Equipment and Technical Guide for: AN51 Environmental and Natural Resources I

Category	Item	Quantity	Required?
equipment	10" bench grinder	1C	yes
equipment	10" tilting arbor saw	1C	yes
equipment	12"woodworking band saw	1C	yes
tool	3 gallon sprayer	2C	yes
equipment	6" - 8" woodworking vise	5C	yes
tool	6" bed jointer	1C	yes
equipment	6" bench grinder	1C	yes
equipment	6" machinist vise	1C	yes
equipment	80 gallon, 2- stage air compressor	1C	yes
equipment	Aerator	1B	yes
tool	Air pollution detection kit	1C	yes
equipment	Anemometer	1C	yes
equipment	Aquaculture circulatory system	1C	yes
tool	Back pack sprayer	1C	yes
equipment	Balance, electronic	4C	yes
tool	Binoculars	1C	yes
tool	Broadcast seeder	1C	yes
equipment	Chain saw	10C	yes
tool	Clinometer	1C	yes
equipment	Computer with the latest available software and hardware	1:4S	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	1C	yes
tool	fiberglass measuring tape (100")	1C	yes
tool	Field magnifier	25C	yes
tool	Finishing sander	1C	yes
equipment	Forestry compass	5C	yes
tool	handheld GPS unit	4C	yes
equipment	Germicidal cabinet for safety glass storage	1C	yes
tool	Hydrometer	1C	yes
equipment	Incubator	1C	yes
equipment	Instructor's demonstration bench	1C	yes
tool	Kicknet	1C	yes
tool	Lab quality table	15C	yes
tool	LaMotte water test kit	1C	yes
tool	Lawn and garden tractor	1C	yes
equipment	Lawn mower	1C	yes
tool	Limnology test kit	1C	yes
tool	Log chain	1C	yes
equipment	Microscope, 10x, 40x, 100x	15C	yes
tool	Mist blower	1C	yes
tool	Moisture meter	1C	yes
tool	pH meter	1C	yes
tool	Portable electric belt/orbital sander	1C	yes
tool	Portable electric router	1C	yes
equipment	Portable, electric circular saw	1C	yes
tool	Psychrometer	1C	yes
tool	Recording barometer	1C	yes
tool	Rotary tiller	1C	yes
tool	Safety glasses/goggle s	1S	yes
equipment	Sander, 6" belt, 12" disc finishing machine	1C	yes
equipment	small 2 and 4 cycle gasoline engine	2C	yes

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tool	Soil test kit	1C	yes
tool	Spinette centrifuge	1C	yes
equipment	Stereo microscope, 15x, 30x	15C	yes
equipment	Transit level (tripod and leveling rod)	1C	yes
tool	Tree Measuring stick	1S,	yes
tool	Water test kit	1C	yes
equipment	Weather station	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.