Equipment and Technical Guide for: AU10 Agriscience Applications

Category	Item	Quantity	Required?
equipment	10" bench grinder	1C	yes
equipment	10" tilting arbor saw	1C	yes
equipment	10" to 14" radial arm saw	1C	yes
equipment	12" woodworking band saw	1C	yes
tool	311 gal. capacity balance, 0.01 g sensitive	10C	yes
equipment	6" - 8" woodworking vise	5C	yes
equipment	6" machinist vise	1C	yes
equipment	6" or 8" jointer	1C	yes
equipment	80 gallon, 2- stage air compressor	1C	yes
equipment	Aquarium, 30 gallon	2C	yes
tool	Balance, electric	2C	yes
equipment	Biotronette chamber	1C	yes
equipment	Blacksmith anvil	1C	yes
tool	Brooder, chicken	1C	yes
equipment	Chicken incubator	1C	yes
tool	Clinometer	1:4S	yes
equipment	Computer with the latest available software and hardware	1:4S	yes
equipment	Digital incubator	1C	yes
tool	Double beam, metric,one gal. capacity, 2000g balance	1C	yes
equipment	Drill press	1C	yes
equipment	Drill press vise 6" opening	1C	yes
equipment	Drill, 1/4", 3/8", and 1/2" electric, portable, variable speed	2C	yes
tool	Egg Candler	1C	yes
equipment	Electric 16- quart autoclave	1C	yes
equipment	Electric arc welder	1C	yes
tool	Electric hot plate	2C	yes
equipment	Field magnet	25C	yes
equipment	Germicidal cabinet for safety glass storage	1C	yes
equipment	Hinged vise	1C	yes
equipment	Instructor's demonstration bench	1C	yes
equipment	Lab oven	1C	yes
tool	Lab quality table	15C	yes
equipment	lab refrigerator	1C	yes
equipment	Laminar flow hood	1C	yes
equipmen	Light meter	1C	yes
equipment	Metal-cutting band saw	1C	yes
tool	Micrometer Set	1C	yes
equipment	Microscope, 10x, 40x, 100x, (oil immersion) achronage	15C	yes
equipment	Microvideo system	1C	yes
equipment	Oxyacetylene welder - including tanks, hoses, regulators, wrenches, blowpipes, cutters, tips, and two cylinder trucks	1C	yes
tool	pH meter	1C	yes
equipment	Planer	1C	yes
equipment	Portable electric belt/disc/orbita l sander	20C	yes
tool	Portable electric sabre saw	1C	yes
equipment	Portable, electric circular saw	1C	yes
tool	Post hole digger	1C	yes
tool	Rotary tiller	1C	yes
tool	Safety glasses/goggles	1S	yes
equipment	Sander, 6" belt, 12" disc finishing machine	1C	yes
equipment	small 2 and 4 cycle gasoline engine	4C	yes
tool	Spinette centrifuge	1C	yes

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equipment	Stereo microscope, 15x, 30x	8C	yes
tool	Thermometer	2C	yes
equipment	Transit level (tripod and leveling rod)	1C	yes
tool	Wheelbarrow	1C	yes
equipment	Work bench	5C	yes

Category -

- *equipment* - is a non-expendable, tangible item. It is usually more feasible to repair it rather than replace it with an entirely new unit. It has a unit cost of over $100.
- *tool* - is an expendable, tangible item. It is usually more feasible to replace it with an entirely new unit rather than repair it. It has a unit cost of less than $100.
- *curriculum* - is additional curriculum materials.
- *software* - is computer software that is required or can enhance the instruction.
- *training* - is coursework or other professional development for the teacher.
- *subscription* - is for curriculum or supplemental material for a specified period of time.
- *supplemental* - is instructional resources that provide more information about or extend the content of a subject.
- *licensure/certification* - is examinations, license and certification fees for the students.
- *other* - is additional instructional resources.

Quantity - is the number of items needed for the (**C**) CTE classroom/lab, for the (**B**) school building, for the (**L**) LEA, or the number needed based on the number of (**S**) students in the classroom/lab.

In some cases the number is based on the (**W**) workstations in the classroom/lab. A classroom may be divided into several kitchen workstations or hospital bed workstations. In these cases the number of items is what is needed to equip one workstation. The number of workstations is based on the anticipated number of students taking that course at one time.

Quantity Examples:

- 1S = one of these items for each student in the classroom/lab
- 1S, 1C = one of these items for each student in the classroom/lab and an additional one in the classroom for the teacher
- 1:4S = one item for every four students in the classroom/lab
- 1B = one of these items per school building.
- 1L = one of these items per LEA (school district).
- 2C = two of these items per CTE classroom/lab.
- 3W-kitchen = three of these items per kitchen workstation in the classroom/lab.

Required?

- **yes** = This is required to teach the course.
- **no** = This is <u>not</u> required to teach the course.