) demonstrate skills for interviewing potential clients	Student/Teacher	Narrative	9781614592082	Landscape Maintenance Management	
			Student/Teacher	Activity	9781614592082	Activity - Landscape Maintenance Management	Landscape Maintenance Management
			Student/Teacher				
			Student/Teacher				
			Student/Teacher				
			Teacher Only	Narrative			
			Teacher Only				
			Teacher Only				
			Teacher Only				
			Teacher Only				
(4) The student performs landscape business procedures. The student is expected to:	(B) develop landscape ideas from a checklist	(i) develop landscape ideas from a checklist	Student/Teacher	Narrative	9781614592082	Landscape Design: Design Process	
			Student/Teacher	Activity	9781614592082	Activity - Landscape Design	Landscape Design: Design Process
			Student/Teacher				
			Student/Teacher				

Knowledge and Skills Statement	Student Expectation	Breakout	Item Type	Citation Type	Component ISBN	Page (s)	Specific Location
			Student/Teacher				
			Teacher Only	Narrative			
			Teacher Only				
			Teacher Only				
			Teacher Only				
(4) The student performs landscape business procedures. The student is expected to:	(C) prepare cost estimates and schedules for landscaping services, including materials, labor, and business costs	(i) prepare cost estimates for landscaping services, including materials	Student/Teacher	Narrative	9781614592082	Estimating for Landscape Maintenance	
			Student/Teacher	Activity	9781614592082	Project - Estimating Landscape Maintenance	Estimating for Landscape Maintenance
			Student/Teacher				
			Student/Teacher				
			Student/Teacher				
			Teacher Only	Narrative			
			Teacher Only				
			Teacher Only				
			Teacher Only				
(4) The student performs landscape business procedures. The student is expected to:	(C) prepare cost estimates and schedules for landscaping services, including materials, labor, and business costs	(ii) prepare cost estimates for landscaping services, including labor	Student/Teacher	Narrative	9781614592082	Estimating for Landscape Maintenance	
			Student/Teacher	Activity	9781614592082	Project - Estimating Landscape Maintenance	Estimating for Landscape Maintenance
			Student/Teacher				
			Student/Teacher				
			Student/Teacher				
			Teacher Only	Narrative			
			Teacher Only				
			Teacher Only				
			Teacher Only				

Knowledge and Skills Statement	Student Expectation	Breakout	Item Type	Citation Type	Component ISBN	Page (s)	Specific Location
			Teacher Only				
(4) The student performs landscape business procedures. The student is expected to:	(C) prepare cost estimates and schedules for landscaping services, including materials, labor, and business costs	(iii) prepare cost estimates for landscaping services, including business costs	Student/Teacher	Narrative	9781614592082	Estimating for Landscape Maintenance	
			Student/Teacher	Activity	9781614592082	Project - Estimating Landscape Maintenance	Estimating for Landscape Maintenance
			Student/Teacher				
			Student/Teacher				
			Student/Teacher				
			Teacher Only	Narrative			
			Teacher Only				
			Teacher Only				
			Teacher Only				
(4) The student performs landscape business procedures. The student is expected to:	(C) prepare cost estimates and schedules for landscaping services, including materials, labor, and business costs	(iv) prepare schedules for landscaping services, including materials	Student/Teacher	Narrative	9781614592082	Estimating for Landscape Maintenance	
			Student/Teacher	Activity	9781614592082	Project - Estimating Landscape Maintenance	Estimating for Landscape Maintenance
			Student/Teacher				
			Student/Teacher				
			Student/Teacher				
			Teacher Only	Narrative			
			Teacher Only				
			Teacher Only				
			Teacher Only				

Knowledge and Skills Statement	Student Expectation	Breakout	Item Type	Citation Type	Component ISBN	Page (s)	Specific Location	
(4) The student performs landscape business procedures. The student is expected to:	(C) prepare cost estimates and schedules for landscaping services, including materials, labor, and business costs	(v) prepare schedules for landscaping services, including labor	Student/Teacher	Narrative	9781614592082	Estimating for Landscape Maintenance		
			Student/Teacher	Activity	9781614592082	Project - Estimating Landscape Maintenance	Estimating for Landscape Maintenance	
			Student/Teacher					
			Student/Teacher					
			Student/Teacher					
			Teacher Only	Narrative				
			Teacher Only					
			Teacher Only					
			Teacher Only					
			Teacher Only					
(4) The student performs landscape business procedures. The student is expected to:	(C) prepare cost estimates and schedules for landscaping services, including materials, labor, and business costs	(vi) prepare schedules for landscaping services, including business costs	Student/Teacher	Narrative	9781614592082	Landscape Design: Introduction		
			Student/Teacher	Activity	9781614592082	Project - Landscape Design	Landscape Design: Introduction	
			Student/Teacher					
			Student/Teacher					
			Student/Teacher					
			Teacher Only	Narrative				
			Teacher Only					
			Teacher Only					
			Teacher Only					
			Teacher Only					
(4) The student performs landscape business procedures. The student is expected to:	(D) analyze service contracts	(i) analyze service contracts	Student/Teacher	Narrative	9781614592082	Landscape Maintenance Management		
			Student/Teacher	Activity	9781614592082	Project - Chart of Services	Landscape Maintenance Management	
			Student/Teacher					
			Student/Teacher					
			Student/Teacher					

Knowledge and Skills Statement	Student Expectation	Breakout	Item Type	Citation Type	Component ISBN	Page (s)	Specific Location
			Teacher Only	Narrative			
			Teacher Only				
			Teacher Only				
			Teacher Only				
(5) The student analyzes the cost and maintenance of tools and equipment used in the landscape industry. The student is expected to:	(A) identify, store, and maintain landscaping hand tools and power equipment	(i) identify landscaping hand tools	Student/Teacher	Narrative	9781614592082	Landscape Tools: Use & Safety	
			Student/Teacher	Narrative	9781614592082	Pruning Roses	
			Student/Teacher	Narrative	9781614592082	Pruning Informal & Formal Hedges	
			Student/Teacher	Activity	9781614592082	Activity - Pruning Equipment	Pruning Informal & Formal Hedges
			Student/Teacher				
			Teacher Only	Narrative			
			Teacher Only				
			Teacher Only				
			Teacher Only				
(5) The student analyzes the cost and maintenance of tools and equipment used in the landscape industry. The student is expected to:	(A) identify, store, and maintain landscaping hand tools and power equipment	(ii) store landscaping hand tools	Student/Teacher	Narrative	9781614592082	Landscape Tools: Use & Safety	
			Student/Teacher	Activity	9781614592082	Project - Landscape Tools: Use & Safety	Landscape Tools: Use & Safety
			Student/Teacher				
			Student/Teacher				
			Student/Teacher				
			Teacher Only	Narrative			
			Teacher Only				
			Teacher Only				

Knowledge and Skills Statement	Student Expectation	Breakout	Item Type	Citation Type	Component ISBN	Page (s)	Specific Location
			Teacher Only				
(5) The student analyzes the cost and maintenance of tools and equipment used in the landscape industry. The student is expected to:	(A) identify, store, and maintain landscaping hand tools and power equipment	(iii) maintain landscaping hand tools	Student/Teacher	Narrative	9781614592082	Landscape Tools: Use & Safety	
			Student/Teacher	Activity	9781614592082	Project - Landscape Tools: Use & Safety	Landscape Tools: Use & Safety
			Student/Teacher				
			Student/Teacher				
			Teacher Only	Narrative			
			Teacher Only				
			Teacher Only				
			Teacher Only				
(5) The student analyzes the cost and maintenance of tools and equipment used in the landscape industry. The student is expected to:	(A) identify, store, and maintain landscaping hand tools and power equipment	(iv) identify landscaping power equipment	Student/Teacher	Narrative	9781614592082	Landscape Tools: Use & Safety; Power Blower; Rotary Edger/Trimmer; String Trimmer; 21-inch Rotary Mower	PLEASE NOTE: Due to space limitations, more than one narrative correlation lesson is listed on this line. Several lessons and corresponding activities satisfy this standard.
			Student/Teacher	Narrative	9781614592082	Power Shears	
			Student/Teacher	Activity	9781614592082	Project - Power Shear Brands	Power Shears
			Student/Teacher	Narrative	9781614592082	Pruning Informal & Formal Hedges	
			Student/Teacher	Activity	9781614592082	Activity - Pruning Equipment	Pruning Informal & Formal Hedges
			Teacher Only	Narrative			
			Teacher Only				
			Teacher Only				
			Teacher Only				

Knowledge and Skills Statement	Student Expectation	Breakout	Item Type	Citation Type	Component ISBN	Page (s)	Specific Location
(5) The student analyzes the cost and maintenance of tools and equipment used in the landscape industry. The student is expected to:	(A) identify, store, and maintain landscaping hand tools and power equipment	(v) store landscaping power equipment	Student/Teacher	Narrative	9781614592082	Landscape Tools: Use & Safety	
			Student/Teacher	Activity	9781614592082	Project - Landscape Tools: Use & Safety	Landscape Tools: Use & Safety
			Student/Teacher				
			Student/Teacher				
			Student/Teacher				
			Teacher Only	Narrative			
			Teacher Only				
			Teacher Only				
			Teacher Only				
			Teacher Only				
(5) The student analyzes the cost and maintenance of tools and equipment used in the landscape industry. The student is expected to:	(A) identify, store, and maintain landscaping hand tools and power equipment	(vi) maintain landscaping power equipment	Student/Teacher	Narrative	9781614592082	Landscape Tools: Use & Safety	
			Student/Teacher	Activity	9781614592082	Project - Landscape Tools: Use & Safety	Landscape Tools: Use & Safety
			Student/Teacher	Narrative	9781614592082	21-Inch Rotary Mower	
			Student/Teacher	Activity	9781614592082	Project - School Maintenance Department	21-Inch Rotary Mower
			Student/Teacher	Narrative	9781614592082	Pruning Informal & Formal Hedges; Power Blower; Power Shears; Rotary Edger/Trimmer; String Trimmer	PLEASE NOTE: Due to space limitations, more than one narrative correlation lesson is listed on this line. Several lessons and corresponding activities satisfy this standard.
			Teacher Only	Narrative			
			Teacher Only				
			Teacher Only				
			Teacher Only				
			Teacher Only				

Knowledge and Skills Statement	Student Expectation	Breakout	Item Type	Citation Type	Component ISBN	Page (s)	Specific Location
(5) The student analyzes the cost and maintenance of tools and equipment used in the landscape industry. The student is expected to:	(B) analyze costs associated with purchasing and maintaining landscaping hand tools and power equipment	(i) analyze costs associated with purchasing landscaping hand tools	Student/Teacher	Narrative	9781614592082	Landscape Tools: Use & Safety	
			Student/Teacher	Activity	9781614592082	Activity - Costs	Landscape Tools: Use & Safety
			Student/Teacher				
			Student/Teacher				
			Teacher Only	Narrative			
			Teacher Only				
			Teacher Only				
			Teacher Only				
(5) The student analyzes the cost and maintenance of tools and equipment used in the landscape industry. The student is expected to:	(B) analyze costs associated with purchasing and maintaining landscaping hand tools and power equipment	(ii) analyze costs associated with purchasing landscaping power equipment	Student/Teacher	Narrative	9781614592082	Landscape Tools: Use & Safety	
			Student/Teacher	Activity	9781614592082	Activity - Costs	Landscape Tools: Use & Safety
			Student/Teacher				
			Student/Teacher				
			Teacher Only	Narrative			
			Teacher Only				
			Teacher Only				
			Teacher Only				
(5) The student analyzes the cost and maintenance of tools and equipment used in the landscape industry. The student is expected to:	(B) analyze costs associated with purchasing and maintaining landscaping hand tools and power equipment	(iii) analyze costs associated with maintaining landscaping hand tools	Student/Teacher	Narrative	9781614592082	Landscape Tools: Use & Safety	
			Student/Teacher	Activity	9781614592082	Activity - Costs	Landscape Tools: Use & Safety
			Student/Teacher				
			Student/Teacher				

Knowledge and Skills Statement	Student Expectation	Breakout	Item Type	Citation Type	Component ISBN	Page (s)	Specific Location
			Teacher Only	Narrative			
			Teacher Only				
			Teacher Only				
			Teacher Only				
(5) The student analyzes the cost and maintenance of tools and equipment used in the landscape industry. The student is expected to:	(B) analyze costs associated with purchasing and maintaining landscaping hand tools and power equipment	(iv) analyze costs associated with maintaining landscaping power equipment	Student/Teacher	Narrative	9781614592082	Landscape Tools: Use & Safety	
			Student/Teacher	Activity	9781614592082	Activity - Costs	Landscape Tools: Use & Safety
			Student/Teacher				
			Student/Teacher				
			Teacher Only	Narrative			
			Teacher Only				
			Teacher Only				
			Teacher Only				
(5) The student analyzes the cost and maintenance of tools and equipment used in the landscape industry. The student is expected to:	(C) assess different landscape irrigation systems for efficiency, application, and environmental impact	(i) assess different landscape irrigation systems for efficiency	Student/Teacher	Narrative	9781614592082	Landscape Irrigation Maintenance & Troubleshooting	
			Student/Teacher	Activity	9781614592082	Additional Instructional Strategies: Project - Irrigation Blueprints	Landscape Irrigation Maintenance & Troubleshooting
			Student/Teacher	Narrative	9781614592082	Irrigating the Land	
			Student/Teacher	Narrative	9781614592082	Introduction to Irrigation	
			Student/Teacher	Activity	9781614592082	Activity - Irrigation Methods; Activity - New Irrigation Technology	Introduction to Irrigation

Knowledge and Skills Statement	Student Expectation	Breakout	Item Type	Citation Type	Component ISBN	Page (s)	Specific Location
			Teacher Only	Narrative			
			Teacher Only				
			Teacher Only				
			Teacher Only				
(5) The student analyzes the cost and maintenance of tools and equipment used in the landscape industry. The student is expected to:	(C) assess different landscape irrigation systems for efficiency, application, and environmental impact	(ii) assess different landscape irrigation systems for application	Student/Teacher	Narrative	9781614592082	Landscape Irrigation Maintenance & Troubleshooting	
			Student/Teacher	Activity	9781614592082	Additional Instructional Strategies: Project - Irrigation Blueprints	Landscape Irrigation Maintenance & Troubleshooting
			Student/Teacher	Narrative	9781614592082	Irrigating the Land	
			Student/Teacher	Narrative	9781614592082	Introduction to Irrigation	
			Student/Teacher				
			Teacher Only	Narrative			
			Teacher Only				
			Teacher Only				
			Teacher Only				
(5) The student analyzes the cost and maintenance of tools and equipment used in the landscape industry. The student is expected to:	(C) assess different landscape irrigation systems for efficiency, application, and environmental impact	(iii) assess different landscape irrigation systems for environmental impact	Student/Teacher	Narrative	9781614592082	Irrigating the Land	
			Student/Teacher	Activity	9781614592082	Project - Irrigation Systems	Irrigating the Land
			Student/Teacher				
			Student/Teacher				
			Student/Teacher				
			Teacher Only	Narrative			
			Teacher Only				

Knowledge and Skills Statement	Student Expectation	Breakout	Item Type	Citation Type	Component ISBN	Page (s)	Specific Location
			Teacher Only				
			Teacher Only				
			Teacher Only				
(5) The student analyzes the cost and maintenance of tools and equipment used in the landscape industry. The student is expected to:	(D) identify common irrigation system components and materials	(i) identify common irrigation system components	Student/Teacher	Narrative	9781614592082	Landscape Irrigation Maintenance & Troubleshooting	
			Student/Teacher	Activity	9781614592082	Additional Instructional Strategies: Project - Irrigation Blueprints	Landscape Irrigation Maintenance & Troubleshooting
			Student/Teacher	Narrative	9781614592082	Irrigating the Land	
			Student/Teacher				
			Teacher Only	Narrative			
			Teacher Only				
			Teacher Only				
			Teacher Only				
(5) The student analyzes the cost and maintenance of tools and equipment used in the landscape industry. The student is expected to:	(D) identify common irrigation system components and materials	(ii) identify common irrigation system materials	Student/Teacher	Narrative	9781614592082	Landscape Irrigation Maintenance & Troubleshooting	
			Student/Teacher	Activity	9781614592082	Additional Instructional Strategies	Landscape Irrigation Maintenance & Troubleshooting
			Student/Teacher	Narrative	9781614592082	Introduction to Irrigation	
			Student/Teacher	Activity	9781614592082	Project - Irrigation Model	Introduction to Irrigation
			Student/Teacher				
			Teacher Only	Narrative			
			Teacher Only				
			Teacher Only				
			Teacher Only				

Knowledge and Skills Statement	Student Expectation	Breakout	Item Type	Citation Type	Component ISBN	Page (s)	Specific Location
(5) The student analyzes the cost and maintenance of tools and equipment used in the landscape industry. The student is expected to:	(E) examine local and state regulations affecting irrigation systems	(i) examine local regulations affecting irrigation systems	Student/Teacher	Narrative	9781614592082	Landscape Irrigation Maintenance & Troubleshooting	
			Student/Teacher	Activity	9781614592082	Student Handout - Local & State Regulations	Landscape Irrigation Maintenance & Troubleshooting
			Student/Teacher				
			Student/Teacher				
(5) The student analyzes the cost and maintenance of tools and equipment used in the landscape industry. The student is expected to:	(E) examine local and state regulations affecting irrigation systems	(ii) examine state regulations affecting irrigation systems	Teacher Only	Narrative			
			Teacher Only				
			Teacher Only				
			Teacher Only				
(5) The student analyzes the cost and maintenance of tools and equipment used in the landscape industry. The student is expected to:	(E) examine local and state regulations affecting irrigation systems	(ii) examine state regulations affecting irrigation systems	Student/Teacher	Narrative	9781614592082	Landscape Irrigation Maintenance & Troubleshooting	
			Student/Teacher	Activity	9781614592082	Student Handout - Local & State Regulations	Landscape Irrigation Maintenance & Troubleshooting
			Student/Teacher				
			Student/Teacher				
(5) The student analyzes the cost and maintenance of tools and equipment used in the landscape industry. The student is expected to:	(E) examine local and state regulations affecting irrigation systems	(ii) examine state regulations affecting irrigation systems	Teacher Only	Narrative			
			Teacher Only				
			Teacher Only				
			Teacher Only				
(6) The student performs landscape installation services. The student is expected to:	(A) prepare landscape sites for installation	(i) prepare landscape sites for installation	Student/Teacher	Narrative	9781614592082	Landscape Irrigation Maintenance & Troubleshooting	
			Student/Teacher	Activity	9781614592082	Project - Irrigation Blueprints	Landscape Irrigation Maintenance & Troubleshooting

Knowledge and Skills Statement	Student Expectation	Breakout	Item Type	Citation Type	Component ISBN	Page (s)	Specific Location
			Student/Teacher	Narrative	9781614592082	Growing Media for Landscape Plants: Project - Growing Media for Landscape Plants	Growing Media for Landscape Plants; PLEASE NOTE: Due to space limitations, the narrative and associated activity are listed on one line. Several lessons and corresponding activities satisfy this standard.
			Student/Teacher	Narrative	9781614592082	Planting Herbaceous Plants & Ground Covers: Project - Planting Herbaceous Plants & Ground Covers	Planting Herbaceous Plants & Ground Covers; PLEASE NOTE: Due to space limitations, the narrative and associated activity are listed on one line. Several lessons and corresponding activities satisfy this standard.
			Student/Teacher	Narrative	9781614592082	Planting Trees & Shrubs: Project - Planting Trees & Shrubs	Planting Trees & Shrubs; PLEASE NOTE: Due to space limitations, the narrative and associated activity are listed on one line. Several lessons and corresponding activities satisfy this standard.
			Teacher Only	Narrative			
			Teacher Only				
			Teacher Only				
			Teacher Only				
(6) The student performs landscape installation services. The student is expected to:	(B) install landscape plants and structures using proper installation techniques	(i) install landscape plants using proper installation techniques	Student/Teacher	Narrative	9781614592082	Landscape Irrigation Maintenance & Troubleshooting	
			Student/Teacher	Activity	9781614592082	Project - Irrigation Blueprints	Landscape Irrigation Maintenance & Troubleshooting
			Student/Teacher	Narrative	9781614592082	Growing Media for Landscape Plants: Project - Growing Media for Landscape Plants	Growing Media for Landscape Plants; PLEASE NOTE: Due to space limitations, the narrative and associated activity are listed on one line. Several lessons and corresponding activities satisfy this standard.
			Student/Teacher	Narrative	9781614592082	Planting Herbaceous Plants & Ground Covers: Project - Planting Herbaceous Plants & Ground Covers	Planting Herbaceous Plants & Ground Covers; PLEASE NOTE: Due to space limitations, the narrative and associated activity are listed on one line. Several lessons and corresponding activities satisfy this standard.
			Student/Teacher	Narrative	9781614592082	Planting Trees & Shrubs: Project - Planting Trees & Shrubs	Planting Trees & Shrubs; PLEASE NOTE: Due to space limitations, the narrative and associated activity are listed on one line. Several lessons and corresponding activities satisfy this standard.

Knowledge and Skills Statement	Student Expectation	Breakout	Item Type	Citation Type	Component ISBN	Page (s)	Specific Location
			Teacher Only	Narrative			
			Teacher Only				
			Teacher Only				
			Teacher Only				
(6) The student performs landscape installation services. The student is expected to:	(B) install landscape plants and structures using proper installation techniques	(ii) install landscape structures using proper installation techniques	Student/Teacher	Narrative	9781614592082	Landscape Design: Introduction	
			Student/Teacher	Activity	9781614592082	Project - Landscape Design: Project - Landscape Design Teacher Instruction Sheet	Landscape Design: Introduction
			Student/Teacher				
			Student/Teacher				
			Teacher Only	Narrative			
			Teacher Only				
			Teacher Only				
			Teacher Only				
(7) The student performs landscape maintenance services. The student is expected to:	(A) identify and demonstrate proper pruning techniques for different plant materials	(i) identify proper pruning techniques for different plant materials	Student/Teacher	Narrative	9781614592082	Elements of Pruning	
			Student/Teacher	Activity	9781614592082	Activity - Types of Pruning; Project - Pruning in Your Neighborhood	Elements of Pruning
			Student/Teacher	Narrative	9781614592082	Pruning Informal & Formal Hedges; Project - Pruning Plans	Pruning Informal & Formal Hedges; PLEASE NOTE: Due to space limitations, the narrative and associated activity are listed on one line. Several lessons and corresponding activities satisfy this standard.
			Student/Teacher	Narrative	9781614592082	Advanced Pruning; Project - Advanced Pruning	Advanced Pruning; PLEASE NOTE: Due to space limitations, the narrative and associated activity are listed on one line. Several lessons and corresponding activities satisfy this standard.
			Student/Teacher	Narrative		Pruning Roses	

Knowledge and Skills Statement	Student Expectation	Breakout	Item Type	Citation Type	Component ISBN	Page (s)	Specific Location
			Teacher Only	Narrative			
			Teacher Only				
			Teacher Only				
			Teacher Only				
(7) The student performs landscape maintenance services. The student is expected to:	(A) identify and demonstrate proper pruning techniques for different plant materials	(ii) demonstrate proper pruning techniques for different plant materials	Student/Teacher	Narrative	9781614592082	Elements of Pruning	
			Student/Teacher	Activity	9781614592082	Activity - Types of Pruning; Project - Pruning in Your Neighborhood	Elements of Pruning
			Student/Teacher	Narrative	9781614592082	Pruning Informal & Formal Hedges; Project - Pruning Plans	Pruning Informal & Formal Hedges; PLEASE NOTE: Due to space limitations, the narrative and associated activity are listed on one line. Several lessons and corresponding activities satisfy this standard.
			Student/Teacher	Narrative	9781614592082	Advanced Pruning; Project - Advanced Pruning	Advanced Pruning; PLEASE NOTE: Due to space limitations, the narrative and associated activity are listed on one line. Several lessons and corresponding activities satisfy this standard.
			Student/Teacher	Narrative	9781614592082	Pruning Roses	
			Teacher Only	Narrative			
			Teacher Only				
			Teacher Only				
			Teacher Only				
(7) The student performs landscape maintenance services. The student is expected to:	(B) recognize methods for renovating existing landscapes	(i) recognize methods for renovating existing landscapes	Student/Teacher	Narrative	9781614592082	Estimating for Landscape Maintenance	
			Student/Teacher	Activity	9781614592082	Student Handout - Renovating Existing Landscapes	Estimating for Landscape Maintenance
			Student/Teacher	Narrative	9781614592082	Landscape Maintenance Management	
			Student/Teacher				
			Student/Teacher				

Knowledge and Skills Statement	Student Expectation	Breakout	Item Type	Citation Type	Component ISBN	Page (s)	Specific Location
			Teacher Only	Narrative			
			Teacher Only				
			Teacher Only				
			Teacher Only				
(7) The student performs landscape maintenance services. The student is expected to:	(C) analyze nutritional needs of plants	(i) analyze nutritional needs of plants	Student/Teacher	Narrative	9781614592082	Plant Nutrition	
			Student/Teacher	Activity	9781614592082	Project - Fertilizer Bags	Plant Nutrition
			Student/Teacher	Narrative	9781614592082	Fertilizers & The Environment	
			Student/Teacher	Narrative	9781614592082	Fertilizers & Soil Amendments	
			Student/Teacher	Activity	9781614592082	Activity - Plant Nutrients; Activity - Plant Nutrients Answer Key	Fertilizers & Soil Amendments
			Teacher Only	Narrative			
			Teacher Only				
			Teacher Only				
			Teacher Only				
(7) The student performs landscape maintenance services. The student is expected to:	(D) develop fertilization plans that address plant needs and environmental concerns	(i) develop fertilization plans that address plant needs	Student/Teacher	Narrative	9781614592082	Plant Nutrition	
			Student/Teacher	Activity	9781614592082	Project - Fertilizer Bags	Plant Nutrition
			Student/Teacher	Narrative	9781614592082	Fertilizers & The Environment	
			Student/Teacher	Narrative	9781614592082	Fertilizers & Soil Amendments	
			Student/Teacher				

Knowledge and Skills Statement	Student Expectation	Breakout	Item Type	Citation Type	Component ISBN	Page (s)	Specific Location
			Teacher Only	Narrative			
			Teacher Only				
			Teacher Only				
			Teacher Only				
(7) The student performs landscape maintenance services. The student is expected to:	(D) develop fertilization plans that address plant needs and environmental concerns	(ii) develop fertilization plans that address environmental concerns	Student/Teacher	Narrative	9781614592082	Fertilizers & The Environment	
			Student/Teacher	Activity	9781614592082	Project - Environmental Concerns	Fertilizers & The Environment
			Student/Teacher	Narrative	9781614592082	Fertilizers & Soil Amendments	
			Student/Teacher				
			Student/Teacher				
			Teacher Only	Narrative			
			Teacher Only				
			Teacher Only				
			Teacher Only				
(7) The student performs landscape maintenance services. The student is expected to:	(E) examine Integrated Pest Management in assessing an insect, pathogen, or weed problem	(i) examine Integrated Pest Management in assessing an insect, pathogen, or weed problem	Student/Teacher	Narrative	9781614592082	Pesticide Safety: Minimal Risk to the Applicator	
			Student/Teacher	Activity	9781614592082	Activity - Insecticides, Herbicides and Fungicides; Activity - Insecticides, Herbicides and Fungicides Answer Key	Pesticide Safety: Minimal Risk to the Applicator
			Student/Teacher				
			Student/Teacher				
			Student/Teacher				

Knowledge and Skills Statement	Student Expectation	Breakout	Item Type	Citation Type	Component ISBN	Page (s)	Specific Location
			Teacher Only	Narrative			
			Teacher Only				
			Teacher Only				
			Teacher Only				
(7) The student performs landscape maintenance services. The student is expected to:	(F) use pesticide application techniques and equipment properly	(i) use pesticide application techniques properly	Student/Teacher	Narrative	9781614592082	Pesticide Safety: Minimal Risk to the Applicator	
			Student/Teacher	Narrative	9781614592082	Pesticide Safety in the Landscape	
			Student/Teacher	Activity	9781614592082	Project - Pesticide Safety	Pesticide Safety in the Landscape
			Student/Teacher				
			Student/Teacher				
			Teacher Only	Narrative			
			Teacher Only				
			Teacher Only				
			Teacher Only				
(7) The student performs landscape maintenance services. The student is expected to:	(F) use pesticide application techniques and equipment properly	(ii) use pesticide application equipment properly	Student/Teacher	Narrative	9781614592082	Pesticide Safety: Minimal Risk to the Applicator	
			Student/Teacher	Narrative	9781614592082	Pesticide Safety in the Landscape	
			Student/Teacher	Activity	9781614592082	Project - Pesticide Safety	Pesticide Safety in the Landscape
			Student/Teacher				
			Student/Teacher				
			Teacher Only	Narrative			
			Teacher Only				
			Teacher Only				
			Teacher Only				

Knowledge and Skills Statement	Student Expectation	Breakout	Item Type	Citation Type	Component ISBN	Page (s)	Specific Location
(7) The student performs landscape maintenance services. The student is expected to:	(G) explain pesticide labeling and safety data sheets	(i) explain pesticide labeling	Student/Teacher	Narrative	9781614592082	Pesticide Safety: Minimal Risk to the Applicator	
			Student/Teacher	Activity	9781614592082	Activity - Pesticide Label	Pesticide Safety: Minimal Risk to the Applicator
			Student/Teacher				
			Student/Teacher				
			Teacher Only	Narrative			
			Teacher Only				
			Teacher Only				
			Teacher Only				
(7) The student performs landscape maintenance services. The student is expected to:	(G) explain pesticide labeling and safety data sheets	(ii) explain safety data sheets	Student/Teacher	Narrative	9781614592082	Pesticide Safety: Minimal Risk to the Applicator	
			Student/Teacher	Activity	9781614592082	Project - Pesticide Safety	Pesticide Safety: Minimal Risk to the Applicator
			Student/Teacher	Narrative	9781614592082	Pesticide Safety in the Landscape	
			Student/Teacher				
			Teacher Only	Narrative			
			Teacher Only				
			Teacher Only				
			Teacher Only				
(7) The student performs landscape maintenance services. The student is expected to:	(H) demonstrate lawn management techniques	(i) demonstrate lawn management techniques	Student/Teacher	Narrative	9781614592082	Professional Turf Management	
			Student/Teacher	Activity	9781614592082	Project - Professional Turf Management	Professional Turf Management
			Student/Teacher				
			Student/Teacher				

Knowledge and Skills Statement	Student Expectation	Breakout	Item Type	Citation Type	Component ISBN	Page (s)	Specific Location
			Student/Teacher				
			Teacher Only	Narrative			
			Teacher Only				
			Teacher Only				
			Teacher Only				
			Teacher Only				