Assessments: All Assessments

Standard Set: Academic

Filters:

- All Standards
- Accumulating results

Number tested: 29298

Academic

1) AA SPEAKING AND LISTENING — 86.72%

    1) AA 1 Utilize effective verbal and non-verbal communication skills — 90.45%

    2) AA 2 Participate in conversation, discussion, and group presentations — 81.45%

    3) AA 3 Communicate and follow directions/procedures — 90.64%

    4) AA 4 Communicate effectively with customers and co-workers — 80.42%

2) AB READING AND WRITING — 73.31%

    2) AB 2 Read and interpret workplace documents — 84.05%

    6) AB 6 Demonstrate the ability to write clearly and concisely using industry specific terminology — 62.58%

3) AC CRITICAL THINKING AND PROBLEM SOLVING — 52.48%

    2) AC2 Utilize innovation and problem-solving skills to arrive at the best solution for current situation — 52.48%

4) AD MATHEMATICS — 69.64%

    1) AD 1 Perform basic and higher level math operations (e.g., addition, subtraction, multiplication, division, decimals, fractions, units of conversion, averaging, percentage, proportion, ratios) — 68.78%

    2) AD 2 Solve problems using measurement skills (e.g., distance, weight, area, volume) — 76.1%

    4) AD 4 Use tables, graphs, diagrams, and charts to obtain or convey information — 67.96%

    5) AD 5 Use deductive reasoning and problem-solving in mathematics — 67.83%

6) AF INTERNET USE AND SECURITY — 66.46%

    3) AF 3 Practice safe, legal, and responsible use of technology in the workplace — 66.46%

7) AG INFORMATION TECHNOLOGY — 93.21%

    1) AG 1 Use technology appropriately to enhance professional presentations — 93.21%

8) AH TELECOMMUNICATIONS — 90.39%

    1) AH 1 Select and use appropriate devices, services, and applications to complete workplace tasks — 90.39%

Assessments: All Assessments

Standard Set: Employability

Filters:

• All Standards

• Accumulating results

Number tested: 29298

Employability

1) EA POSITIVE WORK ETHIC	73.77%
2) EA 2 Demonstrate consistent and punctual attendance	73.94%
3) EA 3 Demonstrate initiative in assuming tasks	69%
4) EA 4 Exhibit dependability in the workplace	78.17%
2) EB INTEGRITY	64.13%
4) EB 4 Maintain confidentiality and integrity of sensitive company information	64.13%
3) EC SELF-REPRESENTATION	64.33%
2) EC 2 Use language and manners suitable for the workplace	64.33%
4) ED TIME, TASK, AND RESOURCE MANAGEMENT	68.26%
1) ED 1 Plan and follow a work schedule	76.61%
4) ED 4 Demonstrate ability to stay on task to produce high quality deliverables on time	59.92%
5) EE DIVERSITY AWARENESS	88.01%
1) EE 1 Recognize diversity, discrimination, harassment, and equity	83.34%
2) EE 2 Work well with all customers and co-workers	92.69%
6) EF TEAMWORK	82.4%
2) EF 2 Contribute to the success of the team	82.4%
8) EH CONFLICT RESOLUTION	57.26%
2) EH 2 Implement conflict resolution strategies and problem-solving skills	57.26%
9) EI CUSTOMER/CLIENT SERVICE	73.89%
1) EI 1 Recognize the importance of and demonstrate how to properly acknowledge customers/clients	68.99%
2) EI 2 Identify and address needs of customers/clients	78.79%
10) EJ ORGANIZATIONS, SYSTEMS, AND CLIMATES	82.54%
1) EJ 1 Define profit and evaluate the cost of conducting business	82.54%
11) EK JOB ACQUISITION AND ADVANCEMENT	62.92%

4) EK 4 Prepare a resume, letter of application, and job application   48.37%

5) EK 5 Prepare for a job interview (e.g., research company, highlight personal strengths, prepare questions, set-up a mock interview, dress appropriately)   53.5%

6) EK 6 Participate in a job interview   74.91%

12) EL LIFELONG LEARNING   85.63%

7) EL 7 Accept and provide constructive criticism   85.63%

14) EN HEALTH AND SAFETY   82.26%

1) EN 1 Assume responsibility for safety of self and others   86.32%

2) EN 2 Follow safety guidelines in the workplace   74.15%

Assessment: Accounting

Standard Set: KOSSA Program Areas

Filters:

• All Standards

• Accumulating results

Number tested: 575

KOSSA Program Areas

– Accounting | 57.64%

    1) OA FINANCIAL DECISION MAKING | 53.89%

        3) OA 3 Calculate net sales, cost of goods sold, gross profit, operating expenses, and net profit before taxes for the income statement | 52.7%

        5) OA 5 Calculate the break-even point | 48.17%

        6) OA 6 Explain the governments role in the economy | 72%

        8) OA 8 Analyze credit transactions and laws governing these functions | 58.09%

        9) OA 9 Calculate the time value of money (i.e., present and future) | 36.87%

        10) OA 10 Identify the characteristics of money | 45.39%

        12) OA 12 Reconcile the bank statement with the check register | 64%

    2) OB ACCOUNTING PRINCIPLES | 56.63%

        1) OB 1 Identify and describe the purpose of generally accepted accounting principles (GAAP) | 52.17%

        2) OB 2 Describe and explain accounting concepts/models (e.g., debit, credit, double-entry accounting) | 66.35%

        3) OB 3 Utilize the accounting equation in several mathematical forms | 39.54%

        4) OB 4 Distinguish between and explain the different accounting methods (e.g., inventory methods, depreciation, cash or accrual) | 57.91%

        5) OB 5 Analyze and record business transactions | 50.78%

        6) OB 6 Explain and apply the accounting process including the accounting cycle, journalizing, accounting records, posting, and adjustments | 72.35%
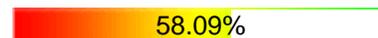
    3) OC ACCOUNTING PROFESSION | 68.7%

        1) OC 1 Describe how current events impact the accounting profession | 75.3%

        3) OC 3 Explain the need for the code of ethics in accounting and the ethical responsibilities required of accountants | 57.04%

        5) OC 5 Identify and describe the educational requirements for various careers, professional designations, and certifications in the accounting profession | 73.74%

    4) OD BUSINESS KNOWLEDGE | 71.74%

1) OD 1 Identify student and professional business organizations	74.52%
3) OD 3 Describe how business relates to accounting	86.09%
4) OD 4 Compare and contrast the different types of ownership and business structures	51.83%
5) OE FINANCIAL AND MANAGERIAL REPORTING	48.89%
2) OE 2 Identify sources for obtaining financial reports	22.61%
5) OE 5 Identify the sections of an annual report and their purposes	60.17%
6) OE 6 Describe the relationship among assets, liabilities, and owners equity	56.17%
7) OE 7 Explain the classifications within assets, liabilities, and owners equity (e.g., current versus long term, fixed assets, tangible/ intangibles)	91.83%
8) OE 8 Identify the sections (e.g., revenue, cost of goods sold, expense) in an income statement and explain their relationships	35.74%
9) OE 9 Discuss information that can be obtained from analyzing financial statements	59.3%
10) OE 10 Understand the correlation among financial statements including balance sheet, profit/loss, net worth, statement of cash flow	41.22%
12) OE 12 Calculate the cost per unit	27.48%
15) OE 15 Recognize the primary areas of analysis (e.g., trend analysis, profitability, liquidity) and explain the information obtained from each analysis	66.09%
16) OE 16 Perform a horizontal and vertical analysis of the income statement and balance sheet	41.39%
6) OF PAYROLL AND TAXES	62.43%
1) OF 1 Explain and analyze local, state, and federal tax structures	81.74%
2) OF 2 Calculate gross and net pay	65.11%
3) OF 3 Explain the steps to journalize and calculate payroll	33.91%
5) OF 5 Complete federal tax forms (e.g., W2, W4, 1040EZ)	58.26%
7) OG TECHNOLOGY AND INFORMATION MANAGEMENT	62.61%
1) OG 1 Demonstrate the ability to use automated accounting systems	51.48%
4) OG 4 Apply information technology to conduct financial analysis	73.74%

Assessment: Administrative Support

Standard Set: KOSSA Program Areas

Filters:

- All Standards
- Accumulating results

Number tested: 2244

KOSSA Program Areas

– Administrative Support | 63.73%

1) OA ACCOUNTING PROCEDURES | 48.76%

    4) OA 4 Process invoices for payment | 41.24%

    5) OA 5 Prepare bank deposits | 46.97%

    6) OA 6 Prepare purchase requisitions | 56.86%

    7) OA 7 Complete travel vouchers | 56.73%

    8) OA 8 Document and process receipt of payment | 51.34%

2) OB BUSINESS COMMUNICATION | 71.41%

    1) OB 1 Prepare correspondence (e.g., memo, business letter, electronic mail) | 70.14%

    2) OB 2 Proofread for all content, format, and keying errors | 85.83%

    4) OB 4 Prepare agenda and compile materials for meetings | 77.01%

    5) OB 5 Communicate with liaisons outside the company (e.g., business partners, business professional organizations) | 55.21%

3) OC ADMINISTRATIVE SUPPORT FUNCTIONS | 63.28%

    1) OC 1 Gather and compile data for supervisor | 58.89%

    2) OC 2 Demonstrate the ability to maintain supervisors appointment calendar | 92.56%

    3) OC 3 Order and maintain inventory of supplies | 87.43%

    5) OC 5 Prepare materials for copying | 90.42%

    6) OC 6 Obtain document notarization | 21.48%

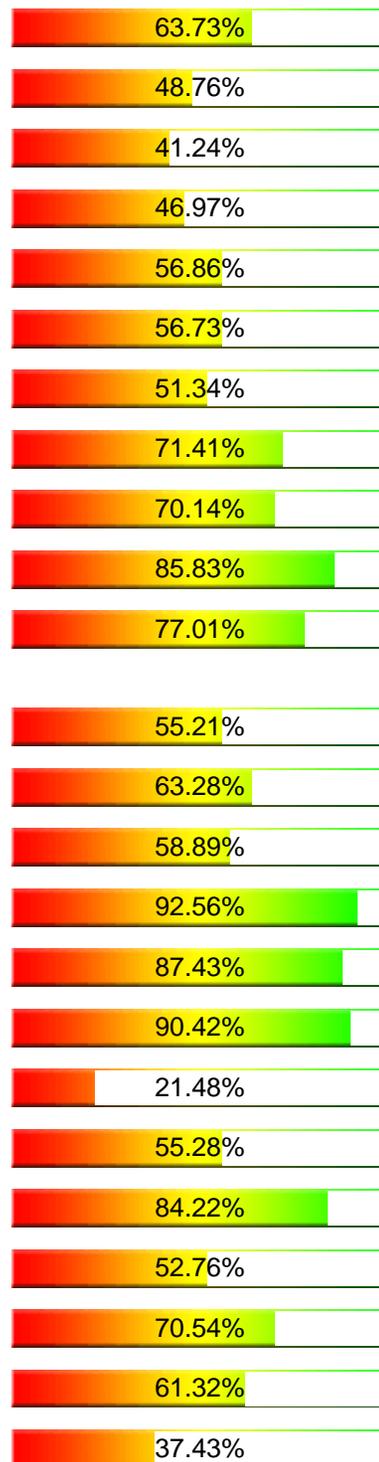   8) OC 8 Maintain multiple types of filing systems | 55.28%

    11) OC 11 Maintain employee emergency contact information | 84.22%

    12) OC 12 Identify policy and procedure for purging records and/or files | 52.76%

    13) OC 13 Receive visitors and clients | 70.54%

    14) OC 14 Retrieve and process voice mail messages | 61.32%

    15) OC 15 Process fax documents | 37.43%

4) OD MAIL PROCEDURES — 75.43%

    1) OD 1 Process mail and packages — 71.72%

    2) OD 2 Utilize mail services (e.g., courier, standard, express mail) — 82.84%

5) OE OFFICE SYSTEMS TECHNOLOGY AND EQUIPMENT — 65.33%

    1) OE 1 Photocopy a document using multiple features (e.g., collating, stapling, simplexing, duplexing) of a copier — 42.56%

    3) OE 3 Prepare and print documents in appropriate software — 55.12%

    4) OE 4 Insert a graphic — 63.73%

    5) OE 5 Design a table — 41.71%

    6) OE 6 Complete preprinted and electronic forms — 81.95%

    7) OE 7 Scan data or graphics for document use — 63.73%

    8) OE 8 Revise existing documents — 76.92%

    9) OE 9 Access the Help function — 80.61%

    11) OE 11 Develop, revise, and create queries and reports using database software — 58.02%

    12) OE 12 Prepare mail merge — 56.28%

    13) OE 13 Create and organize electronic files using folders and subfolders — 88.95%

    14) OE 14 Create high-quality visual aids — 79.19%

    15) OE 15 Locate and use templates — 52.45%

    17) OE 17 Design and create desktop-publishing documents — 85.83%

    18) OE 18 Create charts and graphs — 86.68%

    19) OE 19 Maintain operating system integrity (e.g., virus scan, defragmentation, updates) — 59.31%

Assessment: Ag Power, Structural, Tech Systems
Standard Set: KOSSA Program Areas
Filters:
- All Standards
- Accumulating results

Number tested: 1427

KOSSA Program Areas

– Ag Power, Sturctural, and Tech Systems `57.58%`

    1) OA APPLY PHYSICAL SCIENCE PRINCIPLES AND ENGINEERING APPLICATIONS TO SOLVE PROBLEMS AND IMPROVE PERFORMANCE IN AFNR POWER, STRUCTURAL, AND TECHNICAL SYSTEMS `65.38%`

        1) OA1 Discuss types of renewable and non-renewable energy (e.g., solar, wind, hydro, fossil fuels) `35.67%`

        3) OA3 Compare the energy efficiency of various fuel sources (e.g., gas, diesel, natural gas, biofuels) `77.51%`

        4) OA4 Differentiate between the operation of gasoline and diesel engines `59.85%`

        5) OA5 Identify principles of hydraulic and pneumatic system operation `74.7%`

        6) OA6 Apply the meaning of electrical measurements (e.g., amperage, voltage, wattage, resistance) `44.5%`

        7) OA7 Differentiate between alternating and direct current `82.13%`

        8) OA8 Calculate measurements of electricity (e.g., watts, amps, volts, Ohms Law) `74.35%`

    2) OB OPERATE AND MAINTAIN AFNR MECHANICAL EQUIPMENT AND TECHNICAL SYSTEMS `61.51%`

        4) OB4 Outline power unit and equipment controls, startup and shut down procedures, and pre operation inspections using owners/service manuals `66.33%`

        5) OB5 Identify components and systems of internal combustion engines `57.79%`

        6) OB6 Select lubricants based on viscosity, source, and equipment compatibility `53.05%`

        8) OB8 Establish a preventative maintenance schedule for power units and equipment (e.g., lubricants, fluids, filters) `66.5%`

    3) OC SERVICE AND REPAIR AFNR MECHANICAL EQUIPMENT AND POWER SYSTEMS `57.95%`

        3) OC3 Interpret basic electrical components, symbols, and diagrams (e.g., wiring, switches, receptacles, duplexes) `64.3%`

        5) OC5 Evaluate the importance of adjusting equipment including belts, drives, chains, and sprockets and maintenance of fluid conveyance components (e.g.,

hoses, lines, nozzles)   59.6%

8) OC8 Assess an internal combustion engines to determine service and repair of basic ignition, fuel, and compression   49.96%

4) OD PLAN, BUILD, AND MAINTAIN AFNR STRUCTURE   55.86%

    1) OD1 Demonstrate proper use of measurement and layout tools   54.98%

    3) OD3 Develop plans using scale and legends   56.48%

    6) OD6 Develop criteria for selecting materials based on cost, quantities, and characteristics for a specific project plan   53.47%

    7) OD7 Prepare bills of materials to accompany plans and sketches   35.14%

    8) OD8 Apply basic principles of design, fabrication, and installation of agricultural structures   40.82%

    9) OD9 Select, maintain, and use hand/power tools in service, construction, and fabrication   47.84%

    10) OD10 Describe the steps in basic repair of a metal object (e.g., welding, brazing, riveting)   45.76%

    11) OD11 Identify kinds and characteristics of metal materials   81.22%

    12) OD12 Distinguish welding processes, positions, materials preparation, and equipment work piece setup (e.g., beveling/grinding)   64.33%

    13) OD13 Construct and/or repair metal structures and equipment using welding procedures, including those associated with SMAW, GMAW, GTAW, fuel-oxygen, and plasma arc torch methods   57.74%

    16) OD16 Determine proper paint/coating material and method for various tasks.   58.83%

    17) OD17 Determine proper insulation material and use for a given task.   64.47%

    18) OD18 Calculate materials for concrete, brick, stone, or masonry units in agricultural construction   21.16%

    21) OD21 Identify hazards and safety practices in planning, installing, and using components to complete and electrical circuit   88.72%

    22) OD22 Identify materials and tools used in electrical installation (e.g., wiring, fixtures, breakers, fuses, conduit)   83.22%

5) OE USE CONTROL, MONITORING, GEOSPATIAL AND OTHER TECHNOLOGIES IN AFNR POWER, STRUCTURAL AND TECHNICAL SYSTEMS   7.85%

    3) OE3 Evaluate concepts and principles of geospatial technologies   7.85%

Assessment: Agribiotechnology
Standard Set: KOSSA Program Areas
Filters:
 • All Standards
 • Accumulating results

Number tested: 61

KOSSA Program Areas

– Agribiotechnology — 44.26%

  1) OA DEVELOPMENT OF BIOTECHNOLOGY IN AGRICULTURE — 43.72%

    1) OA 1 Define biotechnology and explore the historical impact it has had on agriculture — 33.61%

    4) OA 4 Investigate current applications of biotechnology in agriculture — 63.93%

  2) OB REGULATION — 40.98%

    1) OB 1 Describe the role of agencies that regulate biotechnology — 45.08%

    2) OB 2 Interpret the major regulatory issues related to biotechnology — 32.79%

  3) OC ETHICS OF BIOTECHNOLOGY — 43.09%

    1) OC 1 Explore ethical, legal, and social biotechnology issues — 59.84%

    2) OC 2 Evaluate the benefits and risks associated with biotechnology. — 29.51%

    7) OC 7 Explain the meaning of intellectual properties as related to biotechnology — 24.59%

    10) OC 10 Describe how agribiotechnology impacts the global economy — 44.26%

    11) OC 11 Compare conventional fossil fuel production to biotechnological alternative fuel production (e.g., ethonol, biodiesel) — 59.02%

  4) OD LABORATORY RECORDS — 49.73%

    1) OD 1 Maintain a biotechnology laboratory notebook — 63.93%

    2) OD 2 Analyze strengths of the research based on data, procedures, and propose future investigation — 42.62%
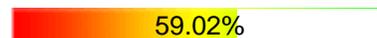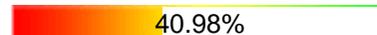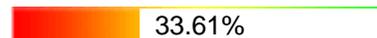
  5) OE LABORATORY EQUIPMENT — 51.64%

    1) OE 1 Operate basic laboratory equipment and measurement devices (e.g., microscope, microipet, autoclave, centrifuge) — 57.38%

    2) OE 2 Operate advanced laboratory equipment and measurement devices (e.g., thermalcycler, electrophoresis equipment, microarray, spectrometer) — 34.43%

  6) OF LABORATORY PROCEDURES — 41.53%

    1) OF 1 Demonstrate basic aseptic techniques in the biotechnology laboratory — 55.74%
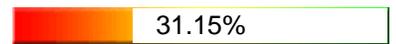
2) OF 2 Demonstrate advanced aseptic techniques in the biotechnology laboratory — 13.11%

7) OG MATERIAL MANAGEMENT — 52.79%

1) OG 1 Prepare simple chemical solutions using standard operating procedures — 34.43%

4) OG 4 Identify and describe hazards associated with biological and chemical materials — 49.18%

7) OG 7 Maintain a safe environment by properly identifying and disposing of laboratory waste — 72.95%

8) OH MICROBIOLOGY/MOLECULAR/ENZYMOLOGY/IMMUNOLOGY — 41.6%

3) OH 3 Characterize the physical, chemical, and biological properties of microbes — 47.54%

4) OH 4 Explain the structures of DNA and RNA and how genotype influences phenotype — 30.05%

5) OH 5 Explain the molecular basis for heredity and the tools and techniques used in DNA and RNA manipulations — 52.46%

7) OH 7 Extract and purify DNA and RNA — 26.23%

9) OH 9 Perform DNA and RNA recombinations such as basic cloning/subcloning, blotting, sequencing, and amplification — 52.46%

13) OH 13 Describe how antibodies are formed and how they can be used in biotechnology applications — 63.93%

9) OI GENETIC ENGINEERING — 36.07%

2) OI 2 Diagram the processes and describe the techniques used to produce transgenic eukaryote — 49.18%

4) OI 4 Describe enzymes, the changes they cause in foods and the physical/chemical parameters that affect enzymatic reactions — 22.95%

10) OJ BIOTECHNOLOGY PROCESSES IN AGRICULTURE — 44.47%

1) OJ 1 Explain the functions of hormones in animals — 3.28%

4) OJ 4 Identify foods produced through fermentation — 85.25%

7) OJ 7 Explain the process of fermentation — 48.36%

8) OJ 8 Describe the process used in producing alcohol from biomass — 54.1%

10) OJ 10 Explain the process of transesterification — 37.7%

13) OJ 13 Explain the process of methanogenesis — 40.98%

11) OK BIOTECHNOLOGY TO MONITOR PROCEDURES IN AGRICULTURE — 38.11%

7) OK 7 Give examples of instances in which bioremediation can be applied to clean up environmental contaminant — 26.23%

8) OK 8 Describe the use of biotechnology in bioremediation   42.62%

16) OK 16 Explain the global importance of biodiversity   31.15%

22) OK 22 Explain biomass and sources of biomass   52.46%

Assessment: Agribusiness

Standard Set: KOSSA Program Areas

Filters:

• All Standards

• Accumulating results

Number tested: 415

KOSSA Program Areas

– AGRIBUSINESS SYSTEMS — 54.51%

    1) OA APPLY MANAGEMENT PLANNING PRINCIPLES IN AFNR BUSINESS ENTERPRISES — 64.12%

        2) OA 2 Formulate individual/business goals and objectives — 52.05%

        4) OA 4 Evaluate state/federal governmental and industry regulations (e.g., EPA, OSHA, USDA) in planning/operating an AFNR business — 75.42%

        5) OA 5 Analyze state and federal programs that assist agriculturalists in reducing risk — 48.19%

        6) OA 6 Describe how special interest groups influence U.S. agricultural policy (e.g., animal rights, labor, environment) — 64.82%

        8) OA 8 Analyze how communication technology (e.g., social media, print news, television) impacts public perception of the agriculture industry — 91.33%

        9) OA 9 Discuss how immigration policy impacts the agriculture industry — 72.53%

    2) OB USE RECORD KEEPING AND ACCOUNTING PROCESSES TO ACCOMPLISH AFNR BUSINESS OBJECTIVES, MANAGE BUDGETS, AND COMPLY WITH LAWS AND REGULATIONS — 44.82%

        1) OB 1 Maintain accurate production/agribusiness records — 33.77%

        2) OB 2 Analyze records to improve efficiency and profitability of an AFNR business — 36.14%

        3) OB 3 Compare sources and terms of credit — 44.58%
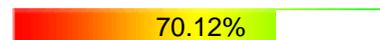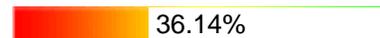
        4) OB 4 Evaluate financing options for an agribusiness — 52.65%

        5) OB 5 Budget resources, as applied to the AFNR business, including capital, human, financial and time — 62.65%

        6) OB 6 Analyze tax reporting requirements for income, property, and employment associated with small AFNR businesses — 76.75%

    3) OC DEVELOP A BUSINESS PLAN FOR AN AFNR ENTERPRISE OR BUSINESS UNIT — 56.52%

        1) OC 1 Differentiate types of ownership/business structures in a capitalistic economic system (e.g., corporations, cooperatives, partnerships, sole proprietorships) — 70.12%

3) OC 3 Determine how personal strengths in marketing can alleviate some risk — 61.93%

4) OC 4 Describe ways to assess and manage risks (e.g., financial, environmental, workplace) to reduce liability — 27.47%

5) OC 5 Describe how enterprise diversification can address production risks — 44.46%

6) OC 6 Analyze marketing techniques (i.e., contracts, futures, options) that reduce risk — 14.22%

7) OC 7 Explain how insurance strategies minimize risk (e.g., property liability, production/income loss, personnel life and health) — 83.98%

9) OC 9 Analyze the effect of foreign policy on agricultural economics — 46.87%

4) OD UTILIZE SALES AND MARKETING PRINCIPLES COMMON TO AGRIBUSINESS SYSTEMS TO ACCOMPLISH AFNR BUSINESS OBJECTIVES — 57.03%

1) OD 1 Interpret the laws of supply and demand — 80.72%

2) OD 2 Compare and contrast macroeconomic and microeconomic concepts — 48.92%

3) OD 3 Discuss factors that influence buyer motivation — 64.58%

4) OD 4 Explain effective techniques that develop effective customer relationships — 69.16%

5) OD 5 Explain components of the sales process — 67.71%

7) OD 7 Analyze appropriate market and marketing research — 58.55%

8) OD 8 Compare the effectiveness of various marketing strategies for an AFNR business — 50.6%

9) OD 9 Develop a marketing plan for an agricultural product, service, or agribusiness — 32.53%

11) OD 11 Explain concepts associated with international markets — 24.34%

12) OD 12 Assess the presence of marketing infrastructure for agricultural commodities — 57.59%

Assessment: Allied Health

Standard Set: KOSSA Program Areas

Filters:
- All Standards
- Accumulating results

Number tested: 3383

KOSSA Program Areas

– Allied Health | 63.02%

    1) OA COMMUNICATION SKILLS | 76.15%

        2) OA 2 Apply active listening skills using reflection, restatement, and clarification techniques | 71.8%

        4) OA 4 Interpret technical materials used for health care practices and procedures | 77.01%

    4) OD CAREER DECISION MAKING | 74.46%

        1) OD 1 Explore a potential health science career path in at least one of the following health care services: diagnostic, therapeutic, informational, or environmental | 74.46%

    6) OF LEGAL PRACTICES | 69.45%

        5) OF 5 Follow mandated standards for workplace safety (i.e. OSHA, CDC, CLIA) | 69.45%

    12) OL ENVIRONMENTAL SAFETY | 83.24%

        2) OL 2 Demonstrate methods of fire prevention in the health care setting | 83.24%

    16) OP HUMAN STRUCTURE & FUNCTION | 61.39%

        1) OP 1 Describe the basic structures and functions of cells, tissues, organs, and systems as they relate to homeostasis | 63.97%

        2) OP 2 Compare relationships among cells, tissues, organs, and systems | 73.51%

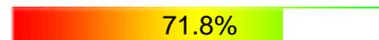   3) OP 3 Explain body planes, directional terms, quadrants, and cavities | 53.64%

        4) OP 4 Analyze the interdependence of the body systems as they relate to wellness, disease, disorders, therapies and care/rehabilitation | 62.53%

    17) OQ DISEASES AND DISORDERS | 52.85%

        1) OQ 1 Compare selected diseases/disorders including respective classification(s), causes, diagnoses, therapies, and care/rehabilitation to include biotechnological applications | 43.67%

        2) OQ 2 Analyze methods to control the spread of pathogenic microorganisms | 85.9%

        3) OQ 3 Contrast various types of immunities | 53.37%

4) OQ 4 Analyze body system changes in light of diseases, disorders, and wellness | 76.32%

5) OQ 5 Compare the aging process among the body systems | 25.85%

18) OR SYSTEMS THEORY | 47.1%

1) OR 1 Describe systems theory and its components | 47.1%

19) OS HEALTH CARE DELIVERY SYSTEMS | 69.42%

2) OS 2 Predict where and how factors such as: cost, managed care, technology, an aging population, access to care, alternative therapies, and lifestyle/behavior changes may affect various health care delivery system models | 76.75%

4) OS 4 Calculate the cost effectiveness of two separate health care delivery systems | 65.75%

20) OT HEALTH CARE DELIVERY SYSTEM RESULTS | 77.33%

1) OT 1 Diagram the interdependence of health care professions within a given health care delivery system, pertaining to the delivery of quality health care | 70.8%

3) OT 3 Evaluate the impact of enhanced technology on the health care delivery system | 83.86%

22) OV HEALTH MAINTENANCE PRACTICES | 57.12%

2) OV 2 Use practices that promote the prevention of disease and injury | 79.49%

4) OV 4 Evaluate the validity of alternative health practices | 34.76%

23) OW TECHNICAL SKILLS | 62.78%

2) OW 2 Apply safety procedures to protect clients, co-workers and self | 62.78%

Assessment: Animal Science

Standard Set: KOSSA Program Areas

Filters:

- All Standards
- Accumulating results

Number tested: 2473
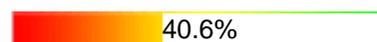
KOSSA Program Areas

– Animal Science

56.81%

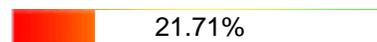1) OA ANALYZE HISTORIC AND CURRENT TRENDS IMPACTING THE ANIMAL SYSTEMS INDUSTRY

52.53%

1) OA1 Discuss the interrelationships between agriculture commodities based on economic, geographic, and production factors

40.6%

2) OA2 Analyze changes in food consumption throughout history

21.71%

3) OA3 Describe the relationship between consumer demands and animal production

66.84%

6) OA6 Discuss the benefits of utilizing best practice production systems in animal science
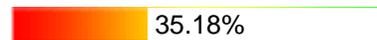
74.28%

7) OA7 Evaluate the impact of world trade issues (e.g., diseases, imports/exports, drought, trade agreements) on animal science

64.25%

9) OA9 Identify related government agencies, their functions and programs, as they relate to animal science
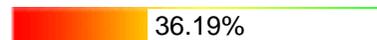
35.18%

11) OA11 Compare and contrast marketing opportunities for animal commodities (e.g., terminal, direct, niche, local)

71.19%

12) OA12 Analyze the benefits of risk management practices (futures, forward contracts, diversification, insurance)

55.84%

13) OA13 Summarize the benefits of electronic technology in animal science (e.g., electronic record keeping, ultrasound, electronic identification, computer feeding)

36.19%

2) OB UTILIZE BEST-PRACTICE PROTOCOLS BASED ON ANIMAL BEHAVIORS FOR ANIMAL HUSBANDRY AND WELFARE

49.59%

1) OB1 Describe characteristics of effective animal care facilities

44.4%

2) OB2 Recommend safe handling techniques and equipment when working with animals

47.96%

3) OB3 Differentiate between animal welfare and animal rights

56.41%

3) OC DESIGN AND PROVIDE PROPER ANIMAL NUTRITION TO ACHIEVE DESIRED OUTCOMES FOR PERFORMANCE DEVELOPMENT, REPRODUCTION, AND/OR ECONOMIC PRODUCTION

65.92%

1) OC1 Describe the anatomy and physiology of digestive systems (monogastric, ruminant, hind gut fermenters, avian) — 66.56%

2) OC2 Discuss the function of the six classes of nutrients in regards to animal nutrition — 74.57%

3) OC3 Compare common types of feedstuffs and the role they play in the diets of animals — 57.4%

4) OC4 Explain the purpose of feed additives and growth promotants in animal production — 46.46%

5) OC5 Formulate animal feeds based on nutritional requirements using feed ingredients for maximum nutrition and optimal economic production — 83.83%

4) OD APPLY PRINCIPLES OF ANIMAL REPRODUCTION TO ACHIEVE DESIRED OUTCOMES FOR PERFORMANCE, DEVELOPMENT, AND ECONOMIC PRODUCTION — 57.95%

1) OD1 Describe the functions of major reproductive organs and hormones in the male and female reproductive systems — 82.13%

2) OD2 Contrast the processes of natural and artificial breeding methods — 65.67%

3) OD3 Infer how age, size, life cycle, maturity level, gestation, and health status affect the reproductive efficiency of male and female animals — 39.83%

4) OD4 Evaluate the use of quantitative breeding values in the selection of genetically superior breeding stock (e.g., EPD's) — 57.33%

5) OD5 Discuss the importance of efficient and economic reproduction in animals — 53.56%

6) OD6 Differentiate principles of animal genetics and heredity (e.g., homozygous, heterozygous, phenotype, genotype, dominance, recessive) — 46.38%

7) OD7 Appraise the advantages of reproductive management practices, including estrous synchronization, superovulation, flushing, and embryo transfer — 66.36%

5) OE EVALUATE ENVIRONMENTAL FACTORS AFFECTING ANIMAL PERFORMANCE AND IMPLEMENT PROCEDURES FOR ENHANCING PERFORMANCE AND ANIMAL HEALTH — 66.06%

1) OE1 Select best practices to enhance soil and water quality — 80.75%

2) OE2 Describe the impact of water quality on animal health — 65.39%

4) OE4 Evaluate measures to maintain the quality of the environment in areas used to raise and house animals — 52.04%

6) OF CLASSIFY, EVALUATE AND SELECT ANIMALS BASED ON ANATOMICAL AND PHYSIOLOGICAL CHARACTERISTICS — 51.31%

1) OF1 Classify animals according to the taxonomical classification system and species-specific terminology related to age and gender — 64.74%

2) OF2 Differentiate major animal breeds within the industry and their production strengths — 55.66%

3) OF3 Identify the major skeletal and external parts of production and companion species — 33.2%

4) OF4 Identify wholesale and retail cuts of production species — 68.62%

5) OF5 Evaluate desirable anatomical and physiological characteristics of animals within and between species — 29.96%

7) OG APPLY PRINCIPLES OF EFFECTIVE ANIMAL HEALTH CARE — 47.41%

1) OG1 Characterize common disorders, parasites, and vaccinated diseases of both production and companion animal species — 43.47%

2) OG2 Discuss the health risks of zoonotic diseases to humans and their historical significance — 24.1%

3) OG3 Select proper medical dosages and delivery methods — 58.47%

4) OG4 Evaluate preventative measures for controlling and limiting the spread of diseases, parasites, and disorders among animals — 57.86%

5) OG5 Explain common surgical and nonsurgical procedures in animal healthcare — 57.06%

8) OH PRACTICE SOUND AGRICULTURAL FINANCE IN ANIMAL SCIENCE — 72.19%

1) OH1 Identify requirements for and sources of credit — 92.36%

2) OH2 Compare the benefits related to buying, leasing, renting land and/or equipment — 58.63%

4) OH4 Calculate break-even prices in an animal science business to maximize profit — 65.59%

Assessment: Automotive Technology

Standard Set: KOSSA Program Areas

Filters:

 • All Standards

 • Accumulating results

Number tested: 671

KOSSA Program Areas

– Automotive Technician | 49.35%

   1) OA ENGINE REPAIR | 46.92%

      1) OA1 Research applicable vehicle and service information, vehicle service history, service precautions, and technical service bulletins. | 36.96%

      7) OA7 Adjust valves (mechanical or hydraulic lifters). | 63.49%

      10) OA10 Remove, inspect, and replace thermostat and gasket/seal. | 20.27%

      11) OA11 Inspect and test coolant; drain and recover coolant; flush and refill cooling system with recommended coolant; bleed air as required. | 76.9%

   2) OB AUTOMATIC TRANSMISSION AND TRANSAXLE | 53.8%

      2) OB2 Check fluid level in a transmission or a transaxle equipped with a dip-stick. | 53.8%

   3) OC MANUAL DRIVE TRAIN AND AXLES | 54.4%

      1) OC1 Research applicable vehicle and service information, fluid type, vehicle service history, service precautions, and technical service bulletins. | 54.4%

      2) OC2 Drain and refill manual transmission/transaxle and final drive unit. | 60.73%

      3) OC3 Check and adjust clutch master cylinder fluid level. | 63.04%

      4) OC4 Check for system leaks. | 68.26%

      5) OC5 Check and adjust differential housing fluid level. | 19.23%

   4) OD SUSPENSION AND STEERING SYSTEMS | 30.77%
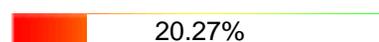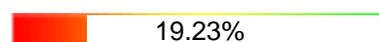
      13) OD13 Inspect suspension system coil springs and spring insulators (silencers). | 20.27%

      15) OD15 Inspect and replace front stabilizer bar (sway bar) bushings, brackets, and links. | 26.97%

      16) OD16 Inspect strut cartridge or assembly. | 9.84%

      18) OD18 Inspect rear suspension system lateral links/arms (track bars), control (trailing) arms. | 26.97%

      21) OD21 Perform prealignment inspection and measure vehicle ride height; determine necessary action. | 40.54%

23) OD23 Rotate tires according to manufacturers recommendations. `60.06%`

5) OE BRAKES `53.63%`

10) OE10 Remove, clean, inspect, and measure brake drum diameter; determine necessary action. `45.6%`

13) OE13 Install wheel and torque lug nuts. `62.44%`

15) OE15 Clean and inspect caliper mounting and slides/pins for proper operation, wear, and damage; determine necessary action. `39.64%`

19) OE19 Remove and reinstall rotor. `66.77%`

22) OE22 Describe importance of operating vehicle to burnish/break-in replacement brake pads according to manufacturers recommendations. `30.85%`

24) OE24 Remove, clean, inspect, repack, and install wheel bearings; replace seals; install hub and adjust bearings. `63.79%`

25) OE25 Check parking brake operation and parking brake indicator light system operation; determine necessary action. `59.99%`

6) OF ELECTRICAL/ELECTRONIC SYSTEMS `51.97%`

5) OF5 Measure key-off battery drain (parasitic draw). `47.24%`

7) OF7 Perform solder repair of electrical wiring. `48.58%`

9) OF9 Perform battery state-of-charge test; determine necessary action. `32.49%`

16) OF16 Perform starter current draw test; determine necessary action. `35.62%`

20) OF20 Inspect, adjust, or replace generator (alternator) drive belts; check pulleys and tensioners for wear; check pulley and belt alignment. `64.38%`

22) OF22 Inspect interior and exterior lamps and sockets including headlights and auxiliary lights (fog lights/driving lights); replace as needed. `55.89%`

23) OF23 Disable and enable airbag system for vehicle service; verify indicator lamp operation. `66.92%`

24) OF24 Remove and reinstall door panel. `64.68%`

7) OG HEATING AND AIR CONDITIONING `43.22%`

3) OG3 Inspect A/C condenser for airflow restrictions; determine necessary action. `13.56%`

4) OG4 Inspect engine cooling and heater systems hoses; perform necessary action. `54.84%`

5) OG5 Inspect A/C-heater ducts, doors, hoses, cabin filters, and outlets; perform necessary action. `61.25%`

8) OH ENGINE PERFORMANCE `53.69%`

1) OH1 Research applicable vehicle and service information, vehicle service history, service precautions, and technical service bulletins. `36.59%`

2) OH2 Perform engine absolute (vacuum/boost) manifold pressure tests; determine necessary action

54.4%

4) OH4 Perform cylinder leakage test; determine necessary action.

59.39%

5) OH5 Verify engine operating temperature.

53.2%

6) OH6 Remove and replace spark plugs; inspect secondary ignition components for wear and damage.

58.12%

7) OH7 Retrieve and record diagnostic trouble codes, OBD monitor status, and freeze frame data; clear codes when applicable.

52.09%

9) OH9 Replace fuel filter(s).

67.81%

10) OH10 Inspect, service, or replace air filters, filter housings, and intake duct work.

58.12%

11) OH11 Inspect integrity of the exhaust manifold, exhaust pipes, muffler(s), catalytic converter(s), resonator(s), tail pipe(s), and heat shields; determine necessary action.

56.48%

Assessment: Business Management
Standard Set: KOSSA Program Areas
Filters:
- All Standards
- Accumulating results

Number tested: 1817

KOSSA Program Areas

– Business Management   58.49%

   1) OA FINANCIAL DECISION MAKING   55.32%

      2) OA 2 Calculate, interpret, and evaluate data provided in order to estimate outcomes in preparing financial forecasts (i.e., business plan projections)   58.1%

      6) OA 6 Describe the purpose of financial statements   69.01%

      7) OA 7 Interpret the data shown on financial statements (e.g., income statements, balance sheet, cash flow statement, and statement of net worth)   32.53%

      8) OA 8 Develop short-term and long-term financial needs of a business   49.7%

      9) OA 9 Identify financial risks to business   61.7%

   2) OB BUSINESS ORGANIZATIONS   57.37%

      1) OB 1 Compare forms of business ownership   66.48%

      2) OB 2 Describe types of organizational structures and management levels   46.51%

      3) OB 3 Identify the factors that influence an organizations structure   59.11%

   3) OC BUSINESS FUNCTIONS   62.89%

      1) OC 1 Discuss the importance of vision, mission, goals, and objectives within the context of the business environment   59.27%

      2) OC 2 Discuss characteristics of effective and ineffective leaders   47.17%

      3) OC 3 Differentiate between leading and managing   89.05%

      4) OC 4 Compare and contrast leadership styles   45.79%

      5) OC 5 Demonstrate an understanding of the four functions of management: planning, organizing, leading, and controlling   76.77%

   4) OD BUSINESS MANAGEMENT SKILLS   53.88%

      7) OD 7 Describe why different managerial styles can be equally successful   53.88%

   5) OE HUMAN RESOURCE MANAGEMENT   57.49%

      1) OE 1 Analyze how the impact of human resource activities help organizations to achieve their goals   62.58%

      2) OE 2 Analyze the impact of outsourcing on businesses   39.41%

3) OE 3 Explain why orientation and training are necessary for successful employee performance | 76.77%

5) OE 5 Identify legislation (e.g., civil rights, right to privacy, ADA) affecting personnel practices (e.g., compensation, promotion, recruitment, selection, termination, training / development) | 27.79%

6) OE 6 Describe criteria of an employee evaluation | 21.85%

8) OE 8 Compare compensation plans, benefit packages, and incentive programs available to employees | 91.58%

10) OE 10 Develop awareness of employee assistance programs (e.g., substance abuse, wellness, financial assistance, legal, referrals, counseling) | 68.57%

12) OE 12 Develop an understanding of a businesss responsibility to know, abide by, and enforce laws and regulations that affect business operations and transactions (anti-trust laws, organized labor, regulatory agencies) | 71.38%

6) OF INDUSTRY ANALYSIS | 59.87%

1) OF 1 Analyze a business organizations competitive position within the industry | 77.33%

2) OF 2 Describe ways to increase market share | 90.81%

3) OF 3 Compare various forms of competition (i.e., pure competition, monopolistic competition, oligopoly, monopoly) | 27.13%

5) OF 5 Utilize SWOT (Strengths, Weaknesses, Opportunities, and Threats) analysis with case studies/business plan | 72.04%

6) OF 6 Identify internal and external data sources and explain how businesses use them | 39.85%

7) OF 7 Recognize the impact of economics | 44.08%

8) OF 8 Understand the economic principles and concepts fundamental to business operations (e.g., entrepreneurship, scarcity, cost of inputs, opportunity costs) | 58.72%

9) OF 9 Discuss and compare various types of economies (i.e., traditional, command, market, mixed) | 69.01%

7) OG OPERATIONS MANAGEMENT | 48.87%

1) OG 1 Explain the coordination/allocation of the factors of production | 43.81%

3) OG 3 Evaluate a product design (i.e., product development) | 62.52%

5) OG 5 Recognize factors considered when selecting suppliers (e.g., quality, price, reliable delivery) | 40.29%

8) OH GLOBAL PERSPECTIVES | 62.1%

2) OH 2 Describe global economic factors | 59.71%

3) OH 3 Examine issues of corporate culture and managing in the global

environment | 75.37%

4) OH 4 Define examples of global involvement (e.g., licensing, joint ventures, exporting, importing, franchising, direct investment, global outsourcing) | 40.56%

5) OH 5 Understand government/legal activities that affect global trade to make business decisions | 59.49%

9) OI PUBLIC POLICY | 60.36%

1) OI 1 Explain the relationship between ethics and governmental regulations | 60.4%

2) OI 2 Recognize types of taxation assessed to businesses | 60.26%

10) OJ MARKETING TECHNIQUES | 56.54%

1) OJ 1 Perform a market research experiment | 50.8%

2) OJ 2 Develop a marketing mix plan (i.e., product, price, place, promotion) for a business | 45.4%

3) OJ 3 Analyze a target market for business/case studies | 64.45%

4) OJ 4 Describe the nine functions of marketing (i.e., purchasing, selling, pricing, product planning, marketing information management, promotion, financing, distribution, risk management) | 65.49%

11) OK BUSINESS PLANNING | 72.15%

2) OK 2 Create a business plan (e.g., executive summary, industry analysis, company description, products and services description, market description, marketing strategy, operations description, staffing description, financial projection, capital needs, milestones) | 72.15%

Assessment: Communications

Standard Set: KOSSA Program Areas

Filters:

• All Standards

• Accumulating results

Number tested: 495

KOSSA Program Areas

– COMMUNICATIONS — 81.51%

   1) OA WORKFORCE ISSUES MEASURABLE — 75.7%

      1) OA 1 Demonstrate safe, careful use, treatments, and maintenance of tools, equipment, and machines — 83.84%

      2) OA 2 Analyze, organize, and develop concepts into practical applications — 63.84%

      3) OA 3 Demonstrate an understanding of the accountability of company materials and equipment — 83.64%

      4) OA 4 Organize workflow information, materials, and procedures logically — 75.45%

   2) OB WORKPLACE SAFETY AND HEALTH MEASURABLE — 83.22%

      1) OB 1 Follow theft and security procedures — 67.47%

      2) OB 2 Identify emergency, safety, and health rules/procedures — 88.03%

      4) OB 4 Demonstrate an understanding of MSDS (Material Safety Data Sheets) — 71.41%

      5) OB 5 Identify immediate and real costs of an accident — 77.17%

      6) OB 6 Identify methods of preventing accidents in the workplace — 87.47%

      7) OB 7 Assume responsibility for the personal safety of self and others — 85.39%

      8) OB 8 Comply with established safety practices — 81.72%

      9) OB 9 Identify fire exits and fire-fighting equipment — 94.55%

      10) OB 10 Maintain a clean and safe work facility — 81.82%

   3) OC COMPUTER USE MEASURABLE — 79.77%

      2) OC 2 Demonstrate keyboarding operations and care of computer equipment — 85.9%

      3) OC 3 Demonstrate the use of industry-accepted software applications (e.g., word processing, database, spreadsheet, presentation) — 77.11%

      4) OC 4 Demonstrate the use of the Internet as an electronic research tool — 75.76%

   4) OD BUSINESS PLANNING AND OPERATIONS MEASURABLE — 85.09%

      1) OD 1 Identify the components that lead to customer satisfaction — 87.85%

3) OD 3 Identify possible actions that may be used to correct customer dissatisfaction

94.85%

4) OD 4 Identify the ways that customer satisfaction influences a business reputation

67.07%

Assessment: Computer Programming

Standard Set: KOSSA Program Areas

Filters:

- All Standards
- Accumulating results

Number tested: 354

KOSSA Program Areas

– COMPUTER PROGRAMMING — 66.15%

   1) OA COMPUTER LITERACY — 83.57%

      8) OA 8 Explain the differences between a Web browser and a search engine — 90.96%

      14) OA 14 Discriminate between ethical and unethical uses of computers and information — 72.03%

      17) OA 17 Explain the impact of computers on society — 83.05%

      18) OA 18 Identify types of computers, platforms, and devices explaining how they process information and how individual computers interact with other computing systems and devices — 88.98%

      19) OA 19 Identify the function of computer hardware components — 77.4%

   2) OB INFORMATION TECHNOLOGY PROJECT MANAGEMENT — 57.13%

      3) OB 3 Identify target audience — 61.16%

      4) OB 4 Identify stakeholders and decision makers — 40.68%

      7) OB 7 Estimate time requirements — 65.54%

   3) OC PROGRAMMING CONCEPTS — 71.29%

      1) OC 1 Trace the development of computers and the current industry trends in the programming field — 52.54%

      4) OC 4 Describe the functions of computer hardware, software, and computer theory including bits, bytes, binary logic, and storage — 71.28%

      5) OC 5 Compare and contrast operating systems (e.g., full version, mobile) — 90.11%

   4) OD ALGORITHMIC/LOGIC PROCEDURES — 62.71%

      1) OD 1 Define a program specification — 62.71%

   5) OE PROGRAMMING PROCEDURES — 63.48%

      1) OE 1 Demonstrate an understanding of steps for developing a program — 51.69%

      2) OE 2 Design a program — 70.34%

      3) OE 3 Code the program from an algorithm (e.g., pseudocode, flowchart) — 60.31%

      4) OE 4 Run the program with sample data to test its validity — 58.19%

5) OE 5 Develop test data for a given program — 91.81%

6) OF PROGRAMMING APPLICATIONS — 66.43%

2) OF 2 Create an application user interface — 83.33%

4) OF 4 Code an application that uses arithmetic operations and built-in functions — 70.2%

5) OF 5 Identify and write a program that uses variables and constants — 38.42%

6) OF 6 Identify and write a program that use Boolean operators — 84.18%

7) OF 7 Identify and write a modular program that uses functions or methods — 75.71%

8) OF 8 Identify and write a program that uses conditional structures — 35.31%

9) OF 9 Identify and write a program that uses looping structures — 62.29%

11) OF 11 Identify and write a program that uses arrays — 57.34%

15) OF 15 Code an application program to display graphics — 70.06%

18) OF 18 Compare and contrast object-oriented programming vs. a procedural programming — 70.06%

7) OG DATABASE MANAGEMENT FUNCTIONS — 41.81%

4) OG 4 Access a database located on a local area network that uses program code — 41.81%

9) OI WEB PAGE APPLICATIONS — 54.4%

1) OI 1 Access a database that uses program code — 81.07%

3) OI 3 Develop client-server applications — 21.19%

4) OI 4 Configure communication protocols for wide area networks — 48.59%

6) OI 6 Use and document electronic resources and references in the development of a program application — 70.06%

7) OI 7 Evaluate the validity of sample code obtained from the Internet and other sources — 67.51%

8) OI 8 Develop a Web page to publish a programming application — 46.19%

Assessment: Construction

Standard Set: KOSSA Program Areas

Filters:
- All Standards
- Accumulating results

Number tested: 1288

KOSSA Program Areas

– CONSTRUCTION — 64.61%

    1) OA BLUEPRINT READING — 54.72%

        1) OA 1 Interpret a list of architectural terms associated with plan reading — 48.29%

        2) OA 2 Identify different architectural line types — 57.08%

        3) OA 3 Interpret specifications — 57.41%

        4) OA 4 Determine overall dimensions — 49.61%

        5) OA 5 Interpret various symbols — 65.88%

        6) OA 6 Display an understanding of door and window schedules — 44.41%

        7) OA 7 Identify mechanical, concrete, framing, and building procedures techniques as related to drawings — 52.33%
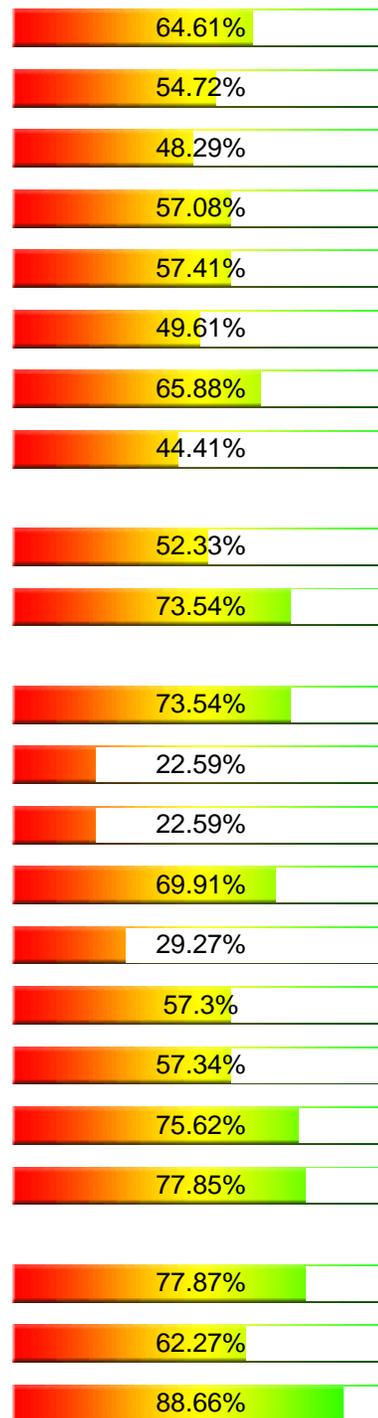
    2) OB WORKFORCE ISSUES — 73.54%

        2) OB 2 Demonstrate knowledge of safety practices that relate to the construction industry — 73.54%

    3) OC MATH & MEASUREMENT — 22.59%

        1) OC 1 Demonstrate proper measurement techniques — 22.59%

    4) OD WORKPLACE SAFETY & HEALTH — 69.91%
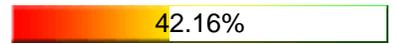
        1) OD 1 Demonstrate knowledge of first aid and CPR — 29.27%

        2) OD 2 Demonstrate knowledge and understanding of bloodborne pathogens — 57.3%

        3) OD 3 Apply appropriate first aid techniques — 57.34%

        4) OD 4 Identify different types of chemical, biological, and physical hazards — 75.62%

        5) OD 5 Identify the characteristics of a safe work site — 77.85%

        6) OD 6 Identify OSHAs 1926.10 Construction Standards and who enforces OSHA Rules and Regulations in Kentucky — 77.87%

        7) OD 7 Interpret MSDS sheets — 62.27%

        8) OD 8 Identify the safe and proper use of the tools of the trade — 88.66%

        9) OD 9 Demonstrate knowledge and understanding of OSHA 10-hour General

Safety Course   81.83%

10) OD 10 Identify laws and regulations that relate to the construction industry   42.16%

Assessment: Consumer and Family Management
Standard Set: KOSSA Program Areas
Filters:
- All Standards
- Accumulating results

Number tested: 1829

KOSSA Program Areas

– Consumer and Family Management — 72.43%

    1) OA MANAGEMENT OF INDIVIDUAL AND FAMILY RESOURCES — 84.25%

        1) OA 1 Apply management, planning skills, and processes to organize tasks and responsibilities — 90.05%

        2) OA 2 Examine how individuals and families make choices to satisfy needs and wants — 78.46%

    2) OB RELATIONSHIP OF THE ENVIRONMENT TO FAMILY AND CONSUMER RESOURCES — 77.09%

        1) OB 1 Determine individual and family responsibility in relation to environmental trends and issues — 77.09%

    3) OC POLICIES THAT SUPPORT CONSUMER RIGHTS AND RESPONSIBILITIES — 46.2%

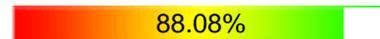   3) OC 3 Examine skills used in seeking information related to consumer rights — 46.2%

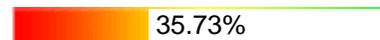   5) OE INTERRELATIONSHIPS BETWEEN THE ECONOMIC SYSTEM AND CONSUMER ACTIONS — 84.28%

        1) OE 1 Examine the use of resources in making choices that satisfy needs and wants of individuals and families — 80.48%

        4) OE 4 Determine practices that allow families to maintain economic self-sufficiency — 88.08%
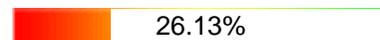
    6) OF MANAGEMENT OF FINANCIAL RESOURCES TO MEET THE GOALS OF INDIVIDUALS AND FAMILIES ACROSS THE LIFE SPAN — 35.73%

        1) OF 1 Apply management principles to decisions about individuals and family insurance — 45.33%

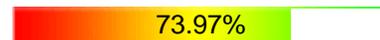   2) OF 2 Obtain personal and legal documents related to managing individual and family finances — 26.13%

    7) OG FACTORS THAT IMPACT CONSUMER ADVOCACY — 78.68%

        5) OG 5 Determine strategies to reduce the risk of consumer fraud — 78.68%

    8) OH FACTORS IN DEVELOPING A LONG-TERM FINANCIAL MANAGEMENT PLAN — 73.97%

        1) OH 1 Explain the impact of the economic system on personal income,

individual/family security, and consumer decisions

73.97%

9) OI RESOURCE CONSUMPTION FOR CONSERVATION AND WASTE MANAGEMENT PRACTICES

92.78%

5) OI 5 Examine roles of government, industry, and family in energy consumption

92.78%

11) OK STRATEGIES TO MANAGE MULTIPLE, INDIVIDUAL, FAMILY, CAREER, COMMUNITY AND WORKPLACE SETTINGS

66.32%

1) OK 1 Examine policies, issues, and trends in the workplace/community that impact individuals and families

49.37%

3) OK 3 Analyze the potential impact of career path decisions on balancing work and family

74.79%

12) OL IMPACT OF INDIVIDUAL AND FAMILY PARTICIPATION IN COMMUNITY ACTIVITIES

65.83%

4) OL 4 Examine community resources and systems of formal/informal support available to individuals and families

85.24%

5) OL 5 Examine the impact of public policies, agencies, and institutions on the family

46.42%

13) OM IMPACT OF FAMILY AS A SYSTEM ON INDIVIDUALS AND SOCIETY

72.6%

1) OM 1 Examine family as the basic unit of society

81.3%

2) OM 2 Determine the role of family in transmitting societal expectations

81.68%

3) OM 3 Examine global influences on todays families

69.44%

4) OM 4 Examine the role of family in teaching culture and traditions across the life span

80.75%

5) OM 5 Examine the role of family in developing independence, interdependence, and commitment of family members

34.23%

6) OM 6 Determine the impact of change and transitions over the life course

74.47%

7) OM 7 Explore the ways family and consumer sciences careers assist the works of the family

82.56%

14) ON APPRECIATION FOR DIVERSE PERSPECTIVES, NEEDS, AND CHARACTERISTICS OF INDIVIDUALS AND FAMILIES

48.44%

3) ON 3 Examine the impact of empathy for diversity on individuals in family and community settings

48.44%

15) OO FACTORS RELATED TO PROVIDING FAMILY AND COMMUNITY SERVICES

68.33%

1) OO 1 Examine local, state, and national agencies and informal support resources providing human services

61.67%

2) OO 2 Examine licensing laws and regulations that affect service providers

and their participants | 71.65%

16) OP CONDITIONS AFFECTING INDIVIDUALS AND FAMILIES WITH A VARIETY OF DISADVANTAGING CONDITIONS | 95.57%

    6) OP 6 Determine the appropriate support needed to address selected human service issues | 95.57%

17) OQ SERVICES FOR INDIVIDUALS AND FAMILIES WITH A VARIETY OF DISADVANTAGING CONDITIONS | 70.09%

    3) OQ 3 Cite coping, adjustment strategies, and stress management practices for the participant, caregiver, and family member | 70.09%

18) OR FUNCTIONS AND EXPECTATIONS OF VARIOUS TYPES OF RELATIONSHIPS | 69.53%

    1) OR 1 Examine processes for building and maintaining interpersonal relationships | 75.56%

    2) OR 2 Examine the impact of various stages of the family life cycle on the interpersonal relationships | 71.7%

    4) OR 4 Determine factors that contribute to healthy and unhealthy relationships | 74.19%

    5) OR 5 Explore processes for handling unhealthy relationships | 47.68%

19) OS PERSONAL NEEDS AND CHARACTERISTICS AND THEIR IMPACT ON INTERPERSONAL RELATIONSHIPS | 80.24%

    1) OS 1 Examine the impact of personal characteristics on relationships | 85.07%

    3) OS 3 Examine the effect of self-esteem and self-image on relationships | 66.92%

    4) OS 4 Determine the impact of life span events and conditions on relationships | 86.93%

    5) OS 5 Explain the impact of personal standards and codes of conduct on interpersonal relationships | 87.78%

20) OT COMMUNICATION SKILLS THAT CONTRIBUTE TO POSITIVE RELATIONSHIPS | 78.11%

    1) OT 1 Examine communication styles and their effects on relationships | 83.84%

    2) OT 2 Examine barriers to communication in family and community settings | 76.24%

    5) OT 5 Examine the roles and functions of communication in family and community settings | 70.37%

21) OU CONFLICT PREVENTION AND MANAGEMENT TECHNIQUES | 82.45%

    3) OU 3 Assess community resources that support conflict prevention and management | 82.45%

Assessment: Culinary and Food Services

Standard Set: KOSSA Program Areas

Filters:

• All Standards

• Accumulating results

Number tested: 1698

KOSSA Program Areas

– Culinary | 68.79%

1) OA CAREER PATHS WITHIN FOOD PRODUCTION AND FOOD SERVICES INDUSTRIES | 78.18%

    1) OA 1 Determine the roles and functions of individuals engaged in food production and services careers | 93.23%

    3) OA 3 Examine education/training requirements and opportunities for career paths in food production and services | 63.13%

2) OB FOOD SAFETY AND SANITATION PROCEDURES | 74.22%

    1) OB 1 Determine pathogens found in food and their role in causing illness | 73.32%

    2) OB 2 Employ food service management safety/sanitation program procedures | 92.46%

    4) OB 4 Use Hazard Analysis Critical Control Point (HACCP) principles and procedures to minimize the risks of food-borne illness | 69.38%

    9) OB 9 Use Occupational Safety and Health Administrations (OSHA) Right to Know Law and Material Safety Data Sheets (MSDS) and explain their requirements in handling hazardous materials | 42.34%

    11) OB 11 Demonstrate ability to maintain necessary records to document time and temperature control, maintenance of equipment, and other elements of food preparation, storage, and presentation | 83.92%

3) OC SELECTING, USING, AND MAINTAINING FOOD PREPERATION EQUIPMENT | 68.08%

    1) OC 1 Operate tools and equipment following procedures and OSHA requirements | 59.01%

    2) OC 2 Maintain tools and equipment following safety procedures and OSHA requirements | 82.21%

    3) OC 3 Demonstrate procedures for cleaning and sanitizing equipment | 65.14%

    5) OC 5 Demonstrate procedures for storage of equipment and tools | 68.9%

4) OD PLANNING MENU ITEMS BASED ON STANDARDIZED RECIPES TO MEET CUSTOMER NEEDS | 75.24%

    2) OD 2 Apply menu planning principles to develop and modify menus | 75.24%

5) OE COMMERCIAL PREPARATION FOR ALL MENU CATEGORIES TO PRODUCE A VARIETY OF FOOD PRODUCTS — 65.57%

    1) OE 1 Demonstrate skills in knife, tool, and equipment handling — 77.36%

    2) OE 2 Demonstrate a variety of cooking methods: roasting, baking, broiling, smoking, grilling, sauteing, frying, deep frying, braising, stewing, poaching, steaming, woking, convection, microwaving, and other emerging technologies — 53.77%

    3) OE 3 Utilize weights and measures to demonstrate proper scaling and measurement technique — 72.7%

    6) OE 6 Prepare various stocks, soups, and sauces — 48.7%

    7) OE 7 Prepare various fruits, vegetables, starches, and farinaceous items — 58.54%

    8) OE 8 Prepare various salads, dressings, and spices — 84.22%

    10) OE 10 Prepare baked goods and desserts — 44.76%

6) OF FOOD SERVICE PLANNING AND OPERATIONAL FUNCTIONS — 73.66%

    1) OF 1 Apply principles of purchasing and receiving in food service operations — 67.61%

    2) OF 2 Practice inventory procedures including first in/first out concept, date markings, and record keeping — 81.63%

    3) OF 3 Apply accounting principles in planning and forecasting profit and loss — 63.78%

7) OG INTERNAL AND EXTERNAL CUSTOMER SERVICE — 69.4%

    2) OG 2 Demonstrate quality services, which exceed the expectations of customers — 65.67%

    3) OG 3 Examine the relationship between employees and customer satisfaction — 77.27%

    4) OG 4 Apply strategies for resolving complaints — 65.25%

8) OH CAREER PATHS WITHIN FOOD SCIENCE, DIETETICS, AND NUTRITION INDUSTRIES — 69.58%

    1) OH 1 Determine the roles and functions of individuals engaged in food science, dietetics, and nutrition careers — 57.89%

    4) OH 4 Examine the impact of food science, dietetics, and nutrition occupations on local, state, national, and global economies — 81.27%

9) OI NUTRITION PRINCIPLES, FOOD PLANS, PREPARATION TECHNIQUES, AND SPECIALIZED DIETARY PLANS — 70.22%

    3) OI 3 Assess principles to maximize nutrient retention in prepared foods — 73.14%

    5) OI 5 Critique the selection of foods to promote a healthy lifestyle — 65.31%

    6) OI 6 Categorize foods into exchange groups and plan menus, applying the exchange system to meet various nutrient needs — 72.2%

10) OJ BASIC CONCEPTS OF NUTRITIONAL THERAPY — 75.8%

4) OJ 4 Select appropriate nourishment based on nutritional needs — 75.8%

11) OK USE OF TECHNOLOGY IN FOOD PRODUCT DEVELOPMENT AND MARKETING — 83.57%

5) OK 5 Implement procedures that affect quality product performance — 83.57%

12) OL FOOD SCIENCE, DIETETICS, AND NUTRITION MANAGEMENT PRINCIPLES AND PRACTICES — 55.18%

1) OL 1 Build menus to customer/client preferences — 76.68%

4) OL 4 Create standardized recipes — 28.68%

7) OL 7 Implement procedures that provide cost effective products — 60.19%

13) OM FACTORS THAT INFLUENCE NUTRITION AND WELLNESS PRACTICES ACROSS THE LIFE SPAN — 41.05%

3) OM 3 Examine the governmental, economic, and technological influences on food choices and practices — 41.05%

14) ON NUTRITIONAL NEEDS OF INDIVIDUALS AND FAMILIES IN RELATION TO HEALTH AND WELLNESS ACROSS THE LIFE SPAN — 60.23%

1) ON 1 Assess the effect of nutrients on health, appearance, and peak performance — 57.36%

2) ON 2 Research the relationship of nutrition and wellness to individual and family health throughout the life span — 63.1%

15) OO ABILITY TO ACQUIRE, HANDLE, AND USE FOODS TO MEET NUTRITION AND WELLNESS NEEDS OF INDIVIDUALS AND FAMILIES ACROSS THE LIFE SPAN — 77.74%

1) OO 1 Apply various dietary guidelines in planning to meet nutrition and wellness needs — 80.62%

2) OO 2 Design strategies that meet the health, nutrition, and requirements of individuals and families with special needs — 74.85%

17) OQ IMPACT OF SCIENCE AND TECHNOLOGY ON FOOD CONSUMPTION, SAFETY, AND OTHER ISSUES — 66.02%

10) OQ 10 Describe and explain the energy conversion process — 66.02%

Assessment: Early Childhood Education
Standard Set: KOSSA Program Areas
Filters:
• All Standards
• Accumulating results

Number tested: 1269

KOSSA Program Areas

– Early Childhood Education | 70.39%

1) OA CAREER PATHS WITHIN EARLY CHILDHOOD EDUCATION AND SERVICES | 62.45%

3) OA 3 Examine education/training requirements and opportunities for career paths in early childhood education and services | 52.96%

4) OA 4 Examine the impact of early childhood education and service occupations on local, state, national, and global economies | 71.95%

3) OC DEVELOPMENTALLY APPROPRIATE PRACTICES FOR EARLY CHILDHOOD EDUCATION AND SERVICES | 66.41%

1) OC 1 Examine child development theories and their implications for educational and childcare practices | 38.85%

2) OC 2 Determine a variety of assessment methods to observe and interpret childrens growth and development | 59.97%

3) OC 3 Consider cultural and environmental influences with assessing childrens development | 65.56%

4) OC 4 Determine special needs of children | 82.66%

5) OC 5 Put into effect strategies that promote childrens growth and development | 85.03%

4) OD INTEGRATION OF CURRICULUM AND INSTRUCTION TO MEET CHILDRENS DEVELOPMENTAL NEEDS AND INTERESTS | 75.51%

1) OD 1 Examine a variety of curriculum and instructional models | 78.17%

2) OD 2 Implement learning activities in all curriculum areas that meet the developmental needs of children | 74.88%

3) OD 3 Implement an integrated curriculum that incorporates a childs language, learning styles, home experiences, and cultural values | 89.36%

4) OD 4 Demonstrate a variety of teaching methods to meet individual needs of children | 83.61%

5) OD 5 Arrange learning centers that provide for childrens exploration, discovery, and development | 62.41%

6) OD 6 Establish activities, routines, and transitions | 66.51%

5) OE SAFE AND HEALTHY LEARNING ENVIRONMENT FOR CHILDEREN — 82.97%

    1) OE 1 Manage physical space to maintain a safe and healthy learning environment — 77.15%

    2) OE 2 Apply safe and healthy practices that comply with state regulations — 74.07%

    4) OE 4 Provide safe and healthy meals and snacks — 92.83%

    5) OE 5 Document symptoms of child abuse and neglect and use appropriate reporting procedures to the designated authorities — 91.33%

    7) OE 7 Demonstrate security and emergency procedures — 87.39%

6) OF TECHNIQUES FOR POSITIVE COLLARBORATIVE RELATIONSHIPS WITH CHILDREN — 70.13%

    1) OF 1 Establish developmentally appropriate guidelines for behavior — 65.92%

    2) OF 2 Demonstrate problem-solving skills with children — 71.32%

    5) OF 5 Present information to parents regarding developmental issues and concerns related to children — 73.76%

7) OG PROFESSIONAL PRACTICES AND STANDARDS RELATED TO WORKING WITH CHILDREN — 76.71%

    2) OG 2 Apply professional and ethical standards as accepted by the recognized professional organizations — 84.16%

    3) OG 3 Implement federal, state, and local standards, policies, regulations, and laws which impact children, families, and programs — 91.25%

    4) OG 4 Demonstrate enthusiasm, initiative, and commitment to program goals and improvements — 70.69%

    5) OG 5 Apply business management skills to planning businesses in early childhood education and services — 60.76%

8) OH PRINCIPLES OF HUMAN GROWTH AND DEVELOPMENT ACROSS THE LIFE SPAN — 45.13%

    1) OH 1 Examine physical, emotional, social, and intellectual development — 64.26%

    2) OH 2 Examine interrelationships among physical, emotional, social, and intellectual aspects of human growth and development — 26%

9) OI CONDITIONS THAT INFLUENCE HUMAN GROWTH AND DEVELOPMENT — 66.04%

    1) OI 1 Investigate the impact of heredity and environment on human growth and development — 66.04%

10) OJ STRATEGIES THAT PROMOTE GROWTH AND DEVELOPMENT ACROSSS THE LIFE SPAN — 87.59%

    2) OJ 2 Examine the role of communication on human growth and development — 81.95%

3) OJ 3 Examine the role of support systems in meeting human growth and development needs | 93.22%

11) OK ROLES AND RESPONSIBILITIES OF PARENTING | 56.19%

2) OK 2 Examine expectations and responsibilities of parenting | 78.33%

3) OK 3 Determine consequences of parenting practices to the individual, family, and society | 34.04%

12) OL PARENTING PRACTICES THAT MAXIMIZE HUMAN GROWTH AND DEVELOPMENT | 66.94%

1) OL 1 Choose nurturing practices that support human growth and development | 60.91%

2) OL 2 Select communication strategies that promote positive self-esteem in family members | 72.97%

13) OM EXTERNAL SUPPORT SYSTEMS THAT PROVIDE SERVICES FOR PARENTS | 58.84%

1) OM 1 Assess community resources and services available to families | 85.74%

2) OM 2 Appraise community resources that provide opportunities related to parenting | 56.26%

3) OM 3 Review current laws and policies related to parenting | 34.52%

14) ON PHYSICAL AND EMOTIONAL FACTORS RELATE TO BEGINNING THE PARENTING PROCESS | 75.49%

1) ON 1 Examine biological processes related to prenatal development, birth, and health of child and mother | 75.49%

Assessment: Engineering and Technology
Standard Set: KOSSA Program Areas
Filters:
• All Standards
• Accumulating results

Number tested: 1578

KOSSA Program Areas

– Engineering and Technology | 67.57%

1) OA CHARACTERISTICS AND SCOPE OF TECHNOLOGY | 57.7%

    1) OA 1 Nature of technology | 21.29%

    2) OA 2 Rate of technological diffusion | 94.11%

2) OB CORE CONCEPTS OF TECHNOLOGY | 58.41%

    1) OB 1 Systems | 69.77%

    4) OB 4 Optimization and trade-offs | 57.22%

    5) OB 5 Processes | 48.23%

3) OC RELATIONSHIPS AMONG TECHNOLOGIES AND THE CONNECTIONS BETWEEN TECHNOLOGY AND OTHER FIELDS | 88.31%

    2) OC 2 Innovation and invention | 94.36%

    3) OC 3 Knowledge protection and patents | 82.26%

4) OD CULTURAL, SOCIAL, ECONOMIC, AND POLITICAL EFFECTS OF TECHNOLOGY | 67.55%

    3) OD 3 Ethical implications | 67.55%

5) OE EFFECTS OF TECHNOLOGY ON THE ENVIRONMENT | 69.56%

    1) OE 1 Conservation | 86.57%

    3) OE 3 Monitor environment | 94.36%

    4) OE 4 Alignment of natural and technological processes | 43.28%

    5) OE 5 Reduce negative consequences of technology | 61.79%

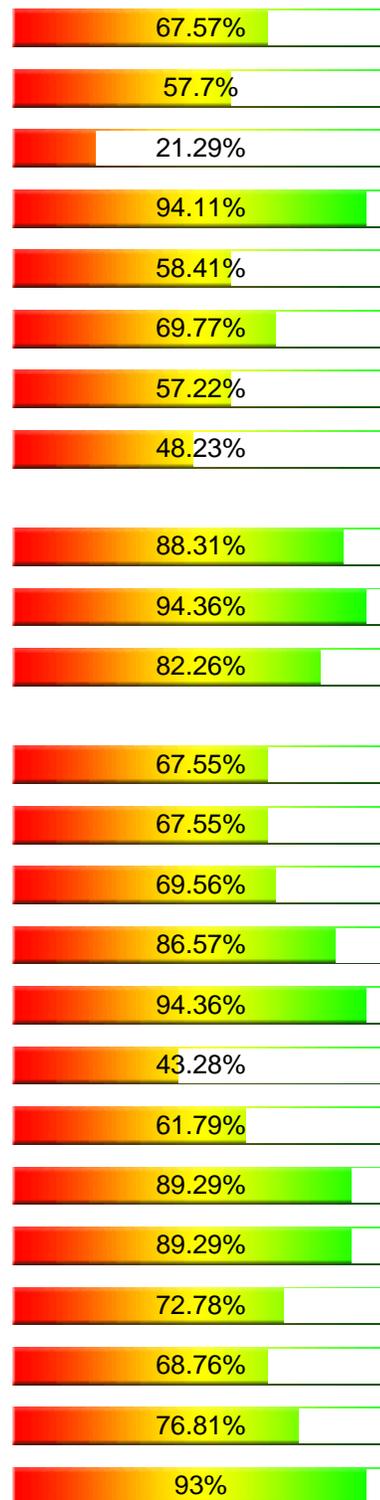6) OF ROLE OF SOCIETY IN THE DEVELOPMENT AND USE OF TECHNOLOGY | 89.29%

    3) OF 3 Factors affecting designs and demands of technologies | 89.29%
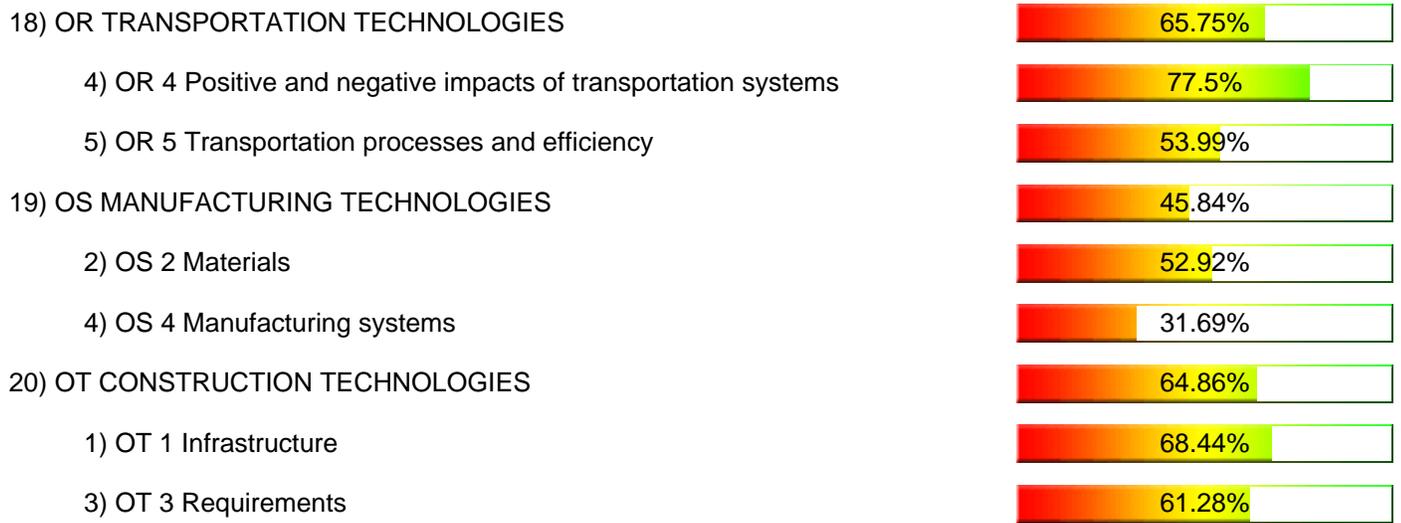
7) OG INFLUENCE OF TECHNOLOGY ON HISTORY | 72.78%

    2) OG 2 Dramatic changes in society | 68.76%

    8) OG 8 The Industrial Revolution | 76.81%

8) OH ATTRIBUTES OF DESIGN | 93%

1) OH 1 The design process	92.59%
4) OH 4 Requirements	93.41%
9) OI ENGINEERING DESIGN	74.74%
1) OI 1 Design principles	76.17%
2) OI 2 Influence of personal characteristics	59.06%
3) OI 3 Prototypes	88.97%
10) OJ ROLE OF TROUBLESHOOTING, RESEARCH AND DEVELOPMENT, INVENTION, AND INNOVATIONS, AND EXPERIMENTING IN PROBLEM SOLVING	84.54%
1) OJ 1 Research and development	84.54%
11) OK APPLY DESIGN PROCESSES	69.47%
2) OK 2 Identify criteria and constraints	77%
3) OK 3 Refine the design	92.08%
4) OK 4 Evaluate the design	59.7%
6) OK 6 Reevaluate final solution(s)	59.28%
12) OL USE AND MAINTAIN TECHNOLOGICAL PRODUCTS AND SYSTEMS	57.07%
1) OL 1 Document and communicate processes and procedures	54.75%
5) OL 5 Use computers to communicate	59.38%
13) OM ASSESS THE IMPACT OF PRODUCTS AND SYSTEMS	85.49%
2) OM 2 Synthesize data to draw conclusions	88.66%
3) OM 3 Employ assessment techniques	82.32%
15) OO AGRICULTURAL AND RELATED BIOTECHNOLOGIES	71.74%
2) OO 2 Biotechnology	71.74%
16) OP ENERGY AND POWER TECHNOLOGIES	59.7%
1) OP 1 Law of Conservation of energy	49.62%
2) OP 2 Energy sources	44.99%
4) OP 4 Renewable and non-renewable forms of energy	84.47%
17) OQ INFORMATION AND COMMUNICATION	60.51%
1) OQ 1 Parts of information and communications systems	75.98%
2) OQ 2 Information and communication systems	58.49%
5) OQ 5 Many ways of communicating	62.85%
6) OQ 6 Communication through symbols	49.11%

18) OR TRANSPORTATION TECHNOLOGIES `65.75%`

    4) OR 4 Positive and negative impacts of transportation systems `77.5%`

    5) OR 5 Transportation processes and efficiency `53.99%`

19) OS MANUFACTURING TECHNOLOGIES `45.84%`

    2) OS 2 Materials `52.92%`

    4) OS 4 Manufacturing systems `31.69%`

20) OT CONSTRUCTION TECHNOLOGIES `64.86%`

    1) OT 1 Infrastructure `68.44%`

    3) OT 3 Requirements `61.28%`

Assessment: Environmental Science/Natural Resources Systems

Standard Set: KOSSA Program Areas

Filters:

- All Standards
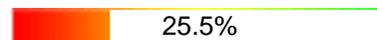- Accumulating results

Number tested: 447

KOSSA Program Areas

– ENVIRONMENTAL SCIENCE NATURAL RESOURCES SYSTEMS

61.28%

1) OA USE ANALYTICAL PROCEDURES AND INSTRUMENTS TO MANAGE ENVIRONMENTAL AND NATURAL RESOURCE SYSTEM ACTIVITIES

25.5%

4) OA 4 Demonstrate the proper use of laboratory equipment and environmental monitoring instruments (e.g., microscopes, water/soil testing kits, Biltmore stick, clinometer)

25.5%

2) OB EVALUATE THE IMPACT OF PUBLIC POLICIES AND REGULATIONS ON ENVIRONMENTAL SERVICES AND NATURAL RESOURCE OPERATIONS

56.94%

1) OB 1 Identify laws associated with environmental service and natural resources systems (e.g., Endangered Species, Clean Water, timer harvest regulations)

56.94%

3) OC DEVELOP PROPOSED SOLUTIONS TO ENVIRONMENTAL ISSUES, PROBLEMS AND APPLICATIONS USING SCIENTIFIC PRINCIPLES OF METEOROLOGY, SOIL SCIENCE, HYDROLOGY, MICROBIOLOGY, CHEMISTRY, AND ECOLOGY

67.21%

2) OC 2 Explain the importance of parent material in soil formation

83.22%

3) OC 3 Describe how the biodiversity found in soil contributes to its physical and chemical characteristics

87.7%

4) OC 4 Describe the physical qualities of soil (e.g., infiltration, percolation of water, plant growth, erosion) that determines its use for environmental/natural resources

63.09%

6) OC 6 Differentiate between sustainable and non-sustainable land uses

48.1%

7) OC 7 Describe the worlds water supplies and the uses of it in the biosphere to sustain life

62.19%

4) OD DEMONSTRATE THE OPERATION OF ENVIRONMENTAL SERVICE AND NATURAL RESOURCE SYSTEMS

68.53%

1) OD 1 Distinguish between point source and nonpoint source pollution

78.97%

2) OD 2 Describe how industrial and non industrial pollution impacts the environment

54.59%

4) OD 4 Identify characteristics of solid waste treatment including the byproducts of solid waste treatment in an sanitary landfill

72.04%

5) OE PLAN AND CONDUCT NATURAL RESOURCE MANAGEMENT ACTIVITIES THAT APPLY LOGIC, REASONED AND SCIENTIFICALLY BASED SOLUTIONS TO NATURAL RESOURCE ISSUES AND GOALS   68.81%

    1) OE 1 Demonstrate how to use maps to identify directions, features, calculate actual distance, and determine the elevations of points   42.95%

    3) OE 3 Employ Global Positioning System and Geographic Information Systems technologies to inventory features in natural resource management   69.95%

    4) OE 4 Demonstrate surveying/mapping principles with appropriate industry equipment   91.28%

6) OF ANALYZE INTERRELATIONSHIPS BETWEEN NATURAL RESOURCES AND HUMANS NEEDED TO MANAGE NATURAL RESOURCE SYSTEMS   62.11%

    1) OF 1 Identify trees and other woody plants using morphological characteristics   67.16%

    2) OF 2 Identify herbaceous plants using morphological characteristics   89.49%

    8) OF 8 Demonstrate proper use and maintenance of power and hand tools   51.01%

    9) OF 9 Describe the factors considered in stream classification   56.38%

    11) OF 11 Identify characteristics of a healthy forest   50.67%

    12) OF 12 Describe ways in which forest stands may be improved   57.49%

    15) OF 15 Identify natural resource characteristics desirable for recreational purposes   37.36%
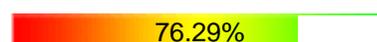
    17) OF 17 Diagram biogeochemical cycles (i.e., carbon, nitrogen, oxygen, water) and their processes   46.76%

    19) OF 19 Explain primary succession and secondary succession of species in a community of organisms   95.97%

    20) OF 20 Discuss factors that influence population density and population dispersion   76.29%

    21) OF 21 Conduct a field inventory of natural resources (e.g., trees, woody plants, herbaceous plants, wildlife, aquatics, rocks/minerals) and record/document findings   40.49%

7) OG DEVELOP PLANS TO ENSURE RESPONSIBLE AND SUSTAINABLE PRODUCTION AND PROCESSING OF NATURAL RESOURCES   56.04%

    1) OG 1 Describe forest harvesting methods and practices   51.4%

    2) OG 2 Describe how certain tree species are utilized for specific purposes   59.73%

    3) OG 3 Describe processing of forest products (e.g., lumber, pulpwood, firewood)   30.87%

    10) OG 10 Describe renewable and nonrenewable natural resources   66.05%

8) OH DEMONSTRATE RESPONSIBLE CONTROL AND MANAGEMENT

PROCEDURES AND TECHNIQUES TO PROTECT AND MAINTAIN NATURAL RESOURCES — 50.89%

   2) OH 2 Differentiate between desirable and undesirable fires — 46.76%

   7) OH 7 Identify harmful insects and damage caused to natural resources — 55.03%

Assessment: Fashion and Interior Design
Standard Set: KOSSA Program Areas
Filters:
 • All Standards
 • Accumulating results

Number tested: 232

KOSSA Program Areas

– Fashion and Interior Design 59.27%

   1) OA CAREER PATHS WITHIN THE FASHION AND INTERIORS DESIGN INDUSTRIES 68.71%

      1) OA 1 Determine the roles and functions of individuals engaged in fashion and interior design careers 59.27%

      2) OA 2 Explore opportunities for employment and entrepreneurial endeavors 82.33%

      3) OA 3 Examine education/training requirements and opportunities for career paths in fashion and interior design 64.22%

      4) OA 4 Examine the impact of fashion and interior design occupations on local, state, national, and global economies 78.45%

   2) OB PROCEDURES FOR BUSINESS PROFITABILITY AND CAREER SUCCESS 57.76%

      1) OB 1 Examine legislation, regulations, and public policy affecting the textiles/apparels and housing, interiors, and furnishings industry 22.41%

      2) OB 2 Examine personal/employer responsibilities and liabilities regarding industry-related safety, security, and environmental factors 61.21%

      4) OB 4 Demonstrate procedures for reporting and handling accidents, safety, and security incidents 46.98%

      7) OB 7 Examine operational costs such as markups, markdowns, cash flow, and other factors affecting profit 80.17%

      10) OB 10 Demonstrate knowledge of the arts, various resources, and cultural impact upon fashion and interior design industries 78.02%

   3) OC HOUSING DECISIONS IN RELATION TO AVAILABLE RESOURCES AND OPTIONS 62.99%

      1) OC 1 Determine the principles and elements of design 64.66%

      2) OC 2 Determine the psychological impact that the principles and elements of design have on the individual 59.48%

      3) OC 3 Determine the effects that the principles and elements of design have on aesthetics and function 64.01%

   4) OD HOUSING, INTERIOR FURNISHINGS, AND PRODUCTS MEETING SPECIFIC DESIGN NEEDS 61.38%

1) OD 1 Research product information, including but not limited to floor coverings, wall coverings, textiles, window treatments, furniture, lighting fixtures, kitchen/bath fixtures, equipment, accessories, and building materials

86.21%

2) OD 2 Select manufacturers, products, and materials and consider care, maintenance, safety, and environmental issues

43.53%

3) OD 3 Review measuring, estimating, ordering, purchasing, and pricing skills

61.42%

4) OD 4 Appraise various interior furnishings, appliances, and equipment which provide cost and quality choices for clients

54.31%

5) OE REQUIRED COMPUTER-AIDED DRAFTING DESIGN, BLUEPRINT READING, AND SPACE PLANNING SKILLS

63.36%

1) OE 1 Read information provided on blueprints

71.12%

2) OE 2 Examine floor plans for efficiency and safety in areas including but not limited to zones, traffic patterns, storage, electrical, and mechanical systems

76.72%

3) OE 3 Draw an interior space to scale, using correct architecture symbols and drafting skills

50%

4) OE 4 Arrange furniture placement with reference to principles of design, traffic flow, activity, and existing architectural features

74.57%

5) OE 5 Utilize applicable building codes, universal guidelines, and regulations in space planning

54.96%

6) OF INFLUENCES ON ARCHITECTURAL AND FURNITURE DESIGN AND DEVELOPMENT

41.92%

2) OF 2 Consider how prosperity, mass production, and technology are related to the various periods

65.95%

3) OF 3 Examine the development of architectural styles throughout history

37.28%

4) OF 4 Compare historical architectural details to current housing and interior design trends

27.16%

7) OG CLIENTS NEEDS, GOALS, AND RESOURCES IN CREATING DESIGN PLANS

49.28%

1) OG 1 Assess human needs, safety, space, and technology as they relate to housing and interiors design goals

53.02%

2) OG 2 Assess community, family, and financial resources needed to achieve clients housing and interior goals

48.28%

3) OG 3 Assess a variety of available resources for housing and interior design

46.55%

8) OH DESIGN IDEAS THROUGH VISUAL PRESENTATION

56.47%

1) OH 1 Select appropriate studio tools

51.94%

3) OH 3 Prepare visual presentations including legends, keys, and schedules

65.52%

9) OI FIBER AND TEXTILES MATERIALS

40.95%

2) OI 2 Determine performance characteristics of fiber and textiles

`40.95%`

10) OJ APPAREL AND TEXTILES DESIGN SKILLS

`60.85%`

1) OJ 1 Examine ways in which fabric, texture, and pattern can affect visual appearance

`58.62%`

2) OJ 2 Apply basic and complex color schemes/color theory to develop and enhance visual effects

`42.24%`

5) OJ 5 Implement design that takes into consideration ecological, environmental, sociological, psychological, technical, and economic trends and issues

`66.06%`

11) OK SKILLS NEEDED TO PRODUCE, ALTER, OR REPAIR TEXTILES PRODUCTS AND APPAREL

`51.51%`

1) OK 1 Use a variety of equipment, tools, and supplies for apparel and textiles construction, alteration, and repair

`51.51%`

12) OL ELEMENTS OF TEXTILES AND APPAREL MERCHANDISING

`82.33%`

2) OL 2 Assess the cost of constructing, manufacturing, altering, or repairing textiles products

`82.33%`

Assessment: Financial Services

Standard Set: KOSSA Program Areas

Filters:

• All Standards

• Accumulating results

Number tested: 673

KOSSA Program Areas

– Financial Services | 69.19%

1) OA GENERALLY ACCEPTED ACCOUNTING PRINCIPLES | 66.57%

    5) OA 5 Identify the components of a negotiable instrument | 66.57%

2) OB BANK PRODUCTS AND SERVICES | 53.79%

    3) OB 3 Possess general knowledge of the following: checking, savings, loans, certificates of deposit, investments, IRAs, customer services, trust services, ATMs, credit/debit card | 77.56%

    6) OB 6 Describe the check clearing system | 30.01%

3) OC KEYBOARDING/DATA ENTRY SKILLS | 66.77%

    1) OC 1 Demonstrate proficient speed and accuracy in use of numeric keypad | 68.5%

    2) OC 2 Demonstrate proficient speed and accuracy in use of keyboard | 63.3%

4) OD SOFTWARE APPLICATIONS | 69.5%

    1) OD 1 Produce documents integrating current word processing, database, and spreadsheet files | 72.88%

    2) OD 2 Create worksheets using spreadsheet commands, functions, and formulas | 66.12%

5) OE MARKETING SKILLS | 76.46%

    1) OE 1 Develop and utilize cross-selling skills | 71.47%

    2) OE 2 Utilize resources available to answer customer questions in person or by telephone | 71.67%

    3) OE 3 Greet and assist customers | 88.63%

6) OF SAFETY AND SECURITY PROCEDURES | 75.9%

    1) OF 1 Know the importance of securing cash and cash items | 82.91%

    2) OF 2 Identify valid currency | 86.03%

    3) OF 3 Be attentive and aware of your surroundings | 93.91%

    4) OF 4 Understand the importance of audits and regulations | 54.83%

7) OG BANKING OPERATIONS | 67.27%

3) OG 3 Open, close, and reconcile teller stations — 74.24%

4) OG 4 Understand debits and credits — 59.73%

5) OG 5 Verify cash transactions — 66.27%

6) OG 6 Provide customers with their account information — 69.99%

7) OG 7 Reconcile accounts with statements — 52.01%

8) OG 8 Verify interest on accounts — 38.11%

9) OG 9 Prepare customer deposit slips — 64.74%

10) OG 10 Prepare cash in and cash out tickets — 75.73%

12) OG 12 Process check with cash return for deposit — 59.96%

13) OG 13 Recognize negotiable instruments — 60.13%

15) OG 15 Receive loan application — 91.68%

16) OG 16 Process loan requests — 79.2%

17) OG 17 Accept loan payments — 71.55%

18) OG 18 Understand the loan collection process — 75.19%

Assessment: Food Science & Processing System

Standard Set: KOSSA Program Areas

Filters:

• All Standards

• Accumulating results

Number tested: 120

KOSSA Program Areas

– Food Science & Processing System — 55.88%

   1) OA FOOD SCIENCE TRENDS — 60.83%

      1) OA 1 Discuss the history and describe /explain the components (e.g., processing, distribution, byproducts) of the food products and processing industry — 60.83%

   2) OB REGULATORY GROUPS AND LAWS — 58.96%

      1) OB 1 Explain the purpose of agencies (i.e. ,USDA, FDA, WHO) that are part of/or regulate the food products and processing industry — 63.33%

      4) OB 4 Explain the importance and usage of industry standards in food products and processing — 45.83%

   4) OD HAZARD ANALYSIS AND CRITICAL POINT (HACCP) — 65.56%

      1) OD 1 Describe contamination hazards and outline procedures to eliminate possible contamination hazards (e.g., physical, chemical, biological) associated with food products and processing — 65.56%

   5) OE SAFETY AND SANITATION — 59.48%

      1) OE 1 Explain techniques and procedures for the safe handling of food products — 42.5%

      2) OE 2 Evaluate food product handling procedures — 70.83%

      5) OE 5 Perform quality assurance tests on food products — 77.5%

      8) OE 8 Explain the importance of microbiological tests in food product preparation, listing common spoilage and pathogenic microorganisms — 53.33%

      9) OE 9 Conduct and interpret microbiological tests for foodborne pathogens and implement corrective procedures — 87.5%

      12) OE 12 Demonstrate proper record keeping (e.g., good agricultural practices, HACC) in a food products and processing system — 59.17%

   7) OG SCIENCE APPLICATION — 61.41%

      4) OG 4 Explain the application of chemistry to food science — 71.67%

      5) OG 5 Explain how the chemical and physical properties of foods influence nutritional value and eating quality — 52.78%

6) OG 6 Determine the chemical and physical properties of food products — 58.61%

7) OG 7 Explain the Food Guide Pyramid in relation to essential nutrients for the human diet — 70.83%

11) OG 11 Compare and contrast food constituents and their relative value to product taste and appearance — 45.83%

12) OG 12 Analyze food products to identify food constituents — 65.83%

14) OG 14 Describe the purpose of common food additives — 76.67%

17) OG 17 Explain the required components of a food label — 42.5%

20) OG 20 Plan and create a new food product — 60.42%

21) OG 21 Perform sensory testing and marketing functions to characterize and determine consumer preference and market potential — 77.08%

8) OH HARVESTING, SELECTION, AND INSPECTION — 65%

7) OH 7 Identify and describe accepted animal treatment and harvesting techniques — 66.67%

10) OH 10 Describe the importance of pre-mortem and post-mortem inspections of animals for harvest — 63.33%

9) OI EVALUATION OF FOOD PRODUCTS — 41.11%

1) OI 1 Identify and describe foods derived from meat, egg, poultry, fish, and dairy products — 40.83%

2) OI 2 Discuss desirable qualities of processed meat, egg, poultry, fish, and dairy products — 30.83%

3) OI 3 Evaluate, grade, and classify processed meat, egg, poultry, fish, and dairy products — 62.5%

5) OI 5 Discuss desirable qualities of fruit and vegetable products — 30.83%

10) OJ FOOD PROCESSING — 46.58%

4) OJ 4 Explain methods and materials for processing foods for sale as fresh food products — 20%

7) OJ 7 Identify methods of food preservation and give examples of foods preserved by each method — 40%

8) OJ 8 Explain the processes of food preservation methods — 50%

10) OJ 10 Explain techniques for preparing ready-to-eat food products — 32.92%

13) OJ 13 Explain materials and methods of food packaging and presentation — 76.67%

16) OJ 16 Identify and explain storage conditions to preserve product quality — 55.42%

18) OJ 18 Compare and contrast foods stored under varying conditions for quality, shelf life, and intended use — 51.25%

Assessment: Horticulture

Standard Set: KOSSA Program Areas

Filters:

• All Standards

• Accumulating results

Number tested: 2016

KOSSA Program Areas

– Horticulture | 46.06%

  1) OA DEVELOP AND IMPLEMENT A CROP MANAGEMENT PLAN FOR A GIVEN PRODUCTION GOAL THAT ACCOUNTS FOR ENVIRONMENTAL FACTORS | 46.45%

    1) OA1 Describe the proper methods to collect soil samples | 78.52%

    2) OA2 Analyze fertility and pH based on soil sample results | 50.05%

    3) OA3 Analyze fertility and pH based on water sample results | 24.21%

    4) OA4 Analyze site according to soil type, slope, and drainage | 54.22%

    5) OA5 Differentiate the function of various growing media components | 52.68%

    6) OA6 Determine the optimal air, temperature, and water conditions for plant growth | 32.61%

    7) OA7 Describe plant responses to light color, intensity and duration | 32.34%

  2) OB APPLY THE PRINCIPLES OF CLASSIFICATION, PLANT ANATOMY AND PLANT PHYSIOLOGY TO PLANT PRODUCTION AND MANAGEMENT | 43.01%

    1) OB1 Explain systems used to classify plants | 34.18%

    2) OB2 Describe the components, types, and functions of plant roots | 44.22%

    3) OB3 Describe the components, types, and functions of plant stems | 28.72%

    4) OB4 Describe the components, types, and functions of plant leaves | 53.27%

    5) OB5 Describe the components, types, and functions of plant flowers (including seeds and fruit) | 44.99%

    7) OB7 Analyze the life cycle of plant growth/development from seed to seed (e.g., annual, biannual, perennial) | 40.92%

    8) OB8 Explain requirements necessary for photosynthesis to occur and identify the products and byproducts of photosynthesis | 43.35%

    9) OB9 Explain factors that affect cellular respiration and identify the products and byproducts of cellular respiration | 51.19%

  3) OC PROPAGATE, CULTURE AND HARVEST PLANTS AND PLANT PRODUCTS BASED ON CURRENT INDUSTRY STANDARDS | 45.62%

    2) OC2 Describe processes for servicing equipment according to

manufacturer's recommendations — 69.39%

3) OC3 Compare and contrast methods of plant propagation (e.g., tissue culture, grafting, layering, cutting, stolonizing) — 45.04%

4) OC4 Differentiate various watering technologies and methods — 65.63%

5) OC5 Determine proper techniques to control and manage plant growth through mechanical, cultural, and chemical means — 42.53%

8) OC8 Identify major local weeds, insect pests and infectious and noninfectious plant diseases in horticultural crops — 29.69%

9) OC9 Predict pest and diseases problems based on environmental conditions and life cycles — 35.89%

10) OC10 Outline pest control strategies associated with integrated pest management — 46.38%

11) OC11 Explain safe handling and application of chemicals — 53.5%

5) OE EFFECTIVELY UTILIZE BUSINESS/MARKETING STRATEGIES TO DEVELOP A SUCCESSFUL OPERATION — 49.58%

1) OE1 Discuss how imports and exports impact the horticulture markets in the US and abroad — 32.94%

2) OE2 Interpret how horticulture crop production varies based on geographic location within Kentucky and the US, and economic impact therein — 17.11%

3) OE3 Distinguish roles and responsibilities of state and federal government agencies as they impact horticulture businesses — 72.57%

4) OE4 Examine the impact of environmental issues on horticulture production (e.g., surface or ground water, government regulations, chemical residue, runoff, water testing) — 66.17%

5) OE5 Assess methods to determine target audience and products for a horticulture business — 93.2%

6) OE6 Outline the types of fixed and variable costs in horticulture production — 43.9%

7) OE7 Develop production, maintenance and harvest schedules for horticulture crops — 32.49%

Assessment: Hospitality Services

Standard Set: KOSSA Program Areas

Filters:

 • All Standards

 • Accumulating results

Number tested: 78

KOSSA Program Areas

– Hospitality Services | 55.54%

 1) OA CAREER PATHS WITHIN THE FACILITIES MANAGEMENT AND MAINTENANCE AREAS | 57.37%

  1) OA 1 Determine the roles and functions of individuals engaged in facilities management and maintenance careers | 62.82%

  2) OA 2 Explore opportunities for employment and entrepreneurial endeavors | 47.44%

  3) OA 3 Examine education and training requirements and opportunities for career paths in facilities management and maintenance | 56.41%

 2) OB PLANNING, ORGANIZING, AND MAINTAINING AN EFFICIENT HOUSEKEEPING OPERATION | 87.18%

  5) OB 5 Perform cleaning based on established standards | 87.18%

 3) OC SANITATION PROCEDURES FOR A CLEAN AND SAFE ENVIRONMENT | 54.49%

  2) OC 2 Examine the various types of cleaning methods and their environmental effects | 44.87%

  3) OC 3 Examine federal and state regulations regarding the handling, use, and storage of chemicals | 44.87%

  5) OC 5 Execute a pest control system appropriate for the facility | 64.1%

  7) OC 7 Apply the Americans with Disability Act (ADA) regulations | 64.1%

 4) OD HAZARDOUS MATERIALS AND WASTE MANAGEMENT PROCEDURES | 66.03%

  4) OD 4 Record hazardous situations accurately and communicate to appropriate authorities | 69.23%

  7) OD 7 Describe and explain chemical reactions related to contamination | 62.82%

 5) OE WORK ENVIRONMENT THAT PROVIDES SAFETY AND SECURITY | 56.84%

  3) OE 3 Demonstrate safe procedures in the use, care, and storage of equipment | 42.31%

  4) OE 4 Apply safety and security procedures as required by Occupational Safety and Health Administration (OSHA) and other agencies | 64.1%

 6) OF APPROPRIATE LAUNDERING PROCESSES | 72.44%

2) OF 2 Demonstrate laundry procedures — 72.44%

7) OG FACILITIES MANAGEMENT FUNCTIONS — 51.71%

1) OG 1 Demonstrate quality customer service which exceeds expectations — 55.13%

2) OG 2 Examine the elements involved in staff planning, recruiting, interviewing, and selecting of employees — 61.54%

6) OG 6 Apply principles of purchasing and receiving in facility management operations — 51.28%

7) OG 7 Implement inventory procedures and maintain receipts and disbursement records — 64.1%

8) OG 8 Apply accounting principles in planning and forecasting profit and loss — 33.33%

9) OG 9 Implement a marketing plan — 44.87%

8) OH CAREER PATH WITHIN THE HOSPITALITY, TOURISM, AND RECREATION INDUSTRIES — 55.64%

1) OH 1 Determine the roles and functions of individuals engaged in hospitality, tourism, and recreation careers — 62.82%

2) OH 2 Examine education and training requirements and opportunities for career paths in hospitality, tourism, and recreation — 75.64%

3) OH 3 Examine the impact of hospitality, tourism, and recreation occupations on local, state, national, and global economies — 60.26%

4) OH 4 Match employee responsibilities to employer expectations — 39.74%

9) OI PROCEDURES APPLIED TO SAFETY, SECURITY, AND ENVIRONMENTAL ISSUES — 50.43%

1) OI 1 Examine the importance of safety, security, and environmental issues related to the hospitality, tourism, and recreation industries — 41.03%

3) OI 3 Manage evacuation plans and emergency procedures — 58.97%

5) OI 5 Design a system for documenting and investigating reports related to safety, security, and environmental issues — 51.28%

10) OJ CONCEPTS OF SERVICE TO MEET CUSTOMER EXPECTATIONS — 64.96%

1) OJ 1 Practice service methods which exceed the expectations of customers — 84.62%

3) OJ 3 Employ strategies for resolving complaints — 46.15%

5) OJ 5 Measure the impact customer relations have on the needs of special populations — 64.1%

11) OK PRACTICES AND SKILLS INVOLVED IN LODGING OCCUPATIONS — 50.64%

1) OK 1 Demonstrate front desk skills — 57.69%

2) OK 2 Perform cash handling, accounting, and financial transactions — 55.13%

3) OK 3 Manage convention, meeting, and banquet support functions — 36.54%

4) OK 4 Apply basic skills in food and catering services — 44.87%

5) OK 5 Manage use, care, maintenance, and storage of equipment, tools, and supplies — 57.69%

7) OK 7 Apply time and work management to facility services tasks — 51.28%

8) OK 8 Perform appropriate work roles within the sales and marketing division — 65.38%

12) OL PRACTICES AND SKILLS FOR TRAVEL RELATED SERVICES — 52.75%

1) OL 1 Examine geography, climate, sites, and time zones of various regions and countries — 32.05%

2) OL 2 Examine customs of various regions and countries — 33.33%

3) OL 3 Inspect food, beverage, and etiquette for various regions and countries — 60.26%

4) OL 4 Assemble information needed for domestic and international travel — 51.92%

5) OL 5 Produce travel documents and itineraries — 69.87%

13) OM MANAGEMENT OF RECREATION, LEISURE, AND OTHER PROGRAMS AND EVENTS — 42.95%

2) OM 2 Design themes, time lines, budgets, agendas, and itineraries — 35.9%

5) OM 5 Demonstrate skills related to promoting and publicizing events — 50%

Assessment: Information Support & Services
Standard Set: KOSSA Program Areas
Filters:
 • All Standards
 • Accumulating results

Number tested: 308

KOSSA Program Areas

– INFORMATION SUPPORT AND SERVICES `63.84%`

    1) OA COMPUTER LITERACY `76.35%`

        8) OA 8 Explain the differences between a Web browser and a search engine `87.99%`

        14) OA 14 Discriminate between ethical and unethical uses of computers and information `67.21%`

        17) OA 17 Explain the impact of computers on society `80.84%`

        18) OA 18 Identify types of computers, platforms, and devices explaining how they process information and how individual computers interact with other computing systems and devices `71.75%`

        19) OA 19 Identify the function of computer hardware components `78.57%`

    2) OB INFORMATION TECHNOLOGY PROJECT MANAGEMENT `45.29%`

        3) OB 3 Identify target audience `48.21%`

        4) OB 4 Identify stakeholders and decision makers `29.55%`

        7) OB 7 Estimate time requirements `55.19%`

    3) OC COMPUTER MAINTENANCE ESSENTIALS `59.33%`

        1) OC 1 Identify the names, purpose, and characteristics of computer systems and peripheral devices (e.g., motherboards, expansion/adapter cards, processors, cooling systems, memory, storage devices, power supplies, input devices, cables, output devices) `59.42%`

        7) OC 7 Identify locations, purposes, and characteristics of operating system files `66.88%`

        8) OC 8 Create, view, and manage disks, directories, and files in operating systems `61.04%`

        9) OC 9 Identify tools, diagnostic procedures, and troubleshooting techniques for operating systems `44.48%`

        12) OC 12 Describe basic physical networking connectivity concepts (e.g., cables, connectors, connection types, network devices) `60.06%`

        13) OC 13 Install, configure, and troubleshoot network interfaces and manage wired/wireless connections `60.88%`

18) OC 18 Convert among decimal, binary, and hexadecimal number systems — 61.04%

4) OD ADVANCED COMPUTER MAINTENANCE — 60.71%

5) OD 5 Identify the steps to use appropriate tools, diagnostic procedures, and troubleshooting techniques to diagnose power conditions, video, keyboard, pointer, and network connectivity issues in portable devices (e.g., multimeters, anti-static devices, loopback plugs, specialty tools, cleaning products, cable testers) — 70.13%

6) OD 6 Use command line functions and utilities, including proper syntax, to manage and troubleshoot operating systems (e.g., msconfig, regedit, chkdsk) — 68.18%

8) OD 8 Demonstrate ability to recover operating systems — 44.16%

9) OD 9 Implement basic network components (e.g., server, switch, router, access point) — 40.26%

10) OD 10 Identify names, purposes, and characteristics of basic IP networks and terminologies (e.g. port identification, usage) — 80.84%

5) OE OPERATING SYSTEM SUPPORT — 70.62%

2) OE 2 Identify the steps to perform post installation configuration (e.g., user configuration, apply service packs) — 74.68%

3) OE 3 Answer end user questions related to upgrading from a previous version of an operating system — 69.81%

4) OE 4 Identify and troubleshoot system startup and user logon problems — 74.03%

5) OE 5 Identify the steps to monitor and analyze system performance — 78.9%

7) OE 7 Identify the steps to configure support for multiple languages or multiple locations — 59.09%

9) OE 9 Identify the steps to configure and troubleshoot end user systems using remote access — 67.21%

6) OF SMALL NETWORK SUPPORT — 40.42%

1) OF 1 Plan and install a home or small business network and connect it to the Internet — 18.51%

2) OF 2 Verify and troubleshoot network and Internet connectivity — 62.34%

7) OG APPLICATIONS SUPPORT — 70.06%

1) OG 1 Explain troubleshooting guidelines and tools to support users running applications — 58.77%

3) OG 3 Troubleshoot application installation and compatibility issues — 76.62%

6) OG 6 Troubleshoot issues related to personal information management — 81.49%

7) OG 7 Identify the steps to backup client email — 72.73%

8) OG 8 Identify the steps to configure and troubleshoot application access on

a network   60.71%

9) OI HELP DESK SERVICE SKILLS AND TOOLS   65.68%

   1) OI 1 Analyze the role of a help desk and customer service in an organization   89.29%

   2) OI 2 Describe different computer support roles (e.g., bench tech, field tech, telephone support)   80.19%

   3) OI 3 Describe technology trends and current issues such as virus outbreaks, virtual environment, cloud computing, and personal devices   85.06%

   4) OI 4 Communicate effectively with customers and co-workers   71.43%

   5) OI 5 Interact with customers over the telephone   51.95%

   7) OI 7 Demonstrate technical writing skills   39.94%

   8) OI 8 Resolve difficult situations in customer support   75%

   10) OI 10 Demonstrate personal, system, and stress management by using self-help tools   63.31%

   11) OI 11 Identify and utilize how best to use call management software   53.25%

   12) OI 12 Identify and utilize how best to use problem resolution software   11.04%

   14) OI 14 Identify and implement the steps to use alerts and notification tools for support   62.34%

   16) OI 16 Evaluate trends in hardware and software failures   76.3%

Assessment: Manufacturing

Standard Set: KOSSA Program Areas

Filters:
- All Standards
- Accumulating results

Number tested: 779

KOSSA Program Areas

– MANUFACTURING | 67.92%

    1) OA MATH AND MEASUREMENT | 42.6%

        2) OA 2 Match measurement activities to manufacturing processes | 46.43%

        3) OA 3 Select and use appropriate measurement techniques and instruments | 40.95%

        4) OA 4 Demonstrate proper general measurement techniques | 38.51%

    2) OB WORKPLACE SAFETY AND HEALTH | 75.24%

        1) OB 1 Complete forms and paperwork as required | 59.52%

        2) OB 2 Wear protective safety clothing as required | 79.14%

        3) OB 3 Maintain and use protective guards and equipment on machinery | 86.09%

        4) OB 4 Handle and store flammable materials appropriately | 78.9%

        5) OB 5 Use electrical devices correctly and safely | 68.38%

        6) OB 6 Prevent spontaneous ignition by practicing proper waste disposal habits | 73.3%

        7) OB 7 Keep marked aisles clear of equipment and materials | 68.29%

        8) OB 8 Interpret and display MSDS sheets as required | 78.18%

        9) OB 9 Operate equipment in a safe, prescribed manner | 81.39%

        10) OB 10 Follow established safety procedures when around machinery or equipment | 66.5%

        13) OB 13 Locate power shutoff controls for all machinery and equipment | 84.98%

        14) OB 14 Identify and report malfunctions to appropriate personnel | 56.74%
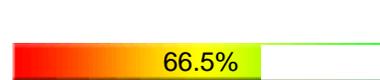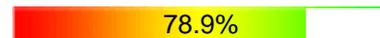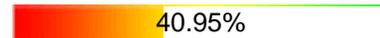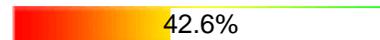
        18) OB 18 Respond to emergencies in the appropriate manner | 92.17%

    3) OC QUALITY ASSURANCE | 58.66%

        3) OC 3 Apply problem-solving system | 47.75%

        6) OC 6 Define international quality standards and systems such as ISO/QS 9000 | 69.58%

    4) OD BLUEPRINT READING | 60.51%

1) OD 1 Define basic blueprint terminology   58.24%

2) OD 2 Interpret commonly used abbreviations and terminology   56.31%

3) OD 3 Identify types of lines within a drawing   70.22%

5) OE WORKPLACE SKILLS   88.58%

1) OE 1 Demonstrate safe, careful use, treatment and maintenance of tools, equipment, and machines   88.58%

Assessment: Marketing

Standard Set: KOSSA Program Areas

Filters:

• All Standards

• Accumulating results

Number tested: 1222

KOSSA Program Areas

– MARKETING | 68.99%

    1) OA ECONOMIC PRINCIPLES | 59.53%

        7) OA 7 Determine the role of government (e.g., regulator, provider of services, competitor, supporter, protection agencies) in business | 71.85%

        9) OA 9 Identify factors (e.g., economics, human, nature) effecting a business's profit | 47.22%

    2) OB BUSINESS, MANAGEMENT, AND ENTREPRENEURIAL CONCEPTS | 69.1%

        1) OB 1 Explain the social responsibility (e.g., environmental issues, ethical decisions, community involvement) of business in society | 43.78%

        2) OB 2 Describe types of business activities (e.g., market research, financial analysis, marketing, human resources) | 79.95%

        3) OB 3 Explain the process of purchasing (e.g., information gathering, open-to-buy, selecting suppliers) | 69.15%

        5) OB 5 Calculate gross and net sales | 50.82%

        6) OB 6 Explain the role of management (e.g., planning, organizing, controlling) in business | 76.13%

        7) OB 7 Explain the use of various business records (i.e., income statement, balance sheet, sales records, employment records) | 70.62%

        8) OB 8 Analyze the types of business ownership (e.g., sole proprietorship, partnership, corporation) | 82%

        9) OB 9 Analyze the effect business trends have on decision making | 77.21%

        11) OB 11 Explain ways to handle business risk (i.e., risk prevention & control, risk transfer, risk retention, risk avoidance) | 68.41%

    3) OC CHANNEL MANAGEMENT | 62.47%

        1) OC 1 Differentiate between direct and indirect channels of distribution | 34.78%

        2) OC 2 Identify the channels of distribution members (e.g., manufacturer, wholesaler, retailer) | 62.03%

        4) OC 4 Identify, prepare, and explain the use of invoices | 81.18%

        5) OC 5 Explain the process and procedures of receiving merchandise (e.g.,

receiving, checking, marking) | 73.32%

6) OC 6 Explain the transportation systems and services used in distribution (e.g., motor, rail, water, air) | 61.05%

4) OD MARKETING INFORMATION MANAGEMENT | 78%

1) OD 1 Describe how marketing information is used in business decisions | 78%

5) OE FUNDAMENTAL MARKETING CONCEPTS | 65.4%

2) OE 2 Identify and describe the components of the marketing mix (ie, product, price, placement, promotion) | 55.65%

4) OE 4 Identify the characteristics of a target market | 58.18%

5) OE 5 Explain the concept of product mix | 62.52%

6) OE 6 Compare various pricing strategies and explain the goals of pricing | 59.41%

7) OE 7 Explain factors affecting pricing decision (e.g., cost, competition, economic factors) | 76.19%

8) OE 8 Explain the seven marketing functions (e.g., distribution, pricing, selling, promotion, product service management, marketing info management, financing) | 74.63%

6) OF ADVERTISING AND PROMOTION | 70.59%

1) OF 1 Explain the concept of branding | 78.56%

3) OF 3 Explain the role of promotion as a marketing function | 63.34%

5) OF 5 Identify the advantages and disadvantages of each type of advertising | 69.89%

7) OG SELLING | 70.78%

1) OG 1 Acquire and analyze product information (e.g., labels, manufacturer, product manuals) used in selling | 85.27%

4) OG 4 Identify methods of approaching (e.g., greeting, service, merchandise, combination) the customer | 67.1%

5) OG 5 Explain how to determine customer needs and expectations in selling process | 57.86%

8) OG 8 Explain techniques (e.g., boomerang, denial, demostration) used to convert customer/client objections into selling points | 69.39%

10) OG 10 Explain the methods and benefits of suggestion selling | 64.32%

11) OG 11 Identify the procedures of departure and follow-up (e.g., receipt, reassurance, thank you, phone calls, written correspondence) in the selling process | 67.02%

12) OG 12 Explain the role of customer service as a component of selling relationships | 77.99%

13) OG 13 Explain business ethics in selling | 80.85%

16) OG 16 Compare and contrast warranties and guarantees   59.98%

Assessment: Network Administration
Standard Set: KOSSA Program Areas
Filters:
 • All Standards
 • Accumulating results

Number tested: 193

KOSSA Program Areas

– NETWORK ADMINISTRATION | 62.55%

   1) OA COMPUTER LITERACY | 79.27%

      8) OA 8 Explain the differences between a Web browser and a search engine | 88.08%

      14) OA 14 Discriminate between ethical and unethical uses of computers and information | 68.39%

      17) OA 17 Explain the impact of computers on society | 86.01%

      18) OA 18 Identify types of computers, platforms, and devices explaining how they process information and how individual computers interact with other computing systems and devices | 76.68%

      19) OA 19 Identify the function of computer hardware components | 79.79%

   2) OB INFORMATION TECHNOLOGY PROJECT MANAGEMENT | 53.89%

      3) OB 3 Identify target audience | 57.77%

      4) OB 4 Identify stakeholders and decision makers | 39.38%

      7) OB 7 Estimate time requirements | 60.62%

   3) OC COMPUTER MAINTENANCE ESSENTIALS | 61.85%

      1) OC 1 Identify the names, purpose, and characteristics of computer systems and peripheral devices (e.g., motherboards, expansion/adapter cards, processors, cooling systems, memory, storage devices, power supplies, input devices, cables, output devices) | 69.43%

      7) OC 7 Identify locations, purposes, and characteristics of operating system files | 61.66%

      8) OC 8 Create, view, and manage disks, directories, and files in operating systems | 64.77%

      9) OC 9 Identify tools, diagnostic procedures, and troubleshooting techniques for operating systems | 44.56%

      12) OC 12 Describe basic physical networking connectivity concepts (e.g., cables, connectors, connection types, network devices) | 63.21%

      13) OC 13 Install, configure, and troubleshoot network interfaces and manage wired/wireless connections | 63.73%

18) OC 18 Convert among decimal, binary, and hexadecimal number systems — 63.73%

4) OD ADVANCED COMPUTER MAINTENANCE — 64.56%

5) OD 5 Identify the steps to use appropriate tools, diagnostic procedures, and troubleshooting techniques to diagnose power conditions, video, keyboard, pointer, and network connectivity issues in portable devices (e.g. multimeters, anti-static devices, loopback plugs, specialty tools, cleaning products, cable testers) — 66.84%

6) OD 6 Use command line functions and utilities, including proper syntax, to manage and troubleshoot operating systems (e.g., msconfig, regedit, chkdsk) — 79.27%

8) OD 8 Demonstrate ability to recover operating systems — 43.52%

9) OD 9 Identify and implement basic network components (e.g., server, switch, router, access point) — 45.08%

10) OD 10 Identify names, purposes, and characteristics of basic IP networks and terminologies (e.g. port identification, usage) — 88.08%

5) OE OPERATING SYSTEM SUPPORT — 71.42%

2) OE 2 Identify the steps to perform post installation configuration (e.g., user configuration, apply service packs) — 72.02%

3) OE 3 Answer end user questions related to upgrading from a previous version of an operating system — 79.79%

4) OE 4 Identify and troubleshoot system startup and user logon problems — 69.95%

5) OE 5 Identify the steps to monitor and analyze system performance — 84.97%

7) OE 7 Identify the steps to configure support for multiple languages or multiple locations — 59.07%

9) OE 9 Identify the steps to configure and troubleshoot end user systems using remote access — 62.69%

6) OF SMALL NETWORK SUPPORT — 44.82%

1) OF 1 Plan and install a home or small business network and connect it to the Internet — 19.17%

2) OF 2 Verify and troubleshoot network and Internet connectivity — 70.47%

7) OG APPLICATIONS SUPPORT — 72.64%

1) OG 1 Explain troubleshooting guidelines and tools to support users running applications — 62.18%

3) OG 3 Troubleshoot application installation and compatibility issues — 75.13%

6) OG 6 Troubleshoot issues related to personal information management — 89.64%

7) OG 7 Identify the steps to backup client email — 73.06%

8) OG 8 Identify the steps to configure and troubleshoot application access on

a network   **63.21%**

9) OI   NETWORKING FUNDAMENTALS   **51.9%**

5) OI 5 Describe and compare the protocols, services, and functions provided in the OSI and TCP/IP models and describe how each layer operates in various networks (encapsulation)   **35.49%**

8) OI 8 Demonstrate understanding of basic network structure and physical/logical topologies   **31.09%**

9) OI 9 Describe the characteristics of networking media types and connectors   **60.62%**

11) OI 11 Differentiate between network protocols in terms of routing, addressing schemes, interoperability, and naming conventions   **37.82%**

12) OI 12 Identify the components and structure of IP (Internet Protocol) addressing and the required settings for connections across the Internet including classful address ranges, public/private addressing, and subnet masks   **48.7%**

13) OI 13 Identify the well-known ports associated with commonly used services and protocols   **59.07%**

14) OI 14 Identify the basic characteristics of WAN and remote access technologies   **67.88%**

17) OI 17 Define the basic purposes and capabilities of firewalls, proxy servers, VLANs, extranets, and intranets   **70.47%**

19) OI 19 Identify good practices to ensure network security including antivirus software an authentication mechanisms   **60.62%**

20) OI 20 Use the appropriate TCP/IP utilities to test, validate, and troubleshoot IP connectivity (e.g. Ping, tracenet, IP config, MBstat, Netstat)   **84.46%**

10) OJ   ROUTING PROTOCOLS AND CONCEPTS   **45.6%**

5) OJ 5   Identify and troubleshoot errors that occur in small routed networks   **45.6%**

12) OL   LAN SWITCHING AND WIRELESS   **68.91%**

5) OL 5 Describe standards associated with wireless media, such as IEEE WI-FI Alliance, ITU/FCC, A, B, G, N standards   **68.91%**

Assessment: Production Crop

Standard Set: KOSSA Program Areas

Filters:

- All Standards
- Accumulating results

Number tested: 21

KOSSA Program Areas

– Production Crop | 62.38%

  1) OA BASIC PLANT SCIENCE CONCEPTS AND SKILLS | 53.81%

    7) OA 7 Utilize appropriate variety selection techniques | 57.14%

    8) OA 8 Demonstrate ability to read and utilize seed tag information | 45.24%

    9) OA 9 Demonstrate acceptable agronomic practices (e.g., seeding rates, plant spacing, planting dates) | 28.57%

    10) OA 10 Identify appropriate seed bed preparation techniques (e.g., no-till, conventional-till, rotations) | 95.24%

    11) OA 11 Identify appropriate techniques for harvesting and storage of crops | 40.48%

    12) OA 12 Understand plant growth requirements | 78.57%

  2) OB INDUSTRY RESOURCES | 58.73%

    1) OB 1 Apply use of related electronic technology (e.g., email, computer applications, GPS, precision farming) | 76.19%

    2) OB 2 Interpret the input of local, state, national, and international economy to production agriculture | 14.29%

    3) OB 3 Maintain awareness of current trends in production agriculture through industry associations, trade journals, and Internet resources | 85.71%

  3) OC FARM BUSINESS MANAGEMENT PRACTICES | 73.02%

    1) OC 1 Apply effective record keeping skills including financial records | 52.38%

    2) OC 2 Demonstrate knowledge of budgeting and cash flow | 71.43%

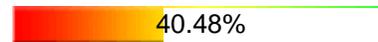   3) OC 3 Understand requirements and sources of credit | 85.71%

    4) OC 4 Understand procedures related to buying, leasing, and renting land and/or equipment | 61.9%

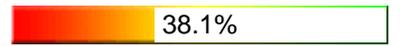   5) OC 5 Understand issues related to tax records and filing taxes | 95.24%

  4) OD MARKETING AND SALES STRATEGIES | 71.43%

    1) OD 1 Maintain an awareness of world trade issues (e.g., GMOs, drought, trade agreements) | 52.38%

    2) OD 2 Maintain an awareness of strategies relating to futures, forward cash

contracts, and storage — 85.71%

4) OD 4 Explore marketing resources (e.g., marketing clubs, extension programs, brokers, consultants) — 76.19%

5) OE AGRICULTURAL MATHEMATICS SKILLS — 45.24%

1) OE 1 Calculate break-even prices — 33.33%

3) OE 3 Calculate area and volume measurements (e.g., acreage, storage, stocking) — 76.19%

4) OE 4 Calculate fertilizer analysis — 26.19%

7) OG MONITOR AND CONTROL HEALTH, DISEASES, AND PESTS — 63.1%

1) OG 1 Demonstrate effective pest management practices — 90.48%

2) OG 2 Recognize common plant diseases — 28.57%

3) OG 3 Apply appropriate prevention techniques and treatments of plant diseases — 76.19%

4) OG 4 Utilize understanding of plant nutrition in the management and prevention of diseases — 57.14%

8) OH APPROPRIATE PRODUCTION TECHNIQUES — 52.38%

1) OH 1 Utilize appropriate production techniques for crops (e.g., corn, soybeans, tobacco, forage) — 52.38%

9) OI MANAGEMENT SAFETY PRACTICES — 80.95%

1) OI 1 Follow anti-theft and security procedures — 97.62%

2) OI 2 Identify hazardous substances in the workplace — 80.95%

3) OI 3 Identify immediate and real cost of an accident — 47.62%

10) OJ GOVERNMENT AND LEGAL ISSUES — 85.71%

2) OJ 2 Demonstrate an understanding of agricultural law (e.g., border disputes, incorporation, liability issues, injury claims, attractive nuisance, farming in populated areas) — 85.71%

11) OK INDUSTRY-RELATED TERMINOLOGY AND IDENTIFICATION SYSTEMS — 70.24%

1) OK 1 Identify common agronomic plants, grains, feeds, and seeds — 85.71%

3) OK 3 Use appropriate agricultural terminology — 65.08%

13) OM BEST MANAGEMENT PRACTICES AS RELATES TO AGRICULTURAL ENVIRONMENTAL ISSUES — 58.73%

1) OM 1 Utilize appropriate soil conservation practices — 95.24%

2) OM 2 Identify and apply appropriate water conservation practices — 28.57%

3) OM 3 Analyze and enhance soil fertility — 66.67%

4) OM 4 Assess fertilizer and pesticide applications   38.1%

Assessment: Retail Services

Standard Set: KOSSA Program Areas

Filters:

• All Standards

• Accumulating results

Number tested: 233

KOSSA Program Areas

– RETAIL SERVICES   66.54%

   1) OA ECONOMIC PRINCIPLES AND CONCEPTS   60.23%

      5) OA 5 Explain the principles of supply and demand   57.94%

      6) OA 6 Compare various pricing strategies and explain the goals of pricing   78.97%

      10) OA 10 Identify factors (e.g., economics, human, nature) effecting a businesss profit   48.5%

      13) OA 13 Explain the concept of productivity   60.09%

   2) OB CUSTOMER SERVICE RELATIONS   64.81%

      1) OB 1 Compare and contrast warranties/guarantees   52.36%

      2) OB 2 Explain the rationale for various company return policies   64.81%

      5) OB 5 Explain the purpose and procedures for special orders   70.39%

      8) OB 8 Convert phone calls into sales   84.12%

   3) OC ADVERTISING AND PROMOTION   69.53%

      1) OC 1 Identify the impact of advertising and promotions on sales   68.88%

      2) OC 2 Identify various forms of sales promotion (e.g., sweep stakes, coupons, contests, specialty products)   84.55%

      3) OC 3 Initiate/create special promotions   67.6%

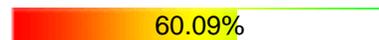   7) OC 7 Identify the purpose and types of visual merchandising (e.g., open, closed, room-setting, point-of-sale)   59.66%

   4) OD SELLING   64.29%

      1) OD 1 Acquire and analyze product information (e.g., labels, manufacturer, product manuals) used in selling   70.99%

      2) OD 2 Explain the steps of the selling process (e.g., approach, determine needs/wants, present product)   53.22%

      6) OD 6 Identify and demonstrate product features/benefits to match customer needs   78.54%

      8) OD 8 Explain techniques (e.g., boomerang, denial, demonstration) used to convert customer/client objections into selling points   48.07%

10) OD 10 Explain the methods and benefits of suggestion selling — 60.52%

11) OD 11 Identify the procedures of departure and follow-up (e.g., receipt, reassurance, thank you, phone calls, written correspondence) in the selling process — 69.96%

18) OD 18 Explain proper procedures for packing merchandise — 63.09%

5) OE STOCK HANDLING AND INVENTORY CONTROL — 67.92%

1) OE 1 Explain the process and procedures of receiving merchandise (e.g., receiving, checking, marking) — 52.79%

3) OE 3 Describe stock and re-stock procedures (e.g., LIFO, FIFO, rotation) for merchandise and operating supplies — 68.1%

4) OE 4 Compare and contrast inventory processes (i.e., physical or perpetual) — 81.97%

6) OF INVENTORY MANAGEMENT — 70.92%

2) OF 2 Explain the procedures for returning inventory to manufacturer/vendor — 79.4%

3) OF 3 Initiate and/or respond to requests for merchandise transfer — 62.45%

7) OG LOSS PREVENTION — 73.56%

1) OG 1 Identify the importance of loss prevention and its effect on business — 59.66%

2) OG 2 Describe loss prevention methods (e.g., security cameras, ink tags) — 57.08%

3) OG 3 Explain stock shrinkages and the importance of reporting — 83.91%

5) OG 5 Demonstrate the ability to follow store policy regarding security violations (e.g., shoplifting, pilferage, fraud) — 83.26%

Assessment: Transportation

Standard Set: KOSSA Program Areas

Filters:

• All Standards

• Accumulating results

Number tested: 204

KOSSA Program Areas

– TRANSPORTATION `63.15%`

    1) OA COMMUNICATION AND TEAMWORK `75%`
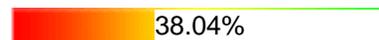
        1) OA 1 Apply principles of interpersonal skills and team work to transportation situations `75%`

    2) OB MATH AND MEASUREMENT `45.38%`

        1) OB 1 Create and interpret basic graphs and charts commonly used in transportation accurately `38.04%`

        3) OB 3 Demonstrate proper general measurement techniques `68.63%`

        4) OB 4 Demonstrate competencies in technical mathematics and in the use of applicable measuring tools and techniques `58.82%`

    3) OC WORKPLACE SAFETY AND HEALTH `75.98%`

        2) OC 2 Wear protective safety clothing as required `84.8%`

        3) OC 3 Maintain and use protective guards and equipment on machinery `76.72%`

        4) OC 4 Identify, handle, and store flammable and hazardous materials appropriately `72.55%`

        5) OC 5 Use electrical devices correctly and safely `50%`

        7) OC 7 Keep aisles clear of equipment and materials `74.75%`

        8) OC 8 Read and apply MSDS sheets `63.24%`

        9) OC 9 Operate equipment in a safe prescribed manner `80.88%`

        10) OC 10 Follow established safety procedures when around machinery or equipment `76.96%`

        12) OC 12 Operate hand tools in a safe prescribed manner `84.31%`

        13) OC 13 Know location of power shut off controls for all machinery and equipment `83.33%`

        14) OC 14 Report safety malfunctions to appropriate personnel `89.71%`

        15) OC 15 Inspect material, equipment, and fixtures to determine defects `82.84%`

        16) OC 16 Determine weight and operating limits of equipment `74.02%`

17) OC 17 Perform periodic checks during operation to assure proper function — 78.43%

20) OC 20 Demonstrate the ability to apply continuous quality improvement to transportation processes — 66.67%

4) OD PROBLEM SOLVING — 66.18%

2) OD 2 Determine causes of the problem — 81.37%

3) OD 3 Apply problem-solving system — 50.98%

5) OE QUALITY ASSURANCE — 57.11%

1) OE 1 Demonstrate compliance with manufacturers required specifications and/or industry standards — 78.92%

2) OE 2 Identify how quality control systems influence specific transportation activities — 35.29%

6) OF OPERATION, MAINTENANCE, & SERVICE PUBLICATION — 44.44%

1) OF 1 Read and interpret operation, maintenance, and service publications and drawings — 32.6%

2) OF 2 Interpret commonly used abbreviations and terminology — 68.14%

7) OG BUSINESS ENVIRONMENT AND OPERATION — 55.88%

1) OG 1 Identify opportunities for profit in transportation processes — 63.73%

2) OG 2 Identify possible barriers to profit in transportation process — 84.8%

4) OG 4 Define the term value added related to transportation process — 41.67%

5) OG 5 Identify steps within transportation processes that determine cost — 33.33%

8) OH WORKPLACE SKILLS — 74.02%

3) OH 3 Demonstrate the ability to troubleshoot, diagnose, service, inspect, and/or verify a transportation concern — 74.02%

9) OI LEARNING SKILLS — 75%

2) OI 2 Demonstrate ability to learn new process steps — 79.41%

4) OI 4 Read process instructions and implement appropriate steps — 70.59%

10) OJ TRANSPORTATION FUNDAMENTALS — 52.29%

1) OJ 1 Identify a variety of common tools and/or equipment — 62.25%

2) OJ 2 Describe the function of specific tools and/or equipment — 49.51%

3) OJ 3 Interpret transportation resources to determine appropriate tool and/or equipment usage — 45.1%

11) OK COMPUTER USE — 45.1%

3) OK 3 Identify factors that determine inventory demand — 45.1%

12) OL SCIENCE   57.35%

    1) OL 1 Describe the internal combustion engine cycle   68.63%

    2) OL 2 Apply Ohms law   31.37%

    4) OL 4 Describe the principle of basic hydraulics and pneumatics   55.39%

    5) OL 5 Describe hand tools as simple machines   74.02%

Assessment: Web Development/Administration

Standard Set: KOSSA Program Areas

Filters:
- All Standards
- Accumulating results

Number tested: 206

KOSSA Program Areas

– WEB DEVELOPMENT/ADMINISTRATION — 61.42%

    1) OA COMPUTER LITERACY — 78.56%

        8) OA 8 Explain the differences between a Web browser and a search engine — 86.89%

        14) OA 14 Discriminate between ethical and unethical uses of computers and information — 67.96%

        17) OA 17 Explain the impact of computers on society — 86.89%

        18) OA 18 Identify types of computers, platforms, and devices explaining how they process information and how individual computers interact with other computing systems and devices — 82.04%

        19) OA 19 Identify the function of computer hardware components — 65.53%

    2) OB INFORMATION TECHNOLOGY PROJECT MANAGEMENT — 53.4%

        3) OB 3 Identify target audience — 60.68%

        4) OB 4 Identify stakeholders and decision makers — 31.55%

        7) OB 7 Estimate time requirements — 60.68%

    3) OC WEB DESIGN FUNDAMENTALS — 62.6%

        1) OC 1 Define basic web design vocabulary — 65.05%

        4) OC 4 Apply principles of design, (e.g., color theory and schemes, proximity, alignment, repetition, web graphics, optimization, typography) identify technical contraints, and create sample designs showing placement of buttons/navigational graphics and suggested color scheme — 51.94%

        8) OC 8 Define and create storyboards/thumbnails — 68.93%

        9) OC 9 Demonstrate web site accessibility and device standards such as 508 (The legislation referred to as "Section 508" is actually an amendment to the Workforce Rehabilitation Act of 1973. The amendment was signed into law by President Clinton on August 7, 1998. Section 508 requires that electronic and information technology that is developed by or purchased by the Federal Agencies be accessible by people with disabilities. The 1986 version of Section 508 established non-binding guidelines for technology accessibility while the 1998 version created binding, enforceable standards that are incorporated into the Federal Procurement process. In addition to providing for enforceable standards, the amended Section 508 established a complaint

procedure and reporting requirements, which further strengthen the law.   **50.97%**

13) OC 13 Identify industry standard tags   **55.58%**

15) OC 15 Demonstrate basic coding of Hypertext Mark-up Language (HTML) and multiple HTML areas   **79.13%**

18) OC 18 Explain the pros and cons of web editors   **88.83%**

19) OC 19 Identify the use of tables in a web document   **65.05%**

23) OC 23 Demonstate knowledge of CSS and use appropriate CSS techniques   **41.02%**

4) OD ADVANCED INTERACTIVE DESIGN   **56.39%**

1) OD 1 Identify web animation techniques   **77.67%**

3) OD 3 List procedures to capture digital video using a video camera   **44.17%**

4) OD 4 Describe techniques to edit and enhance digital video   **89.81%**

5) OD 5 Identfy web navigation standards (e.g., consistent, functioning, heirarchy)   **35.76%**

6) OD 6 Identify methods for incorporating and creating media for use on websites   **68.45%**

9) OD 9 Identify common file types and link these to the web document to add external images, sound, and video   **96.12%**

10) OD 10 Identify unique characteristics between HTML and other web based languages such as XML and XHTML   **50%**

12) OD 12 Compare and contrast client-side or server-side scripting as appropriate for a particular application   **44.42%**

14) OD 14 Characterize interactive elements of a website   **66.02%**

15) OD 15 Identify the characteristics of a secure web page   **61.89%**

16) OD 16 Identify characteristics of ethical user behavior   **72.33%**

20) OD 20 Collect and analyze usage statistics   **48.06%**

21) OD 21 Publicize a web design site and submit announcements to major search engines   **21.36%**

22) OD 22 Demonstrate knowledge of the quality assurance process, standards/requirements for QA, develop team relationships to support QA tasks, and perform quality assurance tasks to produce a quality product   **33.5%**

23) OD 23 Demonstrate knowledge of how to use advanced communication protocols by having your own web server over using a hosting company   **83.98%**

Assessment: Welding
Standard Set: KOSSA Program Areas
Filters:
 • All Standards
 • Accumulating results

Number tested: 989

KOSSA Program Areas

– Welding | 53.92%

   1) OA SAFETY AND HEALTH OF WELDERS | 60.06%

      2) OA2 Demonstrates proper safe operation practices in the work area. | 62.99%

      7) OA7 Demonstrates proper inspection and operation of equipment used for each welding and thermal cutting process. | 57.13%

   2) OB DRAWING AND WELDING SYMBOL INTERPRETATION | 60.42%

      1) OB1 Interprets basic elements of a drawing or sketch. | 62.41%

      2) OB2 Interprets welding symbol information. | 57.76%

      3) OB3 Fabricates parts from a drawing or sketch. | 61.31%

   3) OC SHIELDED METAL ARC WELDING (SMAW) | 59.38%

      1) OC1 Performs safety inspections of SMAW equipment and accessories. | 71.28%

      3) OC3 Sets up for SMAW operations on carbon steel. | 73%

      4) OC4 Operates SMAW equipment on carbon steel. | 60.97%

      5) OC5 Makes fillet weld in all positions on carbon steel. | 36.6%

      6) OC6 Makes groove welds, in all positions, on carbon steel. | 52.98%

   4) OD GAS METAL ARC WELDING (GMAW-S, GMAW spray transfer) | 70.98%

      3) OD3 Short Circuiting Transfer: Sets up for GMAW-S operations on carbon steel. | 70.98%
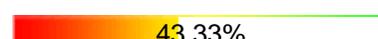
   5) OE FLUX CORED ARC WELDING (FCAW-G/GM, FCAW-S) | 30.74%
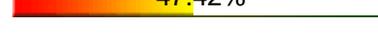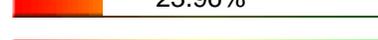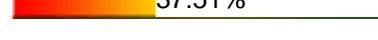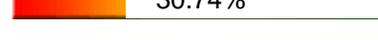
      5) OE5 Gas Shielded: Makes fillet welds in all positions on carbon steel. | 37.51%

      10) OE10 Self-Shielded: Makes groove welds in all positions on carbon steel. | 23.96%

   7) OG MANUAL OXYFUEL GAS CUTTING (OFC) | 47.42%

      1) OG1 Performs safety inspections of manual OFC equipment and accessories. | 43.33%

      2) OG2 Makes minor external repairs to manual OFC equipment and accessories. | 67.44%

3) OG3 Sets up for manual OFC operations on carbon steel. `49.04%`

4) OG4 Operates manual OFC equipment on carbon steel. `74.22%`

5) OG5 Performs straight, square edge cutting operations, in the flat position, on carbon steel. `28.97%`

9) OI MANUAL PLASMA ARC CUTTING (PAC) `50.69%`

1) OI1 Performs safety inspections of manual PAC equipment and accessories. `66.03%`

3) OI3 Sets up for manual PAC operations on carbon steel, austenitic stainless steel, and aluminum. `43.02%`

11) OK WELDING INSPECTION AND TESTING `45.26%`

1) OK1 Examines cut surfaces and edges of prepared base metal parts. `31.65%`

2) OK2 Examines tacks, root passes, intermediate layers, and completed welds. `48.66%`