



Agriscience PALS (AGS100) Semester 2 Final Assessment Blueprint

Year Created: 2024-2025

Subject: Career & Technical Education

Method of Delivery: Online

Administration Window: May Common Finals

Item Types Included

Type	Number of Items	Description
MC	35	Multiple Choice - Select one answer

Resources

[Agriscience 1 Course Sequence](#)

Standards At-A Glance

Standard	Number of Items	Standard Description
CTE [2108].AGRI.9-12.A.1.0	2	Examine the Nature, Scope, and Role of Agriculture in the Society and the Economy
CTE [2108].AGRI.9-12.A.1.1	1	Investigate the impact of the agricultural industry on population, food, energy, and environment
CTE [2108].AGRI.9-12.A.1.2	1	Investigate the economic importance of products obtained from agriculture (i.e., animals, plants, technology, mechanics, etc.)
CTE [2108].AGRI.9-12.A.11.1	4	Identify pests and signs of pest damage (i.e., parasites, rodents, weeds, insects, etc.)
CTE [2108].AGRI.9-12.A.11.2	1	Identify pest control methods used to manage pest damage (i.e., cultural, mechanical, biological, chemical, etc.)
CTE [2108].AGRI.9-12.A.11.3	8	Evaluate economic impact of pests on production
CTE [2108].AGRI.9-12.A.12.1	1	Investigate government agencies that impact agriculture and food production
CTE [2108].AGRI.9-12.A.2.4	3	Explain the effects of pesticides and fertilizers on water and the environment
CTE [2108].AGRI.9-12.A.3.4	1	Evaluate appropriate resources for research
CTE [2108].AGRI.9-12.A.4.0	2	Examine the Relationship of the Environment to Agriculture Production and Sustainability
CTE [2108].AGRI.9-12.A.4.1	7	Identify agricultural products that can be converted to alternative energy sources
CTE [2108].AGRI.9-12.A.4.7	1	Analyze environmental factors associated with animal and plant production including sanitation and economics
CTE [2108].AGRI.9-12.A.5.1	1	Describe formation, properties, texture, structure, and composition of soil
CTE [2108].AGRI.9-12.A.7.1	2	Describe plant anatomy and the functions of plant structures (e.g., root, stem, leaf, flower)
CTE [2108].AGRI.9-12.A.7.3	1	Describe basic factors in plant growth (e.g., light, water, climate, temperature, nutrients)
CTE [2108].AGRI.9-12.A.7.5	1	Describe plant life cycle stages (i.e., germination, root growth, pollination, fruit development, etc.)
CTE [2108].AGRI.9-12.A.7.6	1	Demonstrate plant germination, growth, and development
CTE [2108].AGRI.9-12.A.8.0	1	Demonstrate Concepts of Plant Management
CTE [2108].AGRI.9-12.A.8.1	1	Analyze the nutritional needs of plants
CTE [2108].AGRI.9-12.A.8.10	1	Create a sustainable management plan for plant production
CTE [2108].AGRI.9-12.A.8.2	1	Research common nutrient deficiency symptoms and treatment options (i.e., fertilizers, soil amendments, crop rotation, etc.)
CTE [2108].AGRI.9-12.A.8.4	1	Analyze soil conditions to make nutritional decisions (i.e., pH meter, soil test kits, soil probes, etc.)
CTE [2108].AGRI.9-12.A.8.7	1	Investigate methods for asexual reproduction of plants (i.e., propagation, grafting, layering, tissue culture, plant hormones, etc.)

*Some items may be tagged to more than one standard.