Equipment and Technical Guide for: AU02 Exploring Agriculture Science

Category	Item	Quantity	Required?
tool	10 ml. graduated cylinder	1S	yes
tool	Set of screwdrivers assorted size and type	1C	
tool	3/8" Socket set with ratchet	!c	yes
tool	10 ml. pipette	1S	yes
tool	1000ml. flask	1S	yes
tool	10ml test tube	10S	yes
tool	20 ml test tube	10S	yes
tool	200 ml. beaker	1S	yes
tool	250 ml. graduated cylinder	1S	yes
tool	5 ml. pipette	1S	yes
tool	5 ml. pipette pump	1S	yes
tool	50 ml. beaker	1S	yes
tool	Assorted flower pots	1S	yes
equipment	Computer with the latest available software and hardware	1:4S	yes
tool	Disks, blank	1S	yes
tool	Ear plugs	1S	yes
equipment	Dissecting microscope	1:2S	yes
equipment	Electric microscope	1:2S	yes
equipment	Greenhouse	1C	no
equipment	Germicidal cabinet for safety glass storage	1C	yes
equipment	Hand held GPS	1:4S	yes
tool	Hand lenses	1S	yes
equipment	Incubator	1C	yes
tool	Lab jacket	1S	yes
tool	Light bank	1C	yes
tool	Magnet	1S	yes
tool	Magnifying lenses	1S	yes
tool	Medicine dropper	1S	yes
tool	Meter stick	1S	yes
tool	Metric ruler	1S	yes
tool	Microscope slides	10S	yes
tool	Mortar and pestle	1S	yes
tool	Petri dish	5S	yes
equipment	Raised Plant Beds	1:4S	no
equipment	Refrigerator	1C	yes
tool	Safety glasses/goggles	1S	yes
tool	Safety goggles	1S	yes
tool	Scale or balance	1:2S	yes
tool	Scalpel	1S	yes
tool	Scissors	1S	yes
tool	Set of assorted markers	1S	yes
tool	Slide cover slips	10S	yes
equipment	Small animal cages	1C	no
tool	Soil Tube	1C	yes
tool	Sponges	1S	yes
tool	Stirring rods	3S	yes
tool	Stopwatch	1S	yes
equipment	Stove/oven	1C	yes
tool	Test tube rack	1S	yes
tool	Test tube thermometer	1S	yes
tool	Tweezers or forceps	1S	yes

Category -

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- *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.