<u>SYLLABUS AG FACILITIES DESIGN AND</u> <u>FABRICATION</u>

A. <u>EMPLOYABILITY CHARACTERISTICS OF A SUCCESSFUL WORKER IN</u> <u>THE MODERN WORKPLACE</u>

- IDENTIFY CAREER DEVELOPMENT AND ENTREPRENEURSHIP OPPORTUNITIES IN THE FIELD OF MECHANIZED AGRICULTURE
- APPLY COMPETENCIES RELATED TO RESOURCES, INFORMATION, INTERPERSONAL SKILLS, AND SYSTEMS OF OPERATION OF MECHANIZED AGRICULTURE
- DEMONSTRATE KNOWLEDGE OF PERSONAL AND OCCUPATIONAL SAFETY PRACTICES IN THE WORKPLACE
- IDENTIFY EMPLOYERS' EXPECTATIONS, APPROPRIATE WORK HABITS, AND GOOD CITIZENSHIP SKILLS
- PLAN AND MANAGE SUPERVISED AGRICULTURAL EXPERIENCE PROGRAMS
- B. <u>TECHNICAL KNOWLEDGE AND ENTRY LEVEL WORKPLACE SKILLS IN</u> <u>THE INTERRELATED MECHANIZED AGRICULTURAL SYSTEMS</u>
- IDENTIFY AND SELECT AGRICULTURAL POWER SYSTEMS AND EQUIPMENT
- DIAGNOSE POWER SYSTEM CONDITIONS
- SERVICE AND REPAIR SMALL GASOLINE ENGINES
- SET UP, ADJUST, OPERATE, AND MAINTAIN AGRICULTURAL MACHINERY AND EQUIPMENT
- C. <u>MECHANIZED AGRICULTURE REPAIR SKILLS</u>
- EXPLAIN THE OPERATION OF ELECTRIC AND OXY-FUEL WELDING PROCEDURES
- PERFORM SOLDERING AND COLD METAL SKILLS AND TOOL MAINTENANCE
- D. <u>DEMOSTRATE PRINCIPLES AND PRACTICES RELATING TO</u> <u>AGRICULTURAL STRUCTURES</u>
- IDENTIFY, PLAN, AND CONSTRUCT AGRICULTURAL STRUCTURES
- DEMONSTRATE THE USE OF CONCRETE AND MASONRY IN AGRICULTURAL CONSTRUCTION
- PERFORM ELECTRICAL WIRING SKILLS
- SELECT AND MAINTAIN ELECTRICAL MOTORS AND CONTROLS FOR AGRICULTURAL APPLICATIONS
- E. <u>DEMONSTRATE SKILLS RELATED TO WATER MANAGEMENT</u>
- PLAN, ESTABLISH, AND MAINTAIN WATER MANAGEMENT AND IRRIGATION SYSTEMS
- PERFORM SKILLS IN LAND MEASURING AND LEVELING

PLEASE SIGN AND RETURN

PARENT/GUARDIAN SIGNATURE_____

STUDENT SIGNATURE_____