

Irrigation Technologist Skill Standards Template B

A1. DETERMINE CROP OR CROPPING SEQUENCE

PERFORMANCE INDICATORS

How do we know when the task is performed well?

- ~~All crops grown in area are considered.~~
- ~~Market viability of all potential crops is accurately assessed.~~
- ~~Recommendation is made to client based on market analysis and individual field conditions.~~
- ~~Final cropping decision is made by client.~~

TECHNICAL KNOWLEDGE

Skills, Abilities, Tools

- ~~Knowledge of growing conditions and growing requirements of local crops.~~
- ~~Knowledge of access to local agricultural markets.~~
- ~~Ability to match crops with area conditions.~~
- ~~Ability to assess field conditions.~~
- ~~Ability to assist client in cropping decision.~~
- ~~Ability to convert numerical data.~~

EMPLOYABILITY SKILLS

Academic & SCANS Skills and Personal Qualities

- ~~Ability to generate and evaluate alternative solutions and predict outcomes based on experience/prior knowledge.~~
- ~~Ability to recognize and respond to client needs.~~
- ~~Ability to demonstrate commitment to client.~~
- ~~Ability to present basic information and concepts to client.~~

A12. ASSESS SOIL, TOPOGRAPHY, WEATHER & WATER AVAILABILITY

PERFORMANCE INDICATORS

How do we know when the task is performed well?

- ~~All water rights are processed and documented.~~
- Climatologically evaluation is complete and accurate.
- Sources to evaluate soil and topography are compiled and cross checked.
- Field inspections verify gathered information is accurate.

TECHNICAL KNOWLEDGE

Skills, Abilities, Tools

- Knowledge of soils' water holding capacity and infiltration rates.
- Knowledge of topography and map reading.
- Knowledge of area weather patterns and ability to gather weather data.
- Ability to evaluate properties for future crops.
- ~~Ability to research water rights.~~
- Ability to recognize possible field obstacles and interferences.

EMPLOYABILITY SKILLS

Academic & SCANS Skills and Personal Qualities

- Ability to obtain, analyzes, and integrates multiple items of relevant data.
- Ability to use logic to draw conclusions.

- Ability to follow rules and procedures.

A23. SELECT IRRIGATION SYSTEM

PERFORMANCE INDICATORS

How do we know when the task is performed well?

- All viable irrigation systems are evaluated.
- All cropping practices are included in decision making process.
- System recommendation and/or options presented to client are in client's best interest.
- Client makes final system selection.

TECHNICAL KNOWLEDGE

Skills, Abilities, Tools

- Knowledge of crops and cropping practices.
- Knowledge of irrigation systems.
- Knowledge of advantages and disadvantages of various irrigation systems.
- Ability to determine best system for client's farming practices.

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EMPLOYABILITY SKILLS

Academic & SCANS Skills and Personal Qualities

- Ability to recognize and respond to client needs.
- Ability to demonstrate commitment to client.
- Ability to present basic information and concepts to client.
- Ability to evaluate alternative solutions.
- Knowledge of hydraulics.
- Knowledge of electricity.

A34. DEVELOP IRRIGATION SYSTEM LAYOUT

PERFORMANCE INDICATORS

How do we know when the task is performed well?

- Sprinkler/emitter spacing is done according to industry standards for the crop and region.
- Lateral layout matches sprinkler/emitter spacing.
- Main line is located and sized to supply optimum water to laterals.
- Pumps and valving are located to supply water to main lines and laterals at appropriate time, pressure, and volume.
- An accurate and scaled as built blueprint of system layout is provided to client.

TECHNICAL KNOWLEDGE

Skills, Abilities, Tools

- Knowledge of irrigation systems and components.
- Ability to match up components to create a complete system.
- Ability to draft a blueprint by hand and with computer aided drafting (CAD) software.
- Ability to calculate pump, valve and pipe sizes.
- Ability to apply irrigation design principles.

EMPLOYABILITY SKILLS

Academic & SCANS Skills and Personal Qualities

- Ability to analyze/assess/evaluate numerical data.

- Ability to formulate new ideas/plans/approaches.
- Ability to apply creative solutions to new situations.
- Ability to generate and evaluate alternative solutions.
- Ability to create original documents.
- Knowledge of hydraulics.

B1. PERFORM PRECONSTRUCTION WALK-THROUGH

PERFORMANCE INDICATORS

How do we know when the task is performed well?

- All plans are consolidated and cross-referenced.
- Site is inspected and all potential problems, safety risks, concerns, and scheduling factors are correctly identified.
- Installation schedule and procedures are established and contractor and client agreement are obtained.

TECHNICAL KNOWLEDGE

Skills, Abilities, Tools

- Knowledge of irrigation installation procedures.
- ~~Knowledge of site inspection procedures.~~
- Knowledge of safety inspection procedures.

EMPLOYABILITY SKILLS

Academic & SCANS Skills and Personal Qualities

- Knowledge of topography.
- Ability to read blueprints.
- Ability to prepare and organize multiple schedules.
- Ability to coordinate and work with various service providers.
- Analyzes situation.
- Analyzes and distributes work assignments.

B2. MARK FIELD LOCATION OF ALL SYSTEM COMPONENTS

PERFORMANCE INDICATORS

How do we know when the task is performed well?

- Field location marks are placed in accordance to engineering plans.
- System fits the property as designed.

TECHNICAL KNOWLEDGE

Skills, Abilities, Tools

- Ability to utilize survey equipment to establish ~~property boundaries and~~ irrigation equipment locations.
- Knowledge of irrigation systems and components.
- ~~Ability to locate property boundaries.~~

EMPLOYABILITY SKILLS

Academic & SCANS Skills and Personal Qualities

- Ability to follow set of instructions.
- Ability to read and interpret blueprints.
- Ability to operate survey, GPS, and other technical equipment.

B3. STAGE THE JOB

PERFORMANCE INDICATORS

How do we know when the task is performed well?

- ~~Effective delivery schedules for components are established and delivery of components is documented as they arrive on-site.~~
- ~~Sub contractors are effectively scheduled.~~

TECHNICAL KNOWLEDGE

Skills, Abilities, Tools

- ~~Knowledge of irrigation components.~~
- ~~Knowledge of heavy equipment operation.~~
- ~~Knowledge of vendors and the services they provide.~~

EMPLOYABILITY SKILLS

Academic & SCANS Skills and Personal Qualities

- ~~Ability to generate installation plan.~~
- ~~Ability to set realistic goals.~~
- ~~Ability to monitor safe and efficient utilization of materials.~~
- ~~Ability to coordinate, acquisition, storage and distribution of materials.~~
- ~~Ability to communicate clearly with vendors.~~
- ~~Ability to manage timelines.~~

B34. INSTALL WATER SUPPLY

PERFORMANCE INDICATORS

How do we know when the task is performed well?

- ~~The development of water supply is monitored and e~~Compliance with government regulations and design parameters is verified.
- The building of pumping platform is properly monitored to verify that construction meets industry standards.
- The installation of pump(s), valve(s), and necessary electrical equipment is properly monitored to verify that installation meets industry standards.
- ~~All work is performed in a timely manner in accordance with the installation schedule.~~

TECHNICAL KNOWLEDGE

Skills, Abilities, Tools

- Knowledge of water sources.
- Knowledge of pumps.
- Knowledge of electricity.
- Knowledge of government regulations.
- Ability to use hand tools safely and correctly.

EMPLOYABILITY SKILLS

Academic & SCANS Skills and Personal Qualities

- ~~Ability to present basic ideas and information.~~
- ~~Ability to apply principles to situation.~~
- ~~Ability to formulate plan of action.~~
- ~~Ability to monitor work performance.~~
- Ability to read blueprints.
- ~~Ability to manage timeline.~~
- Knowledge of hydraulic principles.

B45. INSTALL UNDERGROUND EQUIPMENT

PERFORMANCE INDICATORS

How do we know when the task is performed well?

- Installation of pipe, valves, and wire is ~~properly monitored to verify that installation is~~ at proper location and depth according to design specifications.
- Pipe, valves, and wire are in proper operating condition in accordance with industry and government standards.
- All work is performed in a safe and timely manner in accordance with the installation schedule.

TECHNICAL KNOWLEDGE

Skills, Abilities, Tools

- Knowledge ~~of government design~~ specifications.
- Knowledge of and ability to locate manufacturers' specifications.
- Knowledge of safe construction/excavating equipment operation.
- ~~Knowledge of irrigation components (pipe, valve).~~
- Knowledge of safety procedures involved in digging and trench work.

EMPLOYABILITY SKILLS

Academic & SCANS Skills and Personal Qualities

- ~~Ability to present basic ideas and information.~~
- ~~Ability to apply principles to situations.~~
- Ability to comply with all safety procedures.
- Ability to formulate plan of action.
- Ability to read blueprints.
- Ability to monitor work performance.
- Ability to manage timeline.
- Ability to follow set of instructions.

B56. ASSEMBLE OR INSTALL ABOVE GROUND EQUIPMENT

PERFORMANCE INDICATORS

How do we know when the task is performed well?

- Installation of pipe, valves, electrical controls and sprinklers according to design specifications ~~is monitored to verify that installation~~ is in the proper location.
- Pipe, valves, electrical controls and sprinklers are in proper operating condition in accordance to industry and government standards.
- All work is performed in a safe and timely manner in accordance with the installation schedule.

TECHNICAL KNOWLEDGE

Skills, Abilities, Tools

- Knowledge of ~~government~~design specifications.
- Knowledge of and ability to locate manufacturers' specifications.
- Knowledge of safe construction equipment operation.
- Knowledge of irrigation components.

EMPLOYABILITY SKILLS

Academic & SCANS Skills and Personal Qualities

- Ability to present basic ideas and information.
- Ability to apply principles to situation.
- Ability to formulate plan of action.
- Ability to monitor work performance.
- Ability to read blueprints.
- Ability to manage timeline.
- Ability to follow set of instructions.

B67. TEST SYSTEM

PERFORMANCE INDICATORS

How do we know when the task is performed well?

- ~~Electrical system operates at proper voltage and amperage.~~
- Valves and controls operate to ~~manufacturers'~~design specifications.
- All piping ~~has structural integrity and delivers water~~operates at proper flow and pressure.
- All sprinklers perform to ~~manufacturers'~~design specifications.
- ~~Equipment is operated safely and in proper sequence.~~
- ~~Hydrostatic pressure test is conducted if necessary.~~

TECHNICAL KNOWLEDGE

Skills, Abilities, Tools

- Knowledge of electricity.
- Knowledge of water hydraulics.
- Knowledge of irrigation components.
- Knowledge of start-up procedures.
- Ability to safely use irrigation testing equipment.
- Ability to interpret technical manuals.
- Ability to operate irrigation equipment.

EMPLOYABILITY SKILLS

Academic & SCANS Skills and Personal Qualities

- Ability to interpret information and data.
- Ability to visually analyze relationship between parts and the whole.
- Ability to use logic to draw conclusions.
- Ability to monitor system performance.

C1. OPERATE SYSTEM

PERFORMANCE INDICATORS

How do we know when the task is performed well?

- Correct operating procedures are adhered to according to manufacturers' specifications.
- ~~The system is operated safely.~~
- The system is operated to maximize water use efficiency.
- Irrigation schedule is properly followed.

TECHNICAL KNOWLEDGE

Skills, Abilities, Tools

- Knowledge of irrigation systems and their components.
- Knowledge of electricity.
- Knowledge of crop water demands.
- Ability to locate reliable and current sources of information.
- Understanding of safety issues and precautions necessary for operating irrigation systems.
- ~~Ability to recognize when system is operating as designed.~~
- Ability to recognize when system is not operating as designed.

EMPLOYABILITY SKILLS

Academic & SCANS Skills and Personal Qualities

- Ability to select appropriate sources of information and follow set of instructions.
- Ability to monitor system performance.
- Ability to understand system operations and judge system effectiveness/efficiency.
- Knowledge of water hydraulics.

C2. MONITOR CROPS AND SOIL FOR IRRIGATION SCHEDULE

PERFORMANCE INDICATORS

How do we know when the task is performed well?

- Appropriate procedures for gathering crop and soil samples are followed.
- ~~Moisture level of samples is accurately evaluated.~~
- Information is accurately recorded in a timely manner.

TECHNICAL KNOWLEDGE

Skills, Abilities, Tools

- Knowledge of soil moisture and crop monitoring.
- Understanding of soil moisture and crop monitoring techniques.
- Ability to use various instruments and methods to measure soil and crop moistures.
- Knowledge of technical terms and industry jargon.
- ~~Ability to observe factors that may affect accurate sample collecting.~~
- Ability to record and interpret soil moisture results.

EMPLOYABILITY SKILLS

Academic & SCANS Skills and Personal Qualities

- Ability to work cooperatively with others.
- Ability to record numerical data.
- Ability to examine information for relevance and accuracy.
- Ability to pay attention to details.
- ~~Ability to prepare and organize multiple schedules.~~

- Ability to record information accurately.

C3. SET/ADJUST IRRIGATION SCHEDULE

PERFORMANCE INDICATORS

How do we know when the task is performed well?

- Current weather conditions and soil and crop moisture levels are considered to determine appropriate irrigation schedule.
- Course of action is accurately determined to maintain optimum soil moisture content.
- Irrigation schedule is accurately adjusted to maintain optimum crop growth.
- Water is used to maximum efficiency.
- Information is accurately recorded in a timely manner.

TECHNICAL KNOWLEDGE

Skills, Abilities, Tools

- Ability to set irrigation schedule using the checkbook model.
- Ability to utilize customized computer software for the input, retrieval and evaluation of moisture data.
- Knowledge of system precipitation rates.
- Knowledge of weather station data.
- Ability to obtain and utilize sensor information and radio systems.
- Ability to calculate consumptive use.

EMPLOYABILITY SKILLS

Academic & SCANS Skills and Personal Qualities

- Ability to monitor and evaluate system.
- Ability to calculate mathematical data.
- Ability to evaluate/adjust plan of action.
- Ability to interpret and analyze information.
- Ability to prepare and organize multiple schedules.
- Ability to pay attention to details.
- Ability to ensure work quality.
- Ability to record information accurately.

C4. ADJUST IRRIGATION EQUIPMENT

PERFORMANCE INDICATORS

How do we know when the task is performed well?

- Appropriate reference material is selected for the adjustment.
- Adjustments are within the parameters of the system.
- Adjustments result in equipment operating as desired.
- Adjustments are performed safely and meet government regulations for safety.
- Information is accurately recorded in a timely manner.

TECHNICAL KNOWLEDGE

Skills, Abilities, Tools

- Knowledge of irrigation system components.
- Knowledge of irrigation system operation.
- Knowledge of plant-water-soil demandsrelationship.

- Ability to use hand tools safely and correctly.
- Ability to follow proper procedures for adjusting equipment.
- Ability to use meters and gauges to determine proper adjustment levels.

EMPLOYABILITY SKILLS

Academic & SCANS Skills and Personal Qualities

- Ability to determine system components to be modified or improved.
- Ability to calculate mathematical data.
- Ability to evaluate/adjust equipment.
- Ability to interpret and analyze information.
- Ability to pay attention to details.
- Ability to ensure work quality.
- Ability to record information accurately.
- Ability to use materials in a safe and efficient manner.

C5. PROPERLY APPLY CHEMIGATECALS & FERTIGATE

PERFORMANCE INDICATORS

How do we know when the task is performed well?

- Compliance with all government regulations.
 - Chemical solutions are properly mixed and injected.
 - Application of chemicals is monitored for accuracy.
 - All established safety procedures are followed.
 - System is properly cleaned following application.
 - Chemicals are properly stored/disposed of according to government regulations.
 - Information is accurately recorded in a timely manner.

TECHNICAL KNOWLEDGE

Skills, Abilities, Tools

- Knowledge of government regulations.
- Knowledge of various chemicals for compatibility and crop related use.
- Ability to calculate injection rates.
- Ability to safely mix chemicals into the desired concentration levels.
- Knowledge of hazardous materials regulations.
- Ability to use various chemical injection methods.
- Ability to calibrate irrigation equipment
- Ability to completely flush chemicals from system.
- Ability to maintain system integrity from corrosion and plugging.

EMPLOYABILITY SKILLS

Academic & SCANS Skills and Personal Qualities

- Ability to select appropriate information and follow set of instructions.
- Ability to perform basic computations.
- Ability to pay attention to detail.

- Ability to follow rules, policies, and procedures.
- Ability to record information accurately.
- Ability to monitor safe and efficient utilization of materials.
- Ability to monitor system performance.

D1. MANAGE INVENTORY
PERFORMANCE INDICATORS

How do we know when the task is performed well?

- ~~Inventory of parts needed to keep system in operation is maintained.~~
- ~~Parts purchased for inventory are of desired quality.~~
- ~~Service is available for components in inventory.~~
- ~~Warranty items are handled according to manufacturer's instructions.~~
- ~~Inventory records are accurate and up to date.~~

TECHNICAL KNOWLEDGE

Skills, Abilities, Tools

- ~~Knowledge of vendor quality and service.~~
- ~~Ability to evaluate used parts and components for wear.~~
- ~~Knowledge of irrigation components.~~
- ~~Ability to utilize computer database and parts ordering software.~~

EMPLOYABILITY SKILLS

Academic & SCANS Skills and Personal Qualities

- ~~Ability to record information accurately.~~
- ~~Ability to write warranty documents.~~
- ~~Ability to identify relevant components.~~
- ~~Ability to communicate appropriate verbal information.~~
- ~~Ability to translate blueprints/drawings/diagrams.~~
- ~~Ability to establish rapport with co-workers and clients.~~
- ~~Ability to perform routine record keeping and maintain balanced accounts.~~
- ~~Ability to identify future material needs.~~
- ~~Ability to perform data entry and understand computer operation.~~

D12. PERFORM PREVENTIVE MAINTENANCE

PERFORMANCE INDICATORS

How do we know when the task is performed well?

- Maintenance schedule is developed and followed.
- Maintenance tasks are performed according to industry standards.
- ~~Hazardous materials are stored/disposed of properly.~~
- Maintenance work is properly documented.

TECHNICAL KNOWLEDGE

Skills, Abilities, Tools

- Knowledge of irrigation components used in a system.
- Knowledge of system operations.
- Ability to use hand tools safely and correctly.
- ~~Knowledge of hazardous material regulations.~~

EMPLOYABILITY SKILLS

Academic & SCANS Skills and Personal Qualities

- Ability to follow set of instructions.
- Ability to perform a given set of tasks.
- Ability to read technical manuals.
- Ability to use materials in a safe and efficient manner.
- Ability to complete record forms.

D23. PERFORM ANNUAL SYSTEM START-UP

PERFORMANCE INDICATORS

How do we know when the task is performed well?

- System is started according to established procedures.
- All components are inspected and evaluated.
- Any necessary repairs are made to the system.

TECHNICAL KNOWLEDGE

Skills, Abilities, Tools

- Ability to locate appropriate reference material.
- Knowledge of irrigation components.
- Knowledge of irrigation system layout.
- Ability to evaluate irrigation components.
- Ability to use meters and gauges to determine proper adjustment levels.
- Ability to use hand tools safely and correctly.

EMPLOYABILITY SKILLS

Academic & SCANS Skills and Personal Qualities

- Ability to follow a set of instructions.
- Ability to understand the operation of the system.
- Ability to perform an assigned task.
- Knowledge of water hydraulics.

D4. REBUILD SYSTEM COMPONENTS

PERFORMANCE INDICATORS

How do we know when the task is performed well?

- ~~Repairs are completed according to manufacturers' specifications.~~
- ~~Parts are re-built to like new condition.~~
- ~~Parts are tested and perform as designed.~~

TECHNICAL KNOWLEDGE

Skills, Abilities, Tools

- ~~Basic understanding of electrical, hydraulic, and mechanical components.~~
- ~~Ability to test components and evaluate condition.~~
- ~~Knowledge of safety procedures.~~
- ~~Ability to use hand tools safely and correctly.~~
- ~~Ability to replace parts in an irrigation system.~~
- ~~Ability to locate appropriate reference material.~~
- ~~Ability to recognize wear, damage and failure of components.~~

EMPLOYABILITY SKILLS

Academic & SCANS Skills and Personal Qualities

- ~~• Ability to follow technical manual guidelines.~~
- ~~• Ability to follow safety procedures.~~
- ~~• Ability to analyze component wear, damage and failure and determine cause.~~
- ~~• Ability to determine repair procedures.~~
- ~~• Ability to correct malfunction.~~

D35. WINTERIZE SYSTEM

PERFORMANCE INDICATORS

How do we know when the task is performed well?

- System is winterized according to established procedures.
- All components are inspected and evaluated.
- Any necessary repairs are made to the system.

TECHNICAL KNOWLEDGE

Skills, Abilities, Tools

- Ability to locate appropriate reference material.
- Knowledge of irrigation components.
- Knowledge of water hydraulics.
- Knowledge of irrigation system layout.
- Ability to evaluate irrigation components.
- Ability to use hand tools safely and correctly.
- Ability to operate air compressor.

EMPLOYABILITY SKILLS

Academic & SCANS Skills and Personal Qualities

- Ability to follow a set of instructions.
- Ability to understand the operation of the system.
- Ability to perform an assigned task.

D46. UPDATE SYSTEM

PERFORMANCE INDICATORS

How do we know when the task is performed well?

- System improvements are identified and defined.
- Costs are documented and return on investment evaluated.
- Update plan is presented to client in a professional manner.
- System updates are performed according to client's preference and function according to plan.

TECHNICAL KNOWLEDGE

Skills, Abilities, Tools

- Knowledge of irrigation system design and components.
- Ability to evaluate cost in respect to benefits.
- Ability to operate the system.
- Ability to communicate professionally.

EMPLOYABILITY SKILLS

Academic & SCANS Skills and Personal Qualities

- Ability to ask relevant questions.
- Ability to present technical information clearly.
- Ability to analyze equipment.
- Ability to create recommendations.
- Ability to forecast quantitative results.
- Ability to value differences of opinion.
- Ability to implement plan of action.
- Ability to forecast project costs.
- Ability to adapt and implement new technology.
- Knowledge of water hydraulics.

D5E1. TROUBLESHOOT MECHANICAL EQUIPMENT FAILURES

PERFORMANCE INDICATORS

How do we know when the task is performed well?

- System is completely evaluated and cause of failure is accurately isolated.
- Components are inspected for failure, and all necessary components are replaced.
- System is correctly reassembled and verification is obtained that operating condition meets manufacturers' specifications.

TECHNICAL KNOWLEDGE

Skills, Abilities, Tools

- Knowledge of mechanical systems, their components and their relationship to each other.
- Ability to test components and evaluate condition.
- Knowledge of safety procedures.
- Ability to use hand tools safely and correctly.
- Ability to replace parts in a mechanical system.
- Ability to locate and utilize appropriate reference material.

EMPLOYABILITY SKILLS

Academic & SCANS Skills and Personal Qualities

- Ability to gain information through research.
- Ability to perform measurements.
- Ability to make connections between old and new.
- Ability to analyze possible failures.
- Ability to analyze information and solutions.
- Ability to perform technological solutions.

D6E2. TROUBLESHOOT ELECTRICAL EQUIPMENT FAILURES

PERFORMANCE INDICATORS

How do we know when the task is performed well?

- System is completely evaluated and cause of failure accurately isolated.
- Components are inspected for failure and all necessary components are replaced.
- System is reassembled and verification is obtained to ensure that operating condition meets manufacturers' specifications.

TECHNICAL KNOWLEDGE

Skills, Abilities, Tools

- Knowledge of electrical systems, their components and their relationship to each other.
- Knowledge of single phase and three phase electric power.
- Ability to test components and evaluate condition.
- Knowledge of pump test.
- Knowledge of safety procedures.
- Ability to safely and correctly use hand tools and electrical test equipment.
- Ability to replace parts in an electrical system.
- Ability to locate and utilize appropriate reference material.

EMPLOYABILITY SKILLS

Academic & SCANS Skills and Personal Qualities

- Ability to gain information through research.
- Ability to perform measurements.
- Ability to make connections between old and new.
- Ability to analyze possible failures.
- Ability to analyze information and solutions.
- Ability to perform technological solutions.

D7E3. TROUBLESHOOT-IDENTIFY COMPUTER EQUIPMENT FAILURES

PERFORMANCE INDICATORS

How do we know when the task is performed well?

- System is completely evaluated and cause of failure is accurately isolated.
- Components are inspected for failure and necessary components are replaced.
- System is reassembled and verification is obtained to ensure that operating condition meets manufacturers' specifications.

TECHNICAL KNOWLEDGE

Skills, Abilities, Tools

- Knowledge of computerized systems, their components and their relationship to the irrigation system.
- Knowledge of basic program input.
- Ability to test components and evaluate condition.
- Knowledge of safety procedures.
- Ability to use electrical test equipment safely and correctly.
- Ability to replace parts in a computer system.
- Ability to locate and utilize appropriate reference material.

EMPLOYABILITY SKILLS

Academic & SCANS Skills and Personal Qualities

- Ability to gain information through research.
- Ability to perform measurements.
- Ability to make connections between old and new.
- Ability to analyze possible failures.
- Ability to analyze information and solutions.
- Ability to perform technological solutions.