NM Public Education Department

LANDSCAPE

END-OF-COURSE EXAM | GRADE 9-12 | YEAR 17–18

ASSESSMENT BLUEPRINT

Purpose Statement
Landscape

The Landscape End-of-Course Exam is designed to measure student proficiency of the standards and performance elements aligned to the Common Career Technical Core Standards (https://cte.careertech.org/sites/default/files/CCTC_Standards_Formatted_2014.pdf).
This course-level exam is provided to all students who have completed Landscape.

This exam can be given for the following STARS course code:

0144 - Landscape

Intended as a final exam for the course, this is a summative exam covering a wide range of content, skills, and applications. Scores are reported to the teacher, school, district, and state levels for the purposes of student grades, curriculum review, and NMTeach summative reports.

New Mexico State University College of Agriculture, Consumer and Environmental Sciences
This blueprint was developed and piloted in 2016 by the New Mexico State University's (NMSU) Secondary Agriculture Education Office (http://aces.nmsu.edu/) in partnership with New Mexico agriculture educators. NMSU uses test items with consent from MYCaert, Inc. (http://www.mycaert.com). MyCaert has given copyright permissions to the New Mexico Public Education Department (NMPED).

Blueprint Table—Landscape

Reporting Category	Standard	Performance Element
Power, Structural & Technical Systems	**AG-PST.1**	**Performance Element:** Apply physical science principles and engineering applications to solve problems and improve performance in AFNR power, structural and technical systems.
	AG-PST.2	**Performance Element:** Operate and maintain AFNR mechanical equipment and power systems.
	AG-PST.3	**Performance Element:** Service and repair AFNR mechanical equipment and power systems. **Sample Question:** What type of knife has a curved blade with a long, wooden handle, and is used for removal of undesired stems and small branches? A. pruning knife * B. grafting knife C. pecan budding knife D. patch budding knife DOK 1
Plant Systems	**AG-PL.2**	**Performance Element:** Apply the principles of classification, plant anatomy and plant physiology to plant production and management. **Sample Question:** Classify the following grasses into their proper climatic correct zone: Bermuda grass, Zoysia, and St. Augustine. A. cool humid B. warm humid *

REPORTING CATEGORY	STANDARD	PERFORMANCE ELEMENT
		C. cool arid/ semi-arid D. warm arid/ semi-arid DOK 2
	AG-PL.3	**Performance Element:** Propagate, culture and harvest plants and plant products based on current industry standards. **Sample Question:** What is the accumulation of grass stems in turf called? A. tines B. thatch * C. fertilizer composition D. pre-emergent herbicides DOK 1
	AG-PL.4	**Performance Element:** Apply principles of design in plant systems to enhance an environment (e.g., floral, forest, landscape and farm). **Sample Question:** When developing the initial site analysis, why is it important to be familiar with the soil type and slope? A. to select appropriate plants and ensure property drainage * B. to know the amount of soil shrink/swell and how it will affect the foundation C. to calculate and install the proper automatic water system D. to avoid flooding the basement DOK 2
Agribusiness Systems	**AG-BIZ.1**	**Performance Element:** Apply management planning principles in AFNR businesses. **Sample Question:** As an employer, you strive to find employees that exhibit cooperative skills, which of the following

REPORTING CATEGORY	STANDARD	PERFORMANCE ELEMENT
		would best describe those skills? A. being tolerant of others; reading and comprehending written materials B. always dress appropriately, acting like a supervisor C. having a good attitude, taking credit for the work and ideas of others D. doing your share of the work, learning to comprise when needed * DOK 1
	AG-BIZ.4	**Performance Element:** Develop a business plan for an AFNR business.

Landscape EoC Reporting Category Alignment Framework					
Reporting Category	**Standard**	**DOK (Count by DOK)** 1	2	3	**Grand Total**
Power, Structural & Technical Systems	AG-PST.1		1	1	2
	AG-PST.2		3		3
	AG-PST.3	2	8		10
Plant Systems	AG-PL.2	2	3		5
	AG-PL.3	3	2	1	6
	AG-PL.4	3	13		16
Agribusiness Systems	AG-BIZ.1	2	7		9
	AG-BIZ.4		1	3	4
Total		12	38	5	55