. 0		Middle Cobool Farrings and List	ō	ע
Equipment /	Item Number	Middle School Equipment List	Recommended	Industry Certification*
ne	E	Item Description	ner	Industry rtificatio
ig is	Ž	E=Equipment (life expectancy 5 or more years)	E	du ific
nb:	em	C= Consumble (life expectancy less than 5 years)	ဝ	In ert
шŏ	±	*Contact Region Agricultural Education office for Industry Certification	Re	Ö
		Air Compressor - Two stage compressor on 60 gal. tank, 150 psi, 9/5 CFM ,		
_	4	pressure switch with air release valve for "load-free" starting, 5 hp motor	4	•
E	1	overload protection; unit complete with belt guard, remote inlet and oil bath air	1	0
		cleaner, with complete hose assembly connect couplings		
Ε	2	Amp Meter, 0-25 amps clamp-on type	1	1
Е	3	Aprons	14	14
Е	4	Aquaculture System- includes tank with drain, filter solids system, bio-filter	1	0
_	4	system, pump, airstone	•	U
		Aquaculture Test Kit- To furnish all materials for pond fish culture testing. Unit		
E	5	to be supplied with lab ware, sampling bottle, and reagents for 50 tests of each	1	0
		factor.		
Е	6	Aquaculture Unit- Complete closed loop system	1	0
Е	7	Aquarium-10 gallon observation and holding unit, complete kits	4	2
E	8	Aquarium-29 gallon observation and holding unit, complete kits	4	2
E	9	Aquariums- 50 gallon or larger observation and holding units, complete kits	4	0
Е	10	Aquatic Kick Net	16	6
С	11	Beaker sets- One each of 100 ml, 150 ml, and 250 ml, heat resistant, with lip	30	15
		and pouring spout		
Е	12	Beaker Tongs	14	6
E	13	Belt Sander - min 8AMP	3	1
_		Bench, Greenhouse - Rolling/stationary, galvanized expanded metal top, 15 lb.		_
E	14	psf load capacity. * Number of benches needed will be determined by size of	18*	0
		greenhouse.		
		Bench, Woodworking, 4 Station- Locker base type, hard maple laminated top 2		
_	4.5	1/4" x 54" x 74" with four bolts through the body of the top for additional	_	•
E	15	strength, steel base in two sections, each section to contain 6 lockers 21" long,	3	0
		21" deep and 15" high with padlocks hasp and knockout plug for cylinder lock		
Е	16		5	1
	10	Benches- Work, 54" X 64" with metal base Binoculars- Wide view variable power 40 mm lens. Scratch resistant lens	5	ı
E	17	complete with neck strap and carrying case.	14	0
Е	18	Bit Set- Electrification, 3/8"-1" by 8ths	1	0
	10			
E	19	Bits, High Speed Twist Drill- 29 fractional bits, 1/16 thru 1/2" by 64ths of an inch	1	0
Е	20	Botany Dissection Set- Stainless steel	28	14
С	21	Breed Charts- Cattle, Swine, Horses, Sheep, Goats, Poultry, Dairy	1	0
E	22	Brooder, Electric- For use with baby chicks	2	1
C	23	Buckets- Plastic 2 to 5 gallon capacity	10	5
E	24	Bunsen Burners	12	6
		Cabinet, Flammable Liquid - 18 gauge steel panels, double wall top, bottom,		
		sides and back with 1 1/2" air space between inner and outer panels. Unit		
E	25	should include screen flame arrestor vent, leak-proof sill at bottom; leveling feet	1	1
		on all 4 corners, 3 point lock; must meet National Fire Protection Association		
		requirements.		
		Cabinet, Stationary Tool- Wooden two door tool cabinet equipped with custom		
E	26	designed tool holding devices, individual hold devices painted to match tool	1	0
		color coding scheme		

t /	er	Middle School Equipment List	ded	*_
Equipment / Consumeable	Item Number	Item Description	enc	Industry Certification*
md Tu	Z	E=Equipment (life expectancy 5 or more years)	Ē	lus ica
link nsı	Ε	C= Consumble (life expectancy less than 5 years)	Ö	<u> </u>
Co	It e	*Contact Region Agricultural Education office for Industry Certification	Recommended	_ లి
Е	27	Cabinet, Sterilization and Storage, for Safety Goggles- 40 pair capacity and safety glasses	1	1
_		Cable Ripper- For use in nonmetallic sheathed cable with outside diameter 5/8		
С	28	inches or smaller	12	6
Е	29	Camera, Digital, with screw on UV Filter	2	1
Е	30	Camera, Video, 8 mm, VHS or digital video	1	0
Е	31	CD Player	1	0
С	32	Chef Bowl Set- Kitchen type, double walled construction with 1 1/2" air space. Built in vents and flash arresters.	2	1
С	33	Chef's Aprons, 100% cotton or cotton blend, 36"L X 30"W, with ribbon ties	30	20
		Chemical Respirator- For protection against common garden chemicals,		
E	34	insecticide dusts and sprays, to be furnished with 3 easy to replace dust filters	2	0
		and one chemical cartridge and 2 valves, adjustable headband.		
_		Chemical Storage Cabinet- Double walled construction with 1 1/2" air space.	_	
E	35	Built in vents and flash arresters. *Depends on what needs to be stored based	3	1*
		upon the program needs.		
		Chicken Coop - Walk-In Coop can house up to 15 chickens, Solid wood		
E	36	construction with an asphalt roof, Includes nesting box, roosting bars and ramp,	1	0
		Large, walk-in door allows easy human access to chickens and for cleaning,		
Е	37	Tray slides out for easy cleaning Chisel, Wood- Set of 1/4", 1/2", 3/4" and 1", polished steel blades	1	0
		Chisels, Cold Flat- 4 to a set- Alloy steel, hexagon stock, each set to consist of		U
E	38	one each of the following sizes: 3/8", 1/2", 3/4" and 1"	1	0
		Clinometer- Housing of corrosion resistant lightweight metal, scale supported		
Е	39	jeweled bearing assembly, moving parts, immersed in dampening liquid in	7	2
_	39	sealed plastic container. Percent and Topographic scales to read to 150%,	′	2
		I200' at 66' baseline with leather carrying case.		
Е	40	Clipboards	25	15
С	41	Colander- 3 quart capacity minimum, stainless steel	6	3
		Combination Square, 12"- Grooved steel blade graduated in eight, sixteenths		
E	42	and thirty seconds on both sides; cast iron head with machined faces and one	6	3
		level glass		
		Compass, Silva Type Ranger- Graduated 0-360 degrees, liquid		
Е	42	filled, transparent protractor plate, sighting mirror, declination offsetting device,	40	0
	43	transparent housing, magnetized needle encased in liquid, engineer's scale in inches and tenths on one side, millimeter scale on other side, 4" X 2 1/2" X 3/4",	10	8
		with case.		
		Compass, Staff - Azimuth and Quadrant graduations to one degree with		
		declination adjustment. Needle lock with thumb screw. Folding sights with		
E	44	interchangeable scales. Circular spirit level mounted permanently on compass	1	0
		face. Complete with ball and joint socket and carrying case.		
Е	45	Compost Tumbler	1	0
Е	46	Computer Cart- With casters, includes surge protector, electrical outlets,	1	1
		adjustable shelves	_	
E	47	Computer Printer, color	7	3
	40			
E	48	Computer,Laptop / Chrome Books Cooler- 48 qt. capacity removal tray, folding handles. 21" long, 14" wide 13"	25	7

Item Description E=Equipment (life expectancy 5 or more years) C= Consumble (life expectancy 1 or more years) C= Consumble (life expectancy 2 or more years) C= Consumble (lif	_ <u>e</u>	_	Middle School Equipment List	eq	*_
C 50 Cooler- 60 qt. capacity with refreeze bottle in lid or as horizontal divider in chest. Folding handles 17" wide 16 3/8" high, 25" long. Cordless Drill - 3/8" variable speed, reversible, adjustable torque setting with rechargeable battery and charger. Cordless Screwdriver/Nut Driver Bits and Sets- Nut driver and screwdriver bit set includes: #1, #2, #3 Phillips, 6-8, 8-10 and 10-12 slotted screwdriver bits plus 7 nut drivers- 3/16", 1/4", 9/32", 5/16", 11/32", 3/8" and 7/16". C 53 Crop Seed Identification Kit E 54 Cutting Board, extra strength poly type, dishwasher safe, 7" x 14" minimum 14 7 E 55 Dibble- For planting container stock. Foot step. 1" to 1 3/4" diameter X 4" to 6" head. E 56 Digital Planimeter- 14" measuring range, 1 digit equals 0.01 sq. in. AC/DC with adapter and charger. Complete with carrying case. E 57 Display and Storage Unit For Biological Models C 58 Brisposable Coveralls- Made of Tyvek protects from pesticides, paints and grease. Long sleeves, zipper front, collar, sewn. "As needed. E 59 Dissecting Kit for Zoology, stainless steel with bone splitter and pins E 60 Dissection Kits- standard C 61 Dissectograms- For frog, fish, and fetal pig. Laminated wall chart E 62 Dissenfecting Trays, with covers Dirill, Portable Electric, 1/2"- With piston grip, spade handle and pipe handle; ball and needle bearings; reversible; 450 RPM; 1/2" heavy duty geared chuck; 115 bolt AC/DC; complete with cord and plug; double insulated Dirill, Portable Electric, 3/8"- Pistol grip handle, balland roller bearings, variable speed from 0 to 1000 RPM, reversible; 3/8" Jacobs chuck, 115 volt AC, complete with cord and plug; double insulated Dirill, Portable Electric, 7/2"- With piston grip, spade handle and pipe handle; ball and needle bearings; reversible; 450 RPM; 1/2" heavy duty geared chuck; 115 bolt AC/DC; complete with cord and plug; double insulated Drill, Portable Electric, 7/2"- With piston grip, spade handle power, 110 volt AC, complete with cord and plug; double insulated Drill, Portab	ab	g		nd	≥ ह
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E 51 Cordless Drill- 3/8" variable speed, reversible, adjustable torque setting with rechargeable battery and charger. Cordless Screwdriver/Nut Driver Bits and Sets- Nut driver and screwdriver bit set includes: #1, #2, #3 Phillips, 6-8, 8-10 and 10-12 slotted screwdriver bits plus 7 nut drivers- 3/16", 1/4", 9/32", 5/16", 11/32", 3/8" and 7/16". C 53 Crop Seed Identification Kit 1 1 1 E 54 Cutting Board, extra strength poly type, dishwasher safe, 7" X 14" minimum 14 7 E 55 Dibble- For planting container stock. Foot step. 1" to 1 3/4" diameter X 4" to 6" head. Digital Planimeter- 14" measuring range, 1 digit equals 0.01 sq. in. AC/DC with adapter and charger. Complete with carrying case. 5 7 Display and Storage Unit For Biological Models 1 0 C 58 Disposable Coveralls- Made of Tyvek protects from pesticides, paints and grease. Long sleeves, zipper front, collar, sewn. "As needed. E 50 Dissection Kits - Standard 12 12 12 E 60 Dissection Kits- standard 12 12 12 12 Dissection Fits- standard 12 12 12 12 12 12 12 13 14 14 15 14 14 14 15 14 14 14 14 14 14 14 14 14 14 14 14 14	С	50		1	1
E 51 rechargeable battery and charger. Cordless Screwdriver/Nut Driver Bits and Sets- Nut driver and screwdriver bit set includes: #1, #2, #3 Phillips, 6-8, 8-10 and 10-12 slotted screwdriver bits plus 7 rut drivers- 3/16", 1/4", 9/32", 5/16", 11/32", 3/8" and 7/16". C 53 Crop Seed Identification Kit E 54 Cutting Board, extra strength poly type, dishwasher safe, 7" X 14" minimum 14 7 E 55 Dibble- For planting container stock. Foot step. 1" to 1 3/4" diameter X 4" to 6" head. E 56 Digital Planimeter- 14" measuring range, 1 digit equals 0.01 sq. in. AC/DC with adapter and charger. Complete with carrying case. E 57 Display and Storage Unit For Biological Models C 58 Disposable Coveralls- Made of Tyvek protects from pesticides, paints and grease. Long sleeves, zipper front, collar, sewn. "As needed. E 59 Dissecting Kit for Zoology, stainless steel with bone splitter and pins 28 14 E 60 Dissecting Kit for Zoology, stainless steel with bone splitter and pins 28 14 E 61 Dissenfecting Trays, with covers 28 14 E 62 Dissenfecting Trays, with covers 29 17 Draining and Drying Rack- For laboratory glassware, with galvanized metal drain pan, 90 piece capacity, vinyl coated wire racks 21 1 Drill, Portable Electric, 1/2"- With piston grip, spade handle and pipe handle; ball and needle bearings; reversible; 450 RPM; 1/2" heavy duty geared chuck; 21 1 Drill, Portable Electric, 3/8"- Pistol grip handle, balland roller bearings, variable speed from 0 to 1000 RPM, reversible, 3/8" Jacobs chuck, 115 volt AC, complete with cord and plug; double insulated 21 1 Drill, Portable Electric, 1/2"- With piston grip, spade handle and pipe handle; ball and needle bearings; reversible; 450 RPM; 1/2" heavy duty geared chuck; 1 1 Drill, Portable Electric, 1/2"- With piston grip, spade handle and pipe handle; ball and needle bearings; reversible; 450 RPM; 1/2" heavy duty geared chuck; 1 1 E 66 Drill, Portable Electric, 5/8"- Pistol grip handle, balland roller bearings, variable speed from 0 to 1000 RPM, reversible, 3/8" Jacobs chuc					
E 52 set includes: #1, #2, #3 Phillips, 6-8, 8-10 and 10-12 slotted screwdriver bits plus 7 nut drivers-3/16", 1/4", 9/32", 5/16", 11/32", 3/8" and 7/16". C 53 Crop Seed Identification Kit E 54 Cutting Board, extra strength poly type, dishwasher safe, 7" X 14" minimum 14 7 E 55 Dibble- For planting container stock. Foot step. 1" to 1 3/4" diameter X 4" to 6" head. E 56 Digital Planimeter- 14" measuring range, 1 digit equals 0.01 sq. in. AC/DC with adapter and charger. Complete with carrying case. E 57 Display and Storage Unit For Biological Models Disposable Coveralls- Made of Tyvek protects from pesticides, paints and grease. Long sleeves, zipper front, collar, sewn. "As needed. E 59 Dissecting Kit for Zoology, stainless steel with bone splitter and pins E 60 Dissecting Kit for Zoology, stainless steel with bone splitter and pins E 61 Dissectograms- For frog, fish, and fetal pig. Laminated wall chart E 62 Dissenfecting Trays, with covers E 63 Drill, Portable Electric, 1/2"- With piston grip, spade handle and pipe handle; ball and needle bearings; reversible; 450 RPM; 1/2" heavy duty geared chuck; 115 bolt AC/DC; complete with cord and plug; double insulated E 65 Distl Portable Electric, 3/8"- Pistol grip handle, balland roller bearings, variable speed from 0 to 1000 RPM, reversible, 3/8" Jacobs chuck, 115 volt AC, complete with cord and plug; double insulated E 66 Dill, Portable Electric/Cordless- Heavy duty, 550 RPM no load speed, 3/8" E 67 Dust Pesticide Applicator- For gardens fruit trees D 68 Egg Beater- Stainless steel, one each size E 70 Egg Incubator- Still air, constant temperature, constant humidity, including thermometer and thermostat, 110 volt AC Electric Extension Cord- Heavy duty, three conductor, single outlet, No. 12 wire, 17 Type JFT, 125 volts, 15 amp., 50 ft. and/or 100 ft. long, complete with male and female plugs, GFCl protected E 72 Electric Extension Cords, 50 Ft All vinyl, molded on plug and single outlet connector, flat parallel blades, wired with 3 AWG 12 copper c	E	51	, , , , , , , , , , , , , , , , , , ,	4	1
Dius 7 nut drivers - 3/16", 1/4", 9/32", 5/16", 11/32", 3/8" and 7/16". 1 1 1 1 1 1 1 1 1			Cordless Screwdriver/Nut Driver Bits and Sets- Nut driver and screwdriver bit		
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E 54 Cutting Board, extra strength poly type, dishwasher safe, 7" X 14" minimum 14 7 E 55 Dibble- For planting container stock. Foot step. 1" to 1 3/4" diameter X 4" to 6" 4 1 E 56 Digital Planimeter- 14" measuring range, 1 digit equals 0.01 sq. in. AC/DC with adapter and charger. Complete with carrying case. E 57 Display and Storage Unit For Biological Models C 58 Disposable Coveralls- Made of Tyvek protects from pesticides, paints and grease. Long sleeves, zipper front, collar, sewn. "As needed. E 59 Dissecting Kit for Zoology, stainless steel with bone splitter and pins 28 14 E 60 Dissections Kits- standard 12 12 E 62 Dissenfecting Trays, with covers 28 14 E 63 Draining and Driying Rack- For laboratory glassware, with galvanized metal drain pan, 90 piece capacity, vinyl coated wire racks Drill, Portable Electric, 1/2"- With piston grip, spade handle and pipe handle; ball and needle bearings; reversible; 450 RPM; 1/2" heavy duty geared chuck; 115 bolt AC/DC; complete with cord and plug; double insulated Drill, Portable Electric, 3/8"- Pistol grip handle, balland roller bearings, variable speed from 0 to 1000 RPM, reversible, 3/8" Jacobs chuck, 115 volt AC, complete with cord and plug; double insulated Drill, Portable Electric, 3/8"- Pistol grip handle, balland roller bearings, variable speed from 0 to 1000 RPM, reversible, 3/8" Jacobs chuck, 115 volt AC, complete with cord and plug; double insulated E 66 Dilly Portable Electric, 3/8"- Pistol grip handle, balland roller bearings, variable speed, frow risible, 3/8" Jacobs chuck, 115 volt AC, complete with cord and plug; double insulated E 67 Dust Pesticide Applicator- For gardens fruit trees 1 0 E 68 Egg Beater- Stainless steel, one each size 1 0 E 70 Egg Incubator- Still air, constant temperature, constant humidity, including thermometer and thermostat, 110 volt AC Electric Extension Cord- Heavy duty, three conductor, single outlet, No. 12 wire, 17 type JFT, 125 volts, 15 amp., 50 ft. and/or 100 ft. long, complete with male and female plugs, GF			plus 7 nut drivers- 3/16", 1/4", 9/32", 5/16", 11/32", 3/8" and 7/16".		
E 55 Dibble-For planting container stock. Foot step. 1" to 1 3/4" diameter X 4" to 6" head. E 56 Digital Planimeter- 14" measuring range, 1 digit equals 0.01 sq. in. AC/DC with adapter and charger. Complete with carrying case. E 57 Display and Storage Unit For Biological Models 1 0 0 Dispay and Storage Unit For Biological Models 1 0 0 Dispay and Storage Unit For Biological Models 1 1 0 0 Dispay and Storage Unit For Biological Models 1 1 0 0 Dispay and Storage Unit For Biological Models 1 1 0 0 Dispay and Storage Unit For Biological Models 1 1 0 0 Dispay and Storage Unit For Biological Models 1 1 0 0 Dispay and Storage Unit For Biological Models 1 1 0 0 Dispay and Storage Unit For Biological Models 1 1 0 0 Dispay and Storage Unit For Biological Models 1 1 0 0 Dispay and Storage Unit For Biological Models 1 1 0 0 Dispay and Storage Unit For Biological Models 1 1 0 0 Dispay and Storage Unit For Biological Models 1 1 0 Dispay and Storage Unit For Biological Models 1 1 2 0 Dispay and Storage Unit For Biological Models 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	С	53	Crop Seed Identification Kit	1	1
E 55 head. E 56 Digital Planimeter- 14" measuring range, 1 digit equals 0.01 sq. in. AC/DC with adapter and charger. Complete with carrying case. E 57 Display and Storage Unit For Biological Models C 58 Disposable Coveralls- Made of Tyvek protects from pesticides, paints and grease. Long sleeves, zipper front, collar, sewn. *As needed. E 59 Dissecting Kit for Zoology, stainless steel with bone splitter and pins E 60 Dissection Kits- standard C 61 Dissection Kits- standard C 70 E 70 Dissection Kits- standard E 62 Dissenfecting Trays, with covers E 62 Dissenfecting Trays, with covers E 63 Draining and Drying Rack- For laboratory glassware, with galvanized metal drain pan, 90 piece capacity, vinyl coated wire racks Drill, Portable Electric, 1/2"- With piston grip, spade handle and pipe handle; ball and needle bearings; reversible; 450 RPM; 1/2" heavy duty geared chuck; 115 bolt AC/DC; complete with cord and plug; double insulated Drill, Portable Electric, 3/8"- Pistol grip handle, balland roller bearings, variable speed from 0 to 1000 RPM, reversible, 3/8" Jacobs chuck, 115 volt AC, complete with cord and plug; double insulated E 65 Distense with cord and plug; double insulated Drill, Portable Electric/Cordless- Heavy duty, 550 RPM no load speed, 3/8" E 67 Dust Pesticide Applicator- For gardens fruit trees E 68 Egg Beater- Stainless steel, one each size E 69 Egg Candling Light- High and low intensity light, 32 candle power, 110 volt AC Electric Extension Cord- Heavy duty, three conductor, single outlet, No. 12 wire, Type JFT, 125 volts, 15 amp., 50 ft. and/or 100 ft. long, complete with male and female plugs, GFCI protected E 72 Electric Extension Cords, 50 Ft All vinyl, molded on plug and single outlet connector, flat parallel blades, wired with 3 AWG 12 copper conductors E 74 Electric Motor- 1/2 hp, capacitator start E 75 Electric Motor- 1/2 hp, psplit phase 1 0 C 75 Electrician's Wire Strippers	Е	54	Cutting Board, extra strength poly type, dishwasher safe, 7" X 14" minimum	14	7
E 55 head. E 56 Digital Planimeter- 14" measuring range, 1 digit equals 0.01 sq. in. AC/DC with adapter and charger. Complete with carrying case. E 57 Display and Storage Unit For Biological Models C 58 Disposable Coveralls- Made of Tyvek protects from pesticides, paints and grease. Long sleeves, zipper front, collar, sewn. *As needed. E 59 Dissecting Kit for Zoology, stainless steel with bone splitter and pins E 60 Dissection Kits- standard C 61 Dissection Kits- standard C 70 E 70 Dissection Kits- standard E 62 Dissenfecting Trays, with covers E 62 Dissenfecting Trays, with covers E 63 Draining and Drying Rack- For laboratory glassware, with galvanized metal drain pan, 90 piece capacity, vinyl coated wire racks Drill, Portable Electric, 1/2"- With piston grip, spade handle and pipe handle; ball and needle bearings; reversible; 450 RPM; 1/2" heavy duty geared chuck; 115 bolt AC/DC; complete with cord and plug; double insulated Drill, Portable Electric, 3/8"- Pistol grip handle, balland roller bearings, variable speed from 0 to 1000 RPM, reversible, 3/8" Jacobs chuck, 115 volt AC, complete with cord and plug; double insulated E 65 Distense with cord and plug; double insulated Drill, Portable Electric/Cordless- Heavy duty, 550 RPM no load speed, 3/8" E 67 Dust Pesticide Applicator- For gardens fruit trees E 68 Egg Beater- Stainless steel, one each size E 69 Egg Candling Light- High and low intensity light, 32 candle power, 110 volt AC Electric Extension Cord- Heavy duty, three conductor, single outlet, No. 12 wire, Type JFT, 125 volts, 15 amp., 50 ft. and/or 100 ft. long, complete with male and female plugs, GFCI protected E 72 Electric Extension Cords, 50 Ft All vinyl, molded on plug and single outlet connector, flat parallel blades, wired with 3 AWG 12 copper conductors E 74 Electric Motor- 1/2 hp, capacitator start E 75 Electric Motor- 1/2 hp, psplit phase 1 0 C 75 Electrician's Wire Strippers			Dibble For planting container stock Foot stop 1" to 1.2/4" diameter V 4" to 6"		
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thermometer and thermostat, 110 volt AC Electric Extension Cord- Heavy duty, three conductor, single outlet, No. 12 wire, Type JFT, 125 volts, 15 amp., 50 ft. and/or 100 ft. long, complete with male and female plugs, GFCI protected Electric Extension Cords, 50 Ft All vinyl, molded on plug and single outlet connector, flat parallel blades, wired with 3 AWG 12 copper conductors E 73 Electric Motor- 1/2 hp, capacitator start E 74 Electric Motor- 1/2 hp, split phase C 75 Electrician's Wire Strippers 10	E	69	Egg Candling Light- High and low intensity light, 32 candle power, 110 volt AC	2	1
Electric Extension Cord- Heavy duty, three conductor, single outlet, No. 12 wire, Type JFT, 125 volts, 15 amp., 50 ft. and/or 100 ft. long, complete with male and female plugs, GFCI protected Electric Extension Cords, 50 Ft All vinyl, molded on plug and single outlet connector, flat parallel blades, wired with 3 AWG 12 copper conductors E 73 Electric Motor- 1/2 hp, capacitator start Type JFT, 125 volts, 15 amp., 50 ft. and/or 100 ft. long, complete with male and complete wi	E	70		2	1
E 71 Type JFT, 125 volts, 15 amp., 50 ft. and/or 100 ft. long, complete with male and female plugs, GFCI protected E 72 Electric Extension Cords, 50 Ft All vinyl, molded on plug and single outlet connector, flat parallel blades, wired with 3 AWG 12 copper conductors E 73 Electric Motor- 1/2 hp, capacitator start E 74 Electric Motor- 1/2 hp, split phase C 75 Electrician's Wire Strippers 1 0					
female plugs, GFCI protected Electric Extension Cords, 50 Ft All vinyl, molded on plug and single outlet connector, flat parallel blades, wired with 3 AWG 12 copper conductors E 73 Electric Motor- 1/2 hp, capacitator start E 74 Electric Motor- 1/2 hp, split phase C 75 Electrician's Wire Strippers 2 2 2 2	_	71	· ·	4	2
E 72 Electric Extension Cords, 50 Ft All vinyl, molded on plug and single outlet connector, flat parallel blades, wired with 3 AWG 12 copper conductors E 73 Electric Motor- 1/2 hp, capacitator start E 74 Electric Motor- 1/2 hp, split phase C 75 Electrician's Wire Strippers 2 2 2	-	/ 1	, ,	4	4
E 72 connector, flat parallel blades, wired with 3 AWG 12 copper conductors E 73 Electric Motor- 1/2 hp, capacitator start E 74 Electric Motor- 1/2 hp, split phase C 75 Electrician's Wire Strippers 2 2 4 0 5 1 0 6					
E 73 Electric Motor- 1/2 hp, capacitator start E 74 Electric Motor- 1/2 hp, split phase C 75 Electrician's Wire Strippers 10 10 10 10 10 10 10 10 10 1	F	72	, , , ,	2	2
E74Electric Motor- 1/2 hp, split phase10C75Electrician's Wire Strippers126	_		connector, flat parallel blades, wired with 3 AWG 12 copper conductors	-	-
E74Electric Motor- 1/2 hp, split phase10C75Electrician's Wire Strippers126	Е	73	Electric Motor- 1/2 hp, capacitator start	1	0
C 75 Electrician's Wire Strippers 12 6			·	-	
C 76 Erlenmeyer Flasks- 1 Liter, heat resistant 6 3		75	, , ,	12	6
, , ,	С	76	Erlenmeyer Flasks- 1 Liter, heat resistant	6	3

Equipment /	Item Number	Middle School Equipment List Item Description E=Equipment (life expectancy 5 or more years) C= Consumble (life expectancy less than 5 years) *Contact Region Agricultural Education office for Industry Certification	Recommended	Industry Certification*
С	77	Erlenmeyer Flasks- 250 mL, heat resistant	10	5
С	78	Erlenmeyer Flasks- 500 mL, heat resistant	10	5
Е	79	Extension Watering Handle, 24"- Aluminum extension handle to permit watering in hard to reach areas. 3/4 in. diameter with 65 degree bend at male end. Rubber grip on handle.	4	2
E	80	Extinguisher, Fire and Foam Type - For class A and class B fir hazards, wood, paper, rubbish, gasoline, oil, paint, varnish and all flammable liquids; 2 1/2" gal. capacity, stainless steel construction, tested to 500 lbs. pressure	1	1
E	81	Eye Wash Bottle- Portable 16 oz. capacity with eye cup, air vent and drain tube	1	1
Е	82	Eye Wash Station	3	3
Е	83	Fertilizer Injector- I.P. size 3/4 ", flow rate min./max. 3/12 std. prop 1:100, exterior adjustable.	1	0
Е	84	File Cabinet- Metal four drawers, letter size with lock.	4	2
Е	85	First Aid Kit- Industrial type, for use by up to 30 people, to contain the items which comply with State School Standards. *One for lab, and one for the classroom.	2	2*
Е	86	Flask Tongs- Stainless steel	5	2
Е	87	Floral Cooler	1	0
Е	88	Floral Cooler Buckets	15	0
С	89	Fogger Nozzle- Heavy duty, solid brass jets, 1 gal. per. min. capacity.	4	2
С	90	Food Dehydrator- Adjustable thermostat, quartz timer with LCD display	4	2
Е	91	Food Processor- Heavy-duty, stainless steel metal blades, slicing and shredding disks, citrus juicer attachment, 120V AC, suitable for grinding/chopping coffee beans, vegetables, ice, etc. all parts are dishwasher safe except motor base	3	1
E	92	Freezer- Chest or upright,15 cubic foot capacity minimum, for storage of non- eatable laboratory consumables	1	1
С	93	Funnel- Kitchen type, 4" and 1/2" spout, durable plastic or stainless steel, dishwasher safe	16	8
С	94	Funnel, set of 3 up to 2 quarts	1	1
E	95	Gasoline Can, 2 1/2 Gallon- Safety type spout controlled by spring to hold cap closed tightly. Filtered pouring spout. Red with yellow precautionary lettering.	2	0
Е	96	Gasoline Can, 5 Gallon Safety Type- Non flashback brass flame arrestor screen, red with yellow precautionary lettering	1	0
E	97	Global Positioning System, Hand Held Receiver Unit to include attribute labeling of entries, data storage, capable of accepting GPS correction, output format to link to CAD of GIS systems. Accuracy Single fix 15 meter or industry standard. Time of fix position is less that 1 minute. Battery operated Backlit display.	1	0
С	98	Gloves, Chemical Resistant	12	12
Е	99	Glue Gun- Heat-resistant plastic housing, handle, 110-120 volt, 60 cycle, AC, UL listed	1	1
С	100	Goggles, Chemical Splash - Soft frame, single lens, stack strap vents, clear lens, elastic headband. May be worn over glasses. Meets ANSI Spec Z87.1.	28	28

- i	e	Middle School Equipment List	led	*_
Equipment / Consumeable	Item Number	Item Description	Recommended	Industry Certification*
E E	3 Z	E=Equipment (life expectancy 5 or more years)	шL	Industry rtificatio
qui ns	Ε	C= Consumble (life expectancy less than 5 years)	no:	<u>=</u> <u>=</u>
ы с	lte	*Contact Region Agricultural Education office for Industry Certification	Sec	ပိ
С	101	Graduated Cylinder- 50 ml, heat resistant, polypropylene, autoclavable	14	7
)	101	Greenhouse- Poly carbonate ultraviolet resistant glazing, complete with	1-7	
Е	102	benches, concrete walkway, floor drains, fully automated environmental	1	1
		controls.		•
_	400	Hacksaw, Adjustable - Nickel plated steel frame, adjustable for 8", 10", or 12"		
Е	103	blades, plastic pistol grip handle, complete with one blade	2	1
E	104	Hammer- Dead blow, one each 14 and 24 oz.	1	0
Е	105	Hammer, Ball Peen- Set of 4, one each if approximate 12, 16, 24, and 48 oz.;	4	^
	105	drop forged ally steel, polished face and peen, wood handle	1	0
Е	106	Hammer, Chipping - Standard duty cone and chisel head brazed to spiral steel	3	0
	100	handle	3	U
E	107	Hammer, Curved Claw, 16 Oz.	6	3
Е	108	Hand Saw, Crosscut, 8 Pt Hardened and tempered steel blade, taper ground,	1	0
		wood handle, 8 points per inch, 26" blade	•	
E		Hand Truck- 1000 lb. capacity	1	1
E	110	Hands Lens	20	14
Е	111	Hoe, Garden Type- Heavy duty type, 6 1/4 " X 4 3/4" beveled blade, one piece	6	2
_	440	forging	4	
Е	112	Honey Bee Module Unit- complete with observation hive	1	0
С	113	Hose Nozzle- Pistol-grip with automatic shut off, brass valves. Chrome plated.	3	0
Е	114	Hose Reel- Durable poly frame, holds up to 200 ft. of 5/8" diameter hose, 3 ft.	4	0
		connector hose, stationary mount or wheel mount		
С	115	Hose, Soaker- 25' vinyl construction, one end fitted with 3/4" female hose swivel adapter, other end with removable end for flushing.	8	0
		Hot plate, Laboratory Quality, Single Unit Buffet- Single range-type tubular, self-		
Е	116	cleaning heating element, 1000 watts, 120V AC	7	4
Е	117	Hydroponic Lab	2	1
		Ice Cream Maker - 2 quart capacity, quick freeze type, 120 V. electric motor		
E	118	driven, or manual crank type.	5	3
		Increment Borer- High quality steel, three thread design, Teflon coated. Will		
Е	119	extract .200 inch core. Six to twelve inch length. Complete with holster.	6	1
Е	120	Increment Borer Sharpening Kit- Includes assortment of stones and lubricant	1	0
		with cork.		
Е	121	Incubators- Teaching unit, complete, for incubating microorganism cultures.	4	2
E	122	Insect Net- Sweep type	14	7
E	123	Instructors Demonstration Desk- Complete with water, gas, sink electricity,	1	1
_		overhead mirror as needed for specific course		
Е	124	Knife, Shearing - made from tool steel. Grooved wood safety handle. 14" blade, 5" handle.	1	0
Е	125	Knives, Budding, 6 1/2"- Stationary hand forged blade	1	0
E		Knives, Grafting, 6 1/2"- Stationary hand forged blade	1	0
E	127	Knives, Meat Cutting	10	4
Е	128	Knives, Paring- 3" blade, dishwasher safe, stainless steel	14	5
С	129	Laboratory Kit for Student Biological Studies	28	20
С	130	Laboratory Safety Chart for Animal Science- Approximately 36" X 36"	1	1

e	Ļ	Middle School Equipment List	þ	*_
Equipment / Consumeable	Item Number		Recommended	Industry Certification*
me	<u>n</u>	Item Description	me	Industry rtificatio
uip	2	E=Equipment (life expectancy 5 or more years)	Ē	ti id
Eq	ten	C= Consumble (life expectancy less than 5 years)	ecc	- e
0		*Contact Region Agricultural Education office for Industry Certification	Ř	
Е	131	Laboratory Tables- To accommodate 4 students, with sinks, water and gas	7	6
Е	132	connections, student storage, and standard laboratory Laboratory Techniques Chart Animals- Approximately 36" X 36"	1	1
		Ladder, Fiberglass, Step, 6 Ft 300 lb. rating, high strength extended channel		<u> </u>
E	133	rails with slip resistant safety shoe, 6' standing height	1	0
Е	134	Laminar Flow Hood, with UV light	1	0
		Land Measuring Wheel- Heavy duty, long distance for agriculture measurement,	4	4
Е	135	records up to 100,000 ft. without resetting	1	1
С	136	Landscape Template	1	0
E	137	Laser Range finder- Measures yards or meters	1	0
		Level, Farm Type-12 power erecting telescope, 4 ft. minimum focus, rack and		_
E	138	pinion external focusing and fixed cross hairs, 5 ft. stiff-leg tripod, leveling rod	1	1
		carrying case, plumb bob and direction hook.		
Е	139	Leveling Rod- Fiberglass, 25' extended, increments of feet, tenths and	1	1
		hundredths. Light Garden- 4 tier, 3 tier, lighted, minimum of 4 foot 40 watt florescent bulbs		
Е	140	watch tier, approximately 62" high, 49" long and 23" wide, complete with trays	3	0
_	140	and automatic timer	3	U
Е	141	Light Meter- To measure over a range of 10 to 10,000 foot candles.	1	0
E	142	Magnifier- Extension arm type, with built-in light unit, 5" 3 diopter glass lens	1	1
Е	143	Mallet, Carpenter's Wood - Barrel shaped head 2 1/2" x 3" diameter and 6" long,	1	0
		wood handle		
С	144	Measuring Cup Set- glass or durable plastic, one each 8 oz, 16 oz, and 32 oz	14	7
С	145	Measuring Spoon Set- Durable plastic, graduated to 1/8 teaspoon	14	7
Е		Meat Cutting Board- Wood or plastic	1	0
С	147	Meat Quality Grading Cards (Set)- USDA	1	1
Ε	148	Meter, Dissolved Oxygen, LCD read-out w/ 12' cable	1	0
С	149	Metric System Laboratory Chart- Approximately 36" X 36"	1	1
E	150	Micro Video Projector, for use with microscope	1	1
		Micrometer Depth Gauge- Satin-chrom finish on thimble and sleeve, graduated		
Е	151	in thousands of an inch, hardened and ground screw and base, ratchet stop and	1	0
		lock nut, range 0" to 3", base length 3", to be furnished with three round rods	-	•
_	450	and contained in wood case	4	
Е	152	Micrometer,(set), Outside (0-1", 1"-2",2"-3", 3"-4".)	1	0
		Micrometers, Set, Inside Type- Graduated in thousands of an inch, 1 1/2" to 8"		
Е	153	range, 5 tubular measuring rods, satin-chrome finish on head, hardened	1	0
		threads, handle for use in reaching deep holes, packed in wooden box.		
Е	154	Micro-Pipetter- Standard 4" medicine dropper with rubber bulb	1	1
E		Microscope Lens- Oil immersion	2	1
С		Microscope Slides- Glass with cover slips	4	1
		Microscope- Stereo, 10X ocular lens, 4X, 10X, and 40X objective lens (par		
E	157	focal), stage with stage clips and iris diaphragm, coarse and fine adjustment,	10	5
	137	external light source such as 10W gooseneck lamp, removable lens for	.0	3
		attachment of oil immersion lens		

Item Description E=Equipment (life expectancy 5 or more years) C= Consumble (life expectancy less than 5 years) C= Consumble (life expectancy less than	_ <u>e</u>	_	Middle School Equipment List	pa	*_
Microscope, Dissecting - With illuminator, 2X and 4X ratable objectives, adjustable interpupillary distance of 55 to 75 mm, large field of view and working distance Microwave Oven-1 cubic foot capacity minimum, 900 watts cooking power, electronic digital display	ent eabl	upe		pu	آن ح ا
Microscope, Dissecting - With illuminator, 2X and 4X ratable objectives, adjustable interpupillary distance of 55 to 75 mm, large field of view and working distance Microwave Oven-1 cubic foot capacity minimum, 900 watts cooking power, electronic digital display	a a	Į.	• • • • • • • • • • • • • • • • • • •	шe	ust caf
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E 158 adjustable interpupillary distance of 55 to 75 mm, large field of view and working distance E 159 Microwave Oven-1 cubic foot capacity minimum, 900 watts cooking power, electronic digital display E 160 Mist Propagation Time Switch Controlled Unit 1 0 0 Mister Propagation Time Switch Controlled Unit 1 1 0 0 Mister Changiton Time Switch Controlled Unit 1 1 0 0 Mister Changiton Time Switch Controlled Unit 1 1 0 0 Mister Changiton Time Switch Controlled Unit 1 1 0 0 Mister Changiton Time Switch Controlled Unit 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0		<u> </u>	œ	
distance 159 Microwave Oven-1 cubic foot capacity minimum, 900 watts cooking power, electronic digital display E 160 Mist Propagation/ Time Switch Controlled Unit 1 0 E 161 Mixer- Laboratory style, handheld electric, 5 speed 3 1 C 162 Mixing Bowl Sets - Unbreakable, odor and stain resistant, 1 each approximately 1.5, 2 and 3 quart size with sealing lids 1.5, 2 and 3 quart size with sealing lids 1.5, 2 and 3 quart size with sealing lids 1.5, 2 and 3 quart size with sealing lids 1.6	_		· · · · · · · · · · · · · · · · · · ·		
E 159 Microwave Oven-1 cubic foot capacity minimum, 900 watts cooking power, electronic digital displays E 160 Mist Propagation/ Time Switch Controlled Unit 1 0 0 Mist Propagation/ Time Switch Controlled Unit 1 1 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	E	158		14	3
E 169 electronic digital display E 160 Mist Propagation/ Time Switch Controlled Unit E 161 Mixer- Laboratory style, handheld electric, 5 speed 3 1 C 162 Mixing Bowl Sets- Unbreakable, odor and stain resistant, 1 each approximately 1,5,2 and 3 quart size with sealing lids C 163 Mixing Spoon Set, 3 spoons of various sizes, heat, odor and stain resistant, microwave and dishwasher safe Module- Training, Agricultural Controls, system contains a complete set of components to carry out experiments in controlling electrical systems in agricultural applications Module- Training, Basic Electricity and Electronics, includes the following: training board with all pre-mounted components, AC/DC power supply; courseware; computer assisted instruction package Module- Training, CD-1 Exploring Power Technology, includes: complete workstation, steel workbench, 60° X 30° X 33°, bench carrel, 60° X 16.5° X 20°, 2 stools, 2 headsets, includes all engines, tools, assemblies and components for one workstation module Module- Training, Engineering Technology, includes student and instructor courseware, AV and computer related instructional materials and all necessary supplies and equipment Module- Training, Hydraulics, includes the following: premounted components for supplies and equipment Module- Training, Mechanisms, includes the following: rest panel, motor driven; hardware components; courseware; technology software Module- Training, Mechanisms, includes the following: student console; bench carrel; AV equipment (2 persons); courseware; equipment package; automated lecture program Module- Training, Skills, for 2 students, includes the following: mounting board; hardware components with trays; courseware; tool package. 4 to 8 10 student modules optional E 172 Mortar, pestil, glass Mower, Riding- Cutting height to adjust from 1 1/2 to 4 in. from driver's seat. Foot operated brake system. Blade clutch hand operated with safety interlock. Steel wheels with pneumatic tires. Transmission with forward and reverse gears. Engine: 8 H.P.,					
electronic digital display E 160 Mist Propagation Time Switch Controlled Unit E 161 Mister-Laboratory style, handheld electric, 5 speed C 162 Mixing Bowl Sets- Unbreakable, odor and stain resistant, 1 each approximately 1, 5, 2 and 3 quart size with sealing lids Mixing Spoon Set, 3 spoons of various sizes, heat, odor and stain resistant, microwave and dishwasher safe Module- Training, Agricultural Controls, system contains a complete set of components to carry out experiments in controlling electrical systems in agricultural applications Module- Training, Basic Electricity and Electronics, includes the following: training board with all pre-mounted components, AC/DC power supply; courseware; computer assisted instruction package Module- Training, CD-1 Exploring Power Technology, includes: complete workstation, steel workbench, 60" X 30" X 33", bench carrel, 60" X 16.5" X 20", 2 stools, 2 headsets, includes all engines, tools, assemblies and components for one workstation module Module- Training, Engineering Technology, includes student and instructor E 167 courseware, AV and computer related instructional materials and all necessary supplies and equipment Module- Training, Hydraulics, includes the following: premounted components with ball check quick disconnect fittings; courseware; computer sided instructional software Module- Training, Mechanisms, includes the following: test panel, motor driven; hardware components; courseware; technology software Module- Training, Precision Measuring, includes the following: student console; bench carrel; AV equipment (2 persons); courseware; equipment package; automated lecture program Module- Training, Skills, for 2 students, includes the following: mounting back; hardware components with trays; courseware; tool package. 4 to 8 student modules optional Mover, Riding- Cutting height to adjust from 1 1/2 to 4 in. from driver's seat. Foot operated brake system. Blade clutch hand operated with safety interlock. Steel wheels with pneumatic tires. Transmission with	E	159		2	1
E 161 Mixer- Laboratory style, handheld electric, 5 speed C 162 Mixing Bowl Sets- Unbreakable, odor and stain resistant, 1 each approximately 1.5, 2 and 3 quart size with sealing lids C 163 Mixing Spoon Set, 3 spoons of various sizes, heat, odor and stain resistant, microwave and dishwasher safe Module- Training, Agricultural Controls, system contains a complete set of components to carry out experiments in controlling electrical systems in agricultural applications Module- Training, Basic Electricity and Electronics, includes the following: training board with all pre-mounted components, AC/DC power supply; courseware; computer assisted instruction package Module- Training, CD-1 Exploring Power Technology, includes: complete workstation, steel workbench, 60" X 30" X 33", bench carrel, 60" X 16.5" X 20", 2 stools, 2 headsets, includes all engines, tools, assemblies and components for one workstation module Module- Training, Engineering Technology, includes student and instructor courseware, AV and computer related instructional materials and all necessary supplies and equipment Module- Training, Hydraulics, includes the following: premounted components with ball check quick disconnect fittings; courseware; computer sided instructional software Module- Training, Mechanisms, includes the following: test panel, motor driven; hardware components; courseware; technology software Module- Training, Precision Measuring, includes the following: student console; bench carrel; AV equipment (2 persons); courseware; equipment package; automated lecture program Module- Training, Precision Measuring, includes the following: mounting board; hardware components with trays; courseware; tool package. 4 to 8 Module- Training, Precision Measuring, includes the following: mounting board; hardware components with trays; courseware; tool package. 4 to 8 Module- Training, Precision Measuring, includes the following: mounting board; hardware components with trays; courseware; tool package. 4 to 8 Module- Training, Precision					
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C 162 1.5, 2 and 3 quart size with sealing lids C 163 Mixing Spoon Set, 3 spoons of various sizes, heat, odor and stain resistant, microwave and dishwasher safe Module- Training, Agricultural Controls, system contains a complete set of components to carry out experiments in controlling electrical systems in agricultural applications Module- Training, Basic Electricity and Electronics, includes the following: training board with all pre-mounted components, AC/DC power supply; courseware; computer assisted instruction package Module- Training, CD-1 Exploring Power Technology, includes: complete workstation, steel workbench, 60" X 30" X 33", bench carrel, 60" X 16.5" X 20", 2 stools, 2 headsets, includes all engines, tools, assemblies and components for one workstation module Module- Training, Engineering Technology, includes student and instructor courseware, A/V and computer related instructional materials and all necessary supplies and equipment Module- Training, Hydraulics, includes the following: premounted components with ball check quick disconnect fittings; courseware; computer sided instructional software E 169 Module- Training, Mechanisms, includes the following: test panel, motor driven; hardware components; courseware; technology software Module- Training, Precision Measuring, includes the following: student console; bench carrel; A/V equipment (2 persons); courseware; equipment package; automated lecture program Module- Training, Wiring Skills, for 2 students, includes the following: mounting board; hardware components with trays; courseware; tool package. 4 to 8 1 173 Module- Training, Wiring Skills, for 2 students, includes the following: mounting board; hardware components with trays; courseware; tool package. 4 to 8 1 2 Module- Training, Wiring Skills, for 2 students, includes the following: mounting board; hardware components with trays; courseware; tool package. 4 to 8 1 3 Mower, Riding- Cutting height to adjust from 1 1/2 to 4 in, from driver's seat. Foot operated brake system. Blade clutch	E	161		3	1
1.5, 2 and 3 quart size with sealing lids 163 Mixing Spoons Set, 3 spoons of various sizes, heat, odor and stain resistant, microwave and dishwasher safe Module- Training, Agricultural Controls, system contains a complete set of components to carry out experiments in controlling electrical systems in agricultural applications 1	С	162	•	14	7
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E 177 Multimeter- Volt, Ohm, ammeter 6 2	Е				2

Item Description E=Equipment (life expectancy 5 or more years) C= Consumble (life expectancy less than 5 years) C= Consumble (life expectancy less than	. 0	_	Middle Cahaol Equipment List	ō	*
Multimeter, Digital, Hand-Held- General purpose model for a wide range of application; high resolution count display; protective holister with flex stand; Voltage AC-DC, Current Amps Ac-DC, Resistence (Ohms) Automatic touch hold; diode test, Audible Continuity beeper. Voltage - AC range 3.2/ 32.0 / 1 600; Dc range 320mV/ 3.2/ 32 / 320 / 600; Current - Amps AC 32m / 320m / 10 Amps DC 32m / 320m / 10; Resistence (Ohms) 320 / 3.2k / 32k / 320k / 3.2m / 32m. C 179 Nozzle, Water Breaker Nozzle, Water Hose- Pistol grip, chrome plated non-corroding zinc body, brass and chrome plated steel parts, plunger and trigger type valve control, lock-on device, filter end E 181 Nursery Cart 1 1 0 device, filter end E 181 Nursery Spade 1 1 1 1 0 Oven, Toaster Convection - 9 cubic feet minimum capacity, view glass door, and insulated for cool exterior surfaces, fully adjustable temperature range up to 450 1 degrees F, continuous cleaning, adjustable cooking levels E 186 Dverhead Projector or Document Camera 1 1 1 Dept Heter, portable 1 1 Dept Heter, waterproof 2 1 Dept Heter, United Water Projector or Document Camera 1 Dept Heter, Portable 1 Dept Heter, Waterproof 2 1 Dept Heter, United Water Projector or Document Camera 1 Dept Heter, United Water Projector or Document Camera 1 Dept Heter, Waterproof 2 1 Dept Heter, United Water Projector or Document Camera 1 Dept Heter, Waterproof 2 1 Dept Heter, Waterproof 2 1 Dept Heter, Waterproof 2 1 Dept Heter, United Wate	nt/ abl	pel	Middle School Equipment List	ρ	on.
Multimeter, Digital, Hand-Held- General purpose model for a wide range of application; high resolution count display; protective holister with flex stand; Voltage AC-DC, Current Amps Ac-DC, Resistence (Ohms) Automatic touch hold; diode test, Audible Continuity beeper. Voltage - AC range 3.2/ 32.0 / 1 600; Dc range 320mV/ 3.2/ 32 / 320 / 600; Current - Amps AC 32m / 320m / 10 Amps DC 32m / 320m / 10; Resistence (Ohms) 320 / 3.2k / 32k / 320k / 3.2m / 32m. C 179 Nozzle, Water Breaker Nozzle, Water Hose- Pistol grip, chrome plated non-corroding zinc body, brass and chrome plated steel parts, plunger and trigger type valve control, lock-on device, filter end E 181 Nursery Cart 1 1 0 device, filter end E 181 Nursery Spade 1 1 1 1 0 Oven, Toaster Convection - 9 cubic feet minimum capacity, view glass door, and insulated for cool exterior surfaces, fully adjustable temperature range up to 450 1 degrees F, continuous cleaning, adjustable cooking levels E 186 Dverhead Projector or Document Camera 1 1 1 Dept Heter, portable 1 1 Dept Heter, waterproof 2 1 Dept Heter, United Water Projector or Document Camera 1 Dept Heter, Portable 1 Dept Heter, Waterproof 2 1 Dept Heter, United Water Projector or Document Camera 1 Dept Heter, United Water Projector or Document Camera 1 Dept Heter, Waterproof 2 1 Dept Heter, United Water Projector or Document Camera 1 Dept Heter, Waterproof 2 1 Dept Heter, Waterproof 2 1 Dept Heter, Waterproof 2 1 Dept Heter, United Wate	me	E	• • • • • • • • • • • • • • • • • • •	neı	str
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Multimeter, Digital, Hand-Held- General purpose model for a wide range of application; high resolution count display; protective holister with flex stand; Voltage AC-DC, Current Amps Ac-DC, Resistence (Ohms) Automatic touch hold; diode test, Audible Continuity beeper. Voltage - AC range 3.2/ 32.0 / 1 600; Dc range 320mV/ 3.2/ 32 / 320 / 600; Current - Amps AC 32m / 320m / 10 Amps DC 32m / 320m / 10; Resistence (Ohms) 320 / 3.2k / 32k / 320k / 3.2m / 32m. C 179 Nozzle, Water Breaker Nozzle, Water Hose- Pistol grip, chrome plated non-corroding zinc body, brass and chrome plated steel parts, plunger and trigger type valve control, lock-on device, filter end E 181 Nursery Cart 1 1 0 device, filter end E 181 Nursery Spade 1 1 1 1 0 Oven, Toaster Convection - 9 cubic feet minimum capacity, view glass door, and insulated for cool exterior surfaces, fully adjustable temperature range up to 450 1 degrees F, continuous cleaning, adjustable cooking levels E 186 Dverhead Projector or Document Camera 1 1 1 Dept Heter, portable 1 1 Dept Heter, waterproof 2 1 Dept Heter, United Water Projector or Document Camera 1 Dept Heter, Portable 1 Dept Heter, Waterproof 2 1 Dept Heter, United Water Projector or Document Camera 1 Dept Heter, United Water Projector or Document Camera 1 Dept Heter, Waterproof 2 1 Dept Heter, United Water Projector or Document Camera 1 Dept Heter, Waterproof 2 1 Dept Heter, Waterproof 2 1 Dept Heter, Waterproof 2 1 Dept Heter, United Wate	Eq.	ten		၁၁၉	F F
application; high resolution count display; protective holster with flex stand; Voltage AC-DC, Current Amps Ac-DC, Resistence (Ohms) Automatic touch hold; diode test, Audible Continuity beeper. Voltage - AC range 3.2/ 32/ 320 / 600; Dr range 320mV/ 3.2/ 32 / 320 / 600; Current - Amps AC 32m / 320m / 10 Amps DC 32m / 320m / 10; Resistence (Ohms) 320 / 3.2k / 32k / 320k / 3.2m / 32m. C 179 Nozzle, Water Breaker Nozzle, Water Hose- Pistol grip, chrome plated non-corroding zinc body, brass and chrome plated steel parts, plunger and trigger type valve control, lock-on device, filter end Nursery Cart 1 0 0 Nozzle, Water Hose- Pistol grip, chrome plated non-corroding zinc body, brass and chrome plated steel parts, plunger and trigger type valve control, lock-on device, filter end Nursery Spade 1 1 1 0 0 Nozzle, Water Hose- Pistol grip, chrome plated non-corroding zinc body, brass and chrome plated steel parts, plunger and trigger type valve control, lock-on device, filter end Nursery Spade 1 1 1 0 0 Nozzle, Water Hose- Pistol grip, chrome plated non-corroding zinc body, brass and chrome plated steel parts, plunger and trigger type valve control, lock-on device, filter end Nursery Spade 1 1 1 0 0 Nozzle, Water Hose- Pistol grip, chrome plated non-corroding zinc body, brass and chrome plated steel parts, plunger and trigger type valve control, lock-on device, filter end Nursery Spade 1 1 0 0 Nozzle, Water Hose- Pistol grip, chrome plated for corroding zinc body, brass and chrome plated steel parts, plunger device, filter end filter protection of the plate of the plate plate plate filter plate pl	- 3	_		<u>~</u>	0
Voltage AC-DC, Current Amps Ac-DC, Resistence (Ohms) Automatic touch hold; diode test, Audible Continuity beeper. Voltage - AC range 3.2/ 32 / 320 / 1 1 600; Dc range 3.20 m/V 3.2 / 32 / 320 / 600; Current - Amps AC 32m / 320m / 10 Amps DC 32m / 320m / 10; Resistence (Ohms) 320 / 3.2k / 320k / 3.2m / 32m. C 179 Nozzle, Water Breaker 1 0 1 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0					
E 178 hold; diode test, Audible Continuity beeper. Voltage - AC range 3.2/32/320/ 600; Dc range 320mV/ 3.2/32/320/600; Current - Amps AC 32m / 320m / 10 Amps DC 32m / 320m / 10; Resistence (Ohms) 320 / 3.2k / 320k / 3.2m / 32m. C 179 Nozzle, Water Breaker Nozzle, Water Hose- Pistol grip, chrome plated non-corroding zinc body, brass and chrome plated steel parts, plunger and trigger type valve control, lock-on device, filter end E 181 Nursery Cart 1 0 0 Nursery Spade 1 1 1 1 0 0 Nursery Spade 1 1 1 1 0 0 Nursery Spade 1 1 1 1 1 0 0 Nursery Spade 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
600; Dc range 320m/ 3.2 / 32 / 320 / 600; Current - Amps AČ 32m / 320m / 10 Amps DC 32m / 320m / 10; Resistence (Ohms) 320 / 3.2k / 32k / 320k / 3.2m / 32m. C 179 Nozzle, Water Breaker Nozzle, Water Hose- Pistol grip, chrome plated non-corroding zinc body, brass and chrome plated steel parts, plunger and trigger type valve control, lock-on device, filter end Nursery Cart E 181 Nursery Spade C 183 Oven Mitts- All Teflon, quilted Oven, Toaster Convection - 9 cubic feet minimum capacity, view glass door, insulated for cool exterior surfaces, fully adjustable temperature range up to 450 degrees F, continuous cleaning, adjustable cooking levels C 185 Overhead Projector or Document Camera E 186 pH Meter, portable E 187 pH Tester- Pocket-size meter, waterproof E 188 pHick-Up Tool- Designed to position and retrieve small objects, two claw finger that will open to 1", flexible section 8" long, overall length 17 3/4" E 189 Pipetter- 10 ML, 1/10 ml subdivisions Plant Display Cart- 5 tilling shelves, accommodates 1020 flats, 5" nylon or rubber wheels, pivoting front wheels for easy steering, fixed rear wheels, stainless/galvanized steel E 191 Plant Tissue Testing Kit Planting Bag, Tree - Neoprene coated nylon that is puncture, tear, abrasion and mildrew resistant. Silicon coated stitches at all stress points. Double bottom with stay open corners. Nylon belt with no slip buckles. Planting Bar, Tree- All metal alloy steel construction. Blade and footstep one-piece construction. Plat or pointed blade. 3" to 4" wide, 10" to 12" long blade. Bar 38" to 40" long. E 195 Plant Propagation Center- 3 shelves with lights Pliers, Diagonal Cutting, 8"- Side cutting, keen edged cutters and spring tempered handles, milled teeth, long nose Pliers, Interlocking Channel, 10"- Seven parallel jaw positions up to 2", chrome finish, 10" long Pliers, Lineman's, 9"- Side cutting, keen edged cutters and spring tempered handles, milled teeth, long nose Pliers, Lineman's, 9"- Side cutting, keen edged cutters and spring tempered h	_		· · · · · · · · · · · · · · · · · · ·	_	_
Amps DC 32m / 320m / 10; Resistence (Ohms) 320 / 3.2k / 32k / 320k / 3.2m / 32m. C 179 Nozzle, Water Breaker Nozzle, Water Breaker Nozzle, Water Hose- Pistol grip, chrome plated non-corroding zinc body, brass and chrome plated steel parts, plunger and trigger type valve control, lock-on device, filter end E 181 Nursery Cart E 181 Nursery Spade I 1 0 C 183 Oven Mitts- All Teflon, quilted Oven, Toaster Convection - 9 cubic feet minimum capacity, view glass door, insulated for cool exterior surfaces, fully adjustable temperature range up to 450 degrees F, continuous cleaning, adjustable cooking levels E 185 Overhead Projector or Document Camera E 186 Deyrhead Projector or Document Camera E 187 pH Tester- Pocket-size meter, waterproof Pick-Up Tool- Designed to position and retrieve small objects, two claw finger that will open to 1", flexible section 8" long, overall length 17 3/4" E 189 Pipetter- 10 ML, 1/10 ml subdivisions Plant Display Cart- 5 tilting shelves, accommodates 1020 flats, 5" nylon or rubber wheels, pivoling front wheels for easy steering, fixed rear wheels, stainless/galvanized steel E 191 Plant Study Center- 3 shelves with lights C 192 Plant Tissue Testing Kit Planting Bag, Tree - Neoprene coated nylon that is puncture, tear, abrasion and mildrew resistant. Silicon coated stitches at all stress points. Double bottom with stay open corners. Nylon belt with no slip buckles. Plant propagation Center- 3 shelves with lights Plant Propagation Center- 3 shelves with lights Plant Propagation Center- 3 shelves with lights Pless, Combination, 6" - Slip joint, chrome plated, flat and curved jaws with sharp matching teeth, 6" long Pliers, Lineman's, 9" - Side cutting, keen edged cutters and spring tempered handles, milled teeth, long nose Pliers, Interlocking Channel, 10" - Seven parallel jaw positions up to 2", chrome finish, 10" long Pliers, Interlocking Channel, 10" - Seven parallel jaw positions up to 2", chrome finish, 10" long Pliers, Lineman's, 9" - Side cutting, keen edged cutt	E	178		1	1
C 179 Nozzle, Water Breaker Nozzle, Water Hose- Pistol grip, chrome plated non-corroding zinc body, brass and chrome plated steel parts, plunger and trigger type valve control, lock-on device, filter end E 181 Nursery Cart 1 0 E 182 Nursery Spade 1 1 1 Oven Mitts- All Teflon, quilted Oven, Toaster Convection - 9 cubic feet minimum capacity, view glass door, insulated for cool exterior surfaces, fully adjustable temperature range up to 450 degrees F, continuous cleaning, adjustable cooking levels E 185 Overhead Projector or Document Camera 1 1 0 E 186 pH Meter, portable 1 1 0 E 187 pH Tester- Pocket-size meter, waterproof 2 1 E 188 Pipetter- 10 ML, 1/10 ml subdivisions Plant Display Cart- 5 tilting shelves, accommodates 1020 flats, 5" nylon or rubber wheels, pivoting front wheels for easy steering, fixed rear wheels, stainless/galvanized steel E 191 Plant Study Center- 3 shelves with lights 1 0 193 Planting Bag, Tree - Neoprene coated nylon that is puncture, tear, abrasion and mildrew resistant. Silicon coated stitches at all stress points. Double bottom with stay open corners. Nylon belt with no slip buckles. Planting Bag, Tree - Neoprene coated nylon that is puncture, tear, abrasion and mildrew resistant. Silicon coated stitches at all stress points. Double bottom with stay open corners. Nylon belt with no slip buckles. Planting Bag, Tree - Neoprene coated nylon that is puncture, tear, abrasion and mildrew resistant. Silicon coated stitches at all stress points. Double bottom with stay open corners. Nylon belt with no slip buckles. Planting Bag, Tree - Neoprene placed and footstep one-piece construction. Flat or pointed blade. 3" to 4" wide, 10" to 12" long blade. Bar 38" to 4" long. E 195 Plant Propagation Center-3 shelves with lights 1 0 Bar 38" to 40" long. E 196 Piers, Diagonal Cutting, 8". Side cutting, keen edged cutters and spring tempered handles, drop forged alloy steel, polished head, insulated and cushioned handles, milled teeth, long nose Piers, Ineman's, 9". Side cutting, keen ed			·		
C 179 Nozzle, Water Breaker Nozzle, Water Hose- Pistol grip, chrome plated non-corroding zinc body, brass and chrome plated steel parts, plunger and trigger type valve control, lock-on device, filter end E 181 Nursery Cart 1 0 E 182 Nursery Spade 1 1 1 C 183 Oven Mitts- All Teflon, quilted 1 1 1 C 183 Oven Mitts- All Teflon, quilted 1 1 1 7 C 184 insulated for cool exterior surfaces, fully adjustable temperature range up to 450 degrees F, continuous cleaning, adjustable cooking levels E 185 Overhead Projector or Document Camera 1 1 0 E 187 pH Tester- Pocket-size meter, waterproof 2 1 E 188 pH Meter, portable 1 1 0 E 189 Pipetter- 10 ML, 1/10 ml subdivisions 1 1 0 E 189 Pipetter- 10 ML, 1/10 ml subdivisions 1 1 0 E 190 Plant Display Cart - 5 tilting shelves, accommodates 1020 flats, 5" nylon or rubber wheels, pivoting front wheels for easy steering, fixed rear wheels, stainless/galvanized steel 1 1 0 E 191 Plant Study Center- 3 shelves with lights 1 0 Planting Bag, Tree - Neoprene coated nylon that is puncture, tear, abrasion and mildrew resistant. Silicon coated stitches at all stress points. Double bottom with stay open corners. Nylon beit with no slip buckles. Planting Bag, Tree - Neoprene coated nylon that is puncture, tear, abrasion and mildrew resistant. Silicon coated stitches at all stress points. Double bottom with stay open corners. Nylon beit with no slip buckles. Planting Bar, Tree- All metal alloy steel construction. Blade and footstep one-piece construction. Flat or pointed blade. 3" to 4" wide, 10" to 12" long blade. Bar 38" to 40" long. E 195 Plant Propagation Center- 3 shelves with lights 1 0 Piers, Combination, 6" - Slip joint, chrome plated, flat and curved jaws with sharp matching teeth, 6" long Piers, Diagonal Cutting, 8" - Side cutting, keen edged cutters and spring tempered handles, drop forged alloy steel, polished head, insulated and cushioned handles, milled teeth, long nose Piers, Interlocking Channel, 10" - Seven parallel jaw positions up to 2", chrome finish, 10" long Piers, Linem			·		
C 180 Nozzle, Water Hose- Pistol grip, chrome plated non-corroding zinc body, brass and chrome plated steel parts, plunger and trigger type valve control, lock-on device, filter end E 181 Nursery Cart 1 0 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-	170		2	^
C 180 and chrome plated steel parts, plunger and trigger type valve control, lock-on device, filter end device, filter end 1 0 0		179	·		U
device, filter end E 181 Nursery Cart C 183 Oven Mitts- All Teflon, quilted Oven, Toaster Convection9 cubic feet minimum capacity, view glass door, a line insulated for cool exterior surfaces, fully adjustable temperature range up to 450 degrees F, continuous cleaning, adjustable cooking levels E 185 Overhead Projector or Document Camera E 186 pH Meter, portable E 187 pH Tester- Pocket-size meter, waterproof E 188 Pick-Up Tool- Designed to position and retrieve small objects, two claw finger that will open to 1", flexible section 8" long, overall length 17 3/4" E 189 Pipetter- 10 ML, 1/10 ml subdivisions Plant Display Cart- 5 tilting shelves, accommodates 1020 flats, 5" nylon or rubber wheels, pivoting front wheels for easy steering, fixed rear wheels, stainless/galvanized steel E 191 Plant Study Center- 3 shelves with lights E 192 Plant Tissue Testing Kit Planting Bag, Tree - Neoprene coated nylon that is puncture, tear, abrasion and mildrew resistant. Silicon coated stitches at all stress points. Double bottom with stay open corners. Nylon belt with no slip buckles. Planting Bar, Tree- All metal alloy steel construction. Blade and footstep one-piece construction. Flat or pointed blade. 3" to 4" wide, 10" to 12" long blade. Bar 38" to 40" long. E 194 Pliers, Combination, 6"- Slip joint, chrome plated, flat and curved jaws with sharp matching teeth, 6" long Pliers, Combination, 6"- Slip joint, chrome plated, flat and curved jaws with sharp matching teeth, 6" long Pliers, Combination, 6"- Slip joint, chrome plated, flat and curved jaws with sharp matching teeth, 6" long Pliers, Combination, 6"- Slip joint, chrome plated, flat and curved jaws with sharp matching teeth, 6" long Pliers, Lineman's, 9"- Side cutting, keen edged cutters and spring E 198 Piers, Lineman's, 9"- Side cutting, keen edged cutters and spring tempered handles, drop forged alloy steel, polished head, insulated and cushioned Bar 36" to 40" long. Pliers, Lineman's, 9"- Side cutting, keen edged cutters and spring tempere	C	180	· · · · · · · · · · · · · · · · · · ·	2	0
E 181 Nursery Cart 1 1 0 E 182 Nursery Spade 1 1 1 C 183 Oven Mitts- All Teflon, quilted 14 7 Oven, Toaster Convection9 cubic feet minimum capacity, view glass door, insulated for cool exterior surfaces, fully adjustable temperature range up to 450 degrees F. continuous cleaning, adjustable cooking levels E 185 Overhead Projector or Document Camera 1 1 1 E 186 pH Meter, portable 1 1 0 E 187 pH Tester- Pocket-size meter, waterproof 2 1 E 188 Pick-Up Tool- Designed to position and retrieve small objects, two claw finger that will open to 1", flexible section 8" long, overall length 17 3/4" 1 0 E 189 Pipetter- 10 ML, 1/10 ml subdivisions Plant Display Cart- 5 tilting shelves, accommodates 1020 flats, 5" nylon or rubber wheels, pivoting front wheels for easy steering, fixed rear wheels, stainless/galvanized steel E 191 Plant Study Center- 3 shelves with lights 1 1 0 E 192 Plant Tissue Testing Kit 1 1 1 C 193 Planting Bag, Tree - Neoprene coated nylon that is puncture, tear, abrasion and mildrew resistant. Silicon coated stitches at all stress points. Double bottom with stay open corners. Nylon belt with no slip buckles. P Planting Bar, Tree- All metal alloy steel construction. Blade and footstep one-piece construction. Flat or pointed blade. 3" to 4" wide, 10" to 12" long blade. Bar 38" to 40" long. E 195 Plant Propagation Center- 3 shelves with lights 1 0 Birs, Combination, 6"- Slip joint, chrome plated, flat and curved jaws with sharp matching teeth, 6" long Pliers, Combination, 6"- Slip joint, chrome plated, flat and curved jaws with sharp matching teeth, 6" long Pliers, Combination, 6"- Slip joint, chrome plated, flat and curved jaws with sharp matching teeth, 6" long Pliers, Interlocking Channel, 10"- Seven parallel jaw positions up to 2", chrome finish, 10" long Pliers, Lineman's, 9"- Side cutting, keen edged cutters and spring tempered handles, drop forged alloy steel, polished head, insulated and cushioned handles, milled teeth, long nose Pliers, Lineman's, 9"- Side cutting, keen edged cutters and spr		100	, , , , , , , , , , , , , , , , , , , ,	_	U
E 182 Nursery Spade C 183 Oven Mitts- All Teflon, quilted Oven, Toaster Convection9 cubic feet minimum capacity, view glass door, insulated for cool exterior surfaces, fully adjustable temperature range up to 450 degrees F, continuous cleaning, adjustable cooking levels Overhead Projector or Document Camera 1 1 0 pH Meter, portable 1 1 0 pH Tester- Pocket-size meter, waterproof Pick-Up Tool- Designed to position and retrieve small objects, two claw finger that will open to 1", flexible section 8" long, overall length 17 3/4" E 189 Pipetter- 10 ML, 1/10 ml subdivisions 1 0 pHant Display Cart- 5 tilling shelves, accommodates 1020 flats, 5" nylon or rubber wheels, pivoting front wheels for easy steering, fixed rear wheels, stainless/galvanized steel E 191 Plant Study Center- 3 shelves with lights 1 1 0 pHant Tissue Testing Kit Planting Bag, Tree - Neoprene coated nylon that is puncture, tear, abrasion and mildrew resistant. Silicon coated stitches at all stress points. Double bottom with stay open corners. Nylon belt with no slip buckles. Planting Bar, Tree- All metal alloy steel construction. Blade and footstep one-piece construction. Flat or pointed blade. 3" to 4" wide, 10" to 12" long blade. Bar 38" to 40" long. Pilers, Combination, 6"- Slip joint, chrome plated, flat and curved jaws with sharp matching teeth, 6" long Pilers, Diagonal Cutting, 8"- Side cutting, keen edged cutters and spring tempered handles, drop forged alloy steel, polished head, insulated and cushioned handles, milled teeth, long nose Pilers, Lineman's, 9"- Side cutting, keen edged cutters and spring tempered handles, drop forged alloy steel, polished head, insulated and cushioned handles, milled teeth, long nose Pilers, Lineman's, 9"- Side cutting, keen edged cutters and spring tempered handles, drop forged alloy steel, polished head, insulated and cushioned handles, milled teeth, long nose	F	181		1	0
C 183 Oven Mitts- All Teflon, quilted Oven, Toaster Convection9 cubic feet minimum capacity, view glass door, insulated for cool exterior surfaces, fully adjustable temperature range up to 450 degrees F, continuous cleaning, adjustable cooking levels E 185 Overhead Projector or Document Camera 1 1 0 E 186 pH Meter, portable 1 1 0 E 187 pH Tester- Pocket-size meter, waterproof 2 1 E 188 Pick-Up Tool- Designed to position and retrieve small objects, two claw finger that will open to 1", flexible section 8" long, overall length 17 3/4" E 189 Pipetter- 10 ML, 1/10 ml subdivisions 1 0 Plant Display Cart- 5 tilting shelves, accommodates 10/20 flats, 5" nylon or rubber wheels, pivoting front wheels for easy steering, fixed rear wheels, stainless/galvanized steel 1 191 Plant Study Center- 3 shelves with lights 1 1 0 Planting Bag, Tree - Neoprene coated nylon that is puncture, tear, abrasion and mildrew resistant. Silicon coated stitches at all stress points. Double bottom with stay open corners. Nylon belt with no slip buckles. Planting Bar, Tree- All metal alloy steel construction. Blade and footstep one-piece construction. Flat or pointed blade. 3" to 4" wide, 10" to 12" long blade. E 195 Plant Propagation Center- 3 shelves with lights 1 0 Pliers, Combination, 6". Slip joint, chrome plated, flat and curved jaws with sharp matching teeth, 6" long Pliers, Diagonal Cutting, 8"- Side cutting, keen edged cutters and spring tempered handles, drop forged alloy steel, polished head, insulated and cushioned handles, drop forged alloy steel, polished head, insulated and cushioned handles, drop forged alloy steel, polished head, insulated and cushioned handles, milled teeth, long nose Pliers, Lineman's, 9"- Side cutting, keen edged cutters and spring tempered handles, drop forged alloy steel, polished head, insulated and cushioned handles, milled teeth Pliers, Long Nose, 7"- Long nose with side cutter, natural steel finish with full					
E 184 Oven, Toaster Convection9 cubic feet minimum capacity, view glass door, insulated for cool exterior surfaces, fully adjustable temperature range up to 450 degrees F, continuous cleaning, adjustable cooking levels E 185 Overhead Projector or Document Camera 1 1 1 0 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1			, ,	-	
E 184 insulated for cool exterior surfaces, fully adjustable temperature range up to 450 degrees F, continuous cleaning, adjustable cooking levels E 185 Overhead Projector or Document Camera E 186 pH Meter, portable E 187 pH Tester- Pocket-size meter, waterproof E 188 Pick-Up Tool- Designed to position and retrieve small objects, two claw finger that will open to 1", flexible section 8" long, overall length 17 3/4" E 189 Pipetter- 10 ML, 1/10 ml subdivisions E 190 rubber wheels, pivoting front wheels for easy steering, fixed rear wheels, stainless/galvanized steel E 191 Plant Study Center- 3 shelves with lights E 192 Plant Tissue Testing Kit Planting Bag, Tree - Neoprene coated nylon that is puncture, tear, abrasion and mildrew resistant. Silicon coated stitches at all stress points. Double bottom with stay open corners. Nylon belt with no slip buckles. Planting Bar, Tree-All metal alloy steel construction. Blade and footstep one-piece construction. Flat or pointed blade. 3" to 4" wide, 10" to 12" long blade. Bar 38" to 40" long. E 195 Plant Propagation Center- 3 shelves with lights 1 0 Pliers, Combination, 6"- Slip joint, chrome plated, flat and curved jaws with sharp matching teeth, 6" long Pliers, Diagonal Cutting, 8"- Side cutting, keen edged cutters and spring tempered handles, milled teeth, long nose Pliers, Lineman's, 9"- Side cutting, keen edged cutters and spring tempered handles, milled teeth, long nose Pliers, Lineman's, 9"- Side cutting, keen edged cutters and spring tempered handles, milled teeth, long nose Pliers, Lineman's, 9"- Side cutting, keen edged cutters and spring tempered handles, milled teeth, long nose Pliers, Lineman's, 9"- Side cutting, keen edged cutters and spring tempered handles, milled teeth, long nose Pliers, Lineman's, 9"- Side cutting, keen edged cutters and spring tempered handles, milled teeth, long nose Pliers, Long Nose, 7"- Long nose with side cutter, natural steel finish with full			·		
E 185 Overhead Projector or Document Camera 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1	Е	184		1	0
E 186 pH Meter, portable E 187 pH Tester- Pocket-size meter, waterproof E 188 Pick-Up Tool- Designed to position and retrieve small objects, two claw finger that will open to 1", flexible section 8" long, overall length 17 3/4" E 189 Pipetter- 10 ML, 1/10 ml subdivisions E 190 Plant Display Cart- 5 tilting shelves, accommodates 1020 flats, 5" nylon or rubber wheels, pivoting front wheels for easy steering, fixed rear wheels, stainless/galvanized steel E 191 Plant Study Center- 3 shelves with lights E 192 Plant Tissue Testing Kit C 193 Plant Tissue Testing Kit Planting Bag, Tree - Neoprene coated nylon that is puncture, tear, abrasion and mildrew resistant. Silicon coated stitches at all stress points. Double bottom with stay open corners. Nylon belt with no slip buckles. Planting Bar, Tree- All metal alloy steel construction. Blade and footstep one-piece construction. Flat or pointed blade. 3" to 4" wide, 10" to 12" long blade. Bar 38" to 40" long. E 195 Plant Propagation Center- 3 shelves with lights 1 0 Pliers, Combination, 6"- Slip joint, chrome plated, flat and curved jaws with sharp matching teeth, 6" long Pliers, Diagonal Cutting, 8"- Side cutting, keen edged cutters and spring tempered handles, drop forged alloy steel, polished head, insulated and cushioned handles, drop forged alloy steel, polished head, insulated and cushioned handles, drop forged alloy steel, polished head, insulated and cushioned handles, drop forged alloy steel, polished head, insulated and cushioned handles, drop forged alloy steel, polished head, insulated and cushioned handles, drop forged alloy steel, polished head, insulated and cushioned handles, drop forged alloy steel, polished head, insulated and cushioned handles, drop forged alloy steel, polished head, insulated and cushioned handles, drop forged alloy steel, polished head, insulated finish with full E 200 Pliers, Long Nose, 7"- Long nose with side cutter, natural steel finish with full			degrees F, continuous cleaning, adjustable cooking levels		
E 187 pH Tester- Pocket-size meter, waterproof E 188 lock-Up Tool- Designed to position and retrieve small objects, two claw finger that will open to 1", flexible section 8" long, overall length 17 3/4" E 189 Pipetter- 10 ML, 1/10 ml subdivisions Plant Display Cart- 5 tilting shelves, accommodates 1020 flats, 5" nylon or rubber wheels, pivoting front wheels for easy steering, fixed rear wheels, stainless/galvanized steel E 191 Plant Study Center- 3 shelves with lights E 192 Plant Tissue Testing Kit Planting Bag, Tree - Neoprene coated nylon that is puncture, tear, abrasion and mildrew resistant. Silicon coated stitches at all stress points. Double bottom with stay open corners. Nylon belt with no slip buckles. Planting Bar, Tree- All metal alloy steel construction. Blade and footstep one-piece construction. Flat or pointed blade. 3" to 4" wide, 10" to 12" long blade. Bar 38" to 40" long. E 195 Plant Propagation Center- 3 shelves with lights 1 0 Pliers, Combination, 6"- Slip joint, chrome plated, flat and curved jaws with sharp matching teeth, 6" long Pliers, Diagonal Cutting, 8"- Side cutting, keen edged cutters and spring tempered handles, milled teeth, long nose Pliers, Interlocking Channel, 10"- Seven parallel jaw positions up to 2", chrome finish, 10" long Pliers, Lineman's, 9"- Side cutting, keen edged cutters and spring tempered handles, drop forged alloy steel, polished head, insulated and cushioned handles, milled teeth Pliers, Lineman's, 9"- Side cutting, keen edged cutters and spring tempered handles, drop forged alloy steel, polished head, insulated and cushioned handles, milled teeth Pliers, Long Nose, 7"- Long nose with side cutter, natural steel finish with full Pliers, Long Nose, 7"- Long nose with side cutter, natural steel finish with full	Е	185	Overhead Projector or Document Camera	1	1
E 188 Pick-Up Tool- Designed to position and retrieve small objects, two claw finger that will open to 1", flexible section 8" long, overall length 17 3/4" E 189 Pipetter- 10 ML, 1/10 ml subdivisions Plant Display Cart- 5 tilting shelves, accommodates 1020 flats, 5" nylon or rubber wheels, pivoting front wheels for easy steering, fixed rear wheels, stainless/galvanized steel E 191 Plant Study Center- 3 shelves with lights E 192 Plant Tissue Testing Kit Planting Bag, Tree - Neoprene coated nylon that is puncture, tear, abrasion and mildrew resistant. Silicon coated stitches at all stress points. Double bottom with stay open corners. Nylon belt with no slip buckles. Planting Bar, Tree- All metal alloy steel construction. Blade and footstep one-piece construction. Flat or pointed blade. 3" to 4" wide, 10" to 12" long blade. Bar 38" to 40" long. E 195 Plant Propagation Center- 3 shelves with lights 1 0 E 196 Pliers, Combination, 6"- Slip joint, chrome plated, flat and curved jaws with sharp matching teeth, 6" long Pliers, Diagonal Cutting, 8"- Side cutting, keen edged cutters and spring tempered handles, drop forged alloy steel, polished head, insulated and cushioned handles, milled teeth, long nose Pliers, Interlocking Channel, 10"- Seven parallel jaw positions up to 2", chrome finish, 10" long Pliers, Lineman's, 9"- Side cutting, keen edged cutters and spring tempered handles, drop forged alloy steel, polished head, insulated and cushioned handles, milled teeth, long nose Pliers, Lineman's, 9"- Side cutting, keen edged cutters and spring tempered handles, drop forged alloy steel, polished head, insulated and cushioned Pliers, Lineman's, 9"- Side cutting, keen edged cutters and spring tempered handles, milled teeth, long nose with side cutter, natural steel finish with full P 180 Pliers, Long Nose, 7"- Long nose with side cutter, natural steel finish with full		186	pH Meter, portable	1	0
that will open to 1", flexible section 8" long, overall length 17 3/4" E 189 Pipetter- 10 ML, 1/10 ml subdivisions Plant Display Cart- 5 tilting shelves, accommodates 1020 flats, 5" nylon or rubber wheels, pivoting front wheels for easy steering, fixed rear wheels, stainless/galvanized steel Plant Study Center- 3 shelves with lights 1 0 Planting Bag, Tree - Neoprene coated nylon that is puncture, tear, abrasion and mildrew resistant. Silicon coated stitches at all stress points. Double bottom with stay open corners. Nylon belt with no slip buckles. Planting Bar, Tree- All metal alloy steel construction. Blade and footstep one-piece construction. Flat or pointed blade. 3" to 4" wide, 10" to 12" long blade. Pliers, Combination, 6"- Slip joint, chrome plated, flat and curved jaws with sharp matching teeth, 6" long Pliers, Diagonal Cutting, 8"- Side cutting, keen edged cutters and spring tempered handles, drop forged alloy steel, polished head, insulated and cushioned handles, milled teeth, long nose Pliers, Interlocking Channel, 10"- Seven parallel jaw positions up to 2", chrome flinish, 10" long Pliers, Lineman's, 9"- Side cutting, keen edged cutters and spring tempered handles, drop forged alloy steel, polished head, insulated and cushioned handles, milled teeth Pliers, Long Nose, 7"- Long nose with side cutter, natural steel finish with full Pliers, Long Nose, 7"- Long nose with side cutter, natural steel finish with full	E	187		2	1
E 189 Pipetter- 10 ML, 1/10 ml subdivisions Plant Display Cart- 5 tilting shelves, accommodates 1020 flats, 5" nylon or rubber wheels, pivoting front wheels for easy steering, fixed rear wheels, stainless/galvanized steel Plant Study Center- 3 shelves with lights 1 0 Plant Tissue Testing Kit Planting Bag, Tree - Neoprene coated nylon that is puncture, tear, abrasion and mildrew resistant. Silicon coated stitches at all stress points. Double bottom with stay open corners. Nylon belt with no slip buckles. Planting Bar, Tree- All metal alloy steel construction. Blade and footstep one-piece construction. Flat or pointed blade. 3" to 4" wide, 10" to 12" long blade. Plant Propagation Center- 3 shelves with lights 1 0 Bar 38" to 40" long. Pliers, Combination, 6"- Slip joint, chrome plated, flat and curved jaws with sharp matching teeth, 6" long Pliers, Diagonal Cutting, 8"- Side cutting, keen edged cutters and spring tempered handles, drop forged alloy steel, polished head, insulated and cushioned handles, milled teeth, long nose Pliers, Interlocking Channel, 10"- Seven parallel jaw positions up to 2", chrome finish, 10" long Pliers, Lineman's, 9"- Side cutting, keen edged cutters and spring tempered handles, drop forged alloy steel, polished head, insulated and cushioned handles, milled teeth, Pliers, Disponded teeth Pliers, Lineman's, 9"- Side cutting, keen edged cutters and spring tempered handles, milled teeth, long nose Pliers, Lineman's, 9"- Side cutting, keen edged cutters and spring tempered handles, milled teeth, Pliers, Disponded and cushioned handles, milled teeth Pliers, Long Nose, 7"- Long nose with side cutter, natural steel finish with full Pliers, Long Nose, 7"- Long nose with side cutter, natural steel finish with full	F	188	, , , , , , , , , , , , , , , , , , , ,	1	0
Plant Display Cart- 5 tilting shelves, accommodates 1020 flats, 5" nylon or rubber wheels, pivoting front wheels for easy steering, fixed rear wheels, stainless/galvanized steel E 191 Plant Study Center- 3 shelves with lights 1 0 E 192 Plant Tissue Testing Kit 14 1 Planting Bag, Tree - Neoprene coated nylon that is puncture, tear, abrasion and mildrew resistant. Silicon coated stitches at all stress points. Double bottom with stay open corners. Nylon belt with no slip buckles. Planting Bar, Tree- All metal alloy steel construction. Blade and footstep one-piece construction. Flat or pointed blade. 3" to 4" wide, 10" to 12" long blade. E 194 Plers, Combination, 6"- Slip joint, chrome plated, flat and curved jaws with sharp matching teeth, 6" long Pliers, Combination, 6"- Slip joint, chrome plated, flat and curved jaws with sharp matching teeth, 6" long Pliers, Diagonal Cutting, 8"- Side cutting, keen edged cutters and spring tempered handles, milled teeth, long nose E 198 Pliers, Interlocking Channel, 10"- Seven parallel jaw positions up to 2", chrome finish, 10" long Pliers, Lineman's, 9"- Side cutting, keen edged cutters and spring tempered handles, drop forged alloy steel, polished head, insulated and cushioned Pliers, Lineman's, 9"- Side cutting, keen edged cutters and spring tempered handles, drop forged alloy steel, polished head, insulated and cushioned Pliers, Lineman's, 9"- Side cutting, keen edged cutters and spring tempered handles, drop forged alloy steel, polished head, insulated and cushioned Pliers, Lineman's, 9"- Side cutting, keen edged cutters and spring tempered handles, drop forged alloy steel, polished head, insulated and cushioned Pliers, Lineman's, 9"- Side cutting, keen edged cutters and spring tempered handles, milled teeth			·	-	
E 190 rubber wheels, pivoting front wheels for easy steering, fixed rear wheels, stainless/galvanized steel E 191 Plant Study Center- 3 shelves with lights E 192 Plant Tissue Testing Kit Planting Bag, Tree - Neoprene coated nylon that is puncture, tear, abrasion and mildrew resistant. Silicon coated stitches at all stress points. Double bottom with stay open corners. Nylon belt with no slip buckles. Planting Bar, Tree- All metal alloy steel construction. Blade and footstep one-piece construction. Flat or pointed blade. 3" to 4" wide, 10" to 12" long blade. Bar 38" to 40" long. E 195 Plant Propagation Center- 3 shelves with lights E 196 Pliers, Combination, 6"- Slip joint, chrome plated, flat and curved jaws with sharp matching teeth, 6" long Pliers, Diagonal Cutting, 8"- Side cutting, keen edged cutters and spring tempered handles, drop forged alloy steel, polished head, insulated and cushioned handles, milled teeth, long nose E 198 Pliers, Interlocking Channel, 10"- Seven parallel jaw positions up to 2", chrome finish, 10" long Pliers, Lineman's, 9"- Side cutting, keen edged cutters and spring tempered handles, drop forged alloy steel, polished head, insulated and cushioned Pliers, Lineman's, 9"- Side cutting, keen edged cutters and spring tempered handles, drop forged alloy steel, polished head, insulated and cushioned Pliers, Lineman's, 9"- Side cutting, keen edged cutters and spring tempered handles, drop forged alloy steel, polished head, insulated and cushioned B 2 Pliers, Lineman's, 9"- Side cutting, keen edged cutters and spring tempered handles, milled teeth	E	189	·	1	0
stainless/galvanized steel E 191 Plant Study Center- 3 shelves with lights E 192 Plant Tissue Testing Kit Planting Bag, Tree - Neoprene coated nylon that is puncture, tear, abrasion and mildrew resistant. Silicon coated stitches at all stress points. Double bottom with stay open corners. Nylon belt with no slip buckles. Planting Bar, Tree- All metal alloy steel construction. Blade and footstep one-piece construction. Flat or pointed blade. 3" to 4" wide, 10" to 12" long blade. Bar 38" to 40" long. Pliers, Combination, 6"- Slip joint, chrome plated, flat and curved jaws with sharp matching teeth, 6" long Pliers, Diagonal Cutting, 8"- Side cutting, keen edged cutters and spring tempered handles, milled teeth, long nose Pliers, Interlocking Channel, 10"- Seven parallel jaw positions up to 2", chrome finish, 10" long Pliers, Lineman's, 9"- Side cutting, keen edged cutters and spring tempered handles, drop forged alloy steel, polished head, insulated and cushioned handles, drop forged alloy steel, polished head, insulated and cushioned handles, drop forged alloy steel, polished head, insulated and cushioned handles, drop forged alloy steel, polished head, insulated and cushioned handles, milled teeth Pliers, Lineman's, 9"- Side cutting, keen edged cutters and spring tempered handles, drop forged alloy steel, polished head, insulated and cushioned handles, milled teeth Pliers, Lineman's, 9"- Side cutting, keen edged cutters and spring tempered handles, drop forged alloy steel, polished head, insulated and cushioned B 2 Pliers, Lineman's, 9"- Side cutting, keen edged cutters and spring tempered handles, drop forged alloy steel, polished head, insulated and cushioned Pliers, Lineman's, 9"- Side cutting, keen edged cutters and spring tempered handles, milled teeth	_	400	, , ,	4	^
E 191 Plant Study Center- 3 shelves with lights E 192 Plant Tissue Testing Kit Planting Bag, Tree - Neoprene coated nylon that is puncture, tear, abrasion and mildrew resistant. Silicon coated stitches at all stress points. Double bottom with stay open corners. Nylon belt with no slip buckles. Planting Bar, Tree- All metal alloy steel construction. Blade and footstep one-piece construction. Flat or pointed blade. 3" to 4" wide, 10" to 12" long blade. Bar 38" to 40" long. E 195 Plant Propagation Center- 3 shelves with lights 1 0 E 196 Pliers, Combination, 6"- Slip joint, chrome plated, flat and curved jaws with sharp matching teeth, 6" long Pliers, Diagonal Cutting, 8"- Side cutting, keen edged cutters and spring tempered handles, drop forged alloy steel, polished head, insulated and cushioned handles, milled teeth, long nose Pliers, Interlocking Channel, 10"- Seven parallel jaw positions up to 2", chrome finish, 10" long Pliers, Lineman's, 9"- Side cutting, keen edged cutters and spring tempered handles, drop forged alloy steel, polished head, insulated and cushioned handles, milled teeth Pliers, Lineman's, 9"- Side cutting, keen edged cutters and spring tempered handles, drop forged alloy steel, polished head, insulated and cushioned handles, milled teeth Pliers, Lineman's, 9"- Side cutting, keen edged cutters and spring tempered handles, milled teeth Pliers, Lineman's, 9"- Side cutting, keen edged cutters and spring tempered handles, milled teeth	=	190	, ,	1	U
E 192 Plant Tissue Testing Kit Planting Bag, Tree - Neoprene coated nylon that is puncture, tear, abrasion and mildrew resistant. Silicon coated stitches at all stress points. Double bottom with stay open corners. Nylon belt with no slip buckles. Planting Bar, Tree- All metal alloy steel construction. Blade and footstep one-piece construction. Flat or pointed blade. 3" to 4" wide, 10" to 12" long blade. Bar 38" to 40" long. E 195 Plant Propagation Center- 3 shelves with lights Pliers, Combination, 6"- Slip joint, chrome plated, flat and curved jaws with sharp matching teeth, 6" long Pliers, Diagonal Cutting, 8"- Side cutting, keen edged cutters and spring tempered handles, drop forged alloy steel, polished head, insulated and cushioned handles, milled teeth, long nose E 198 Pliers, Interlocking Channel, 10"- Seven parallel jaw positions up to 2", chrome finish, 10" long Pliers, Lineman's, 9"- Side cutting, keen edged cutters and spring tempered handles, drop forged alloy steel, polished head, insulated and cushioned A 2 Pliers, Lineman's, 9"- Side cutting, keen edged cutters and spring tempered handles, drop forged alloy steel, polished head, insulated and cushioned B 2 Pliers, Lineman's, 9"- Side cutting, keen edged cutters and spring tempered handles, milled teeth P 200 Pliers, Long Nose, 7"- Long nose with side cutter, natural steel finish with full	Е	101	ŭ	1	0
Planting Bag, Tree - Neoprene coated nylon that is puncture, tear, abrasion and mildrew resistant. Silicon coated stitches at all stress points. Double bottom with stay open corners. Nylon belt with no slip buckles. Planting Bar, Tree- All metal alloy steel construction. Blade and footstep one-piece construction. Flat or pointed blade. 3" to 4" wide, 10" to 12" long blade. Bar 38" to 40" long. E 195 Plant Propagation Center- 3 shelves with lights 1 0 E 196 Pliers, Combination, 6"- Slip joint, chrome plated, flat and curved jaws with sharp matching teeth, 6" long Pliers, Diagonal Cutting, 8"- Side cutting, keen edged cutters and spring tempered handles, drop forged alloy steel, polished head, insulated and cushioned handles, milled teeth, long nose E 198 Pliers, Interlocking Channel, 10"- Seven parallel jaw positions up to 2", chrome finish, 10" long Pliers, Lineman's, 9"- Side cutting, keen edged cutters and spring tempered handles, drop forged alloy steel, polished head, insulated and cushioned handles, milled teeth Pliers, Long Nose, 7"- Long nose with side cutter, natural steel finish with full Pliers, Long Nose, 7"- Long nose with side cutter, natural steel finish with full			·		
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with stay open corners. Nylon belt with no slip buckles. Planting Bar, Tree- All metal alloy steel construction. Blade and footstep one-piece construction. Flat or pointed blade. 3" to 4" wide, 10" to 12" long blade. Bar 38" to 40" long. E 195 Plant Propagation Center- 3 shelves with lights 1 0 E 196 Pliers, Combination, 6"- Slip joint, chrome plated, flat and curved jaws with sharp matching teeth, 6" long Pliers, Diagonal Cutting, 8"- Side cutting, keen edged cutters and spring tempered handles, drop forged alloy steel, polished head, insulated and cushioned handles, milled teeth, long nose E 198 Pliers, Interlocking Channel, 10"- Seven parallel jaw positions up to 2", chrome finish, 10" long Pliers, Lineman's, 9"- Side cutting, keen edged cutters and spring tempered handles, drop forged alloy steel, polished head, insulated and cushioned handles, milled teeth Pliers, Long Nose, 7"- Long nose with side cutter, natural steel finish with full Pliers, Long Nose, 7"- Long nose with side cutter, natural steel finish with full	_			_	_
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E 194 piece construction. Flat or pointed blade. 3" to 4" wide, 10" to 12" long blade. Bar 38" to 40" long. E 195 Plant Propagation Center- 3 shelves with lights E 196 Pliers, Combination, 6"- Slip joint, chrome plated, flat and curved jaws with sharp matching teeth, 6" long Pliers, Diagonal Cutting, 8"- Side cutting, keen edged cutters and spring tempered handles, drop forged alloy steel, polished head, insulated and cushioned handles, milled teeth, long nose E 198 Pliers, Interlocking Channel, 10"- Seven parallel jaw positions up to 2", chrome finish, 10" long Pliers, Lineman's, 9"- Side cutting, keen edged cutters and spring tempered handles, drop forged alloy steel, polished head, insulated and cushioned handles, milled teeth E 200 Pliers, Long Nose, 7"- Long nose with side cutter, natural steel finish with full 2			with stay open corners. Nylon belt with no slip buckles.		
Bar 38" to 40" long. E 195 Plant Propagation Center- 3 shelves with lights E 196 Pliers, Combination, 6"- Slip joint, chrome plated, flat and curved jaws with sharp matching teeth, 6" long Pliers, Diagonal Cutting, 8"- Side cutting, keen edged cutters and spring tempered handles, drop forged alloy steel, polished head, insulated and cushioned handles, milled teeth, long nose E 198 Pliers, Interlocking Channel, 10"- Seven parallel jaw positions up to 2", chrome finish, 10" long Pliers, Lineman's, 9"- Side cutting, keen edged cutters and spring tempered handles, drop forged alloy steel, polished head, insulated and cushioned handles, milled teeth E 200 Pliers, Long Nose, 7"- Long nose with side cutter, natural steel finish with full			Planting Bar, Tree- All metal alloy steel construction. Blade and footstep one-		
E 195 Plant Propagation Center- 3 shelves with lights E 196 Pliers, Combination, 6"- Slip joint, chrome plated, flat and curved jaws with sharp matching teeth, 6" long Pliers, Diagonal Cutting, 8"- Side cutting, keen edged cutters and spring tempered handles, drop forged alloy steel, polished head, insulated and cushioned handles, milled teeth, long nose E 198 Pliers, Interlocking Channel, 10"- Seven parallel jaw positions up to 2", chrome finish, 10" long Pliers, Lineman's, 9"- Side cutting, keen edged cutters and spring tempered handles, drop forged alloy steel, polished head, insulated and cushioned handles, milled teeth Pliers, Long Nose, 7"- Long nose with side cutter, natural steel finish with full	E	194	piece construction. Flat or pointed blade. 3" to 4" wide, 10" to 12" long blade.	1	0
E 196 Pliers, Combination, 6"- Slip joint, chrome plated, flat and curved jaws with sharp matching teeth, 6" long Pliers, Diagonal Cutting, 8"- Side cutting, keen edged cutters and spring tempered handles, drop forged alloy steel, polished head, insulated and cushioned handles, milled teeth, long nose Pliers, Interlocking Channel, 10"- Seven parallel jaw positions up to 2", chrome finish, 10" long Pliers, Lineman's, 9"- Side cutting, keen edged cutters and spring tempered handles, drop forged alloy steel, polished head, insulated and cushioned handles, milled teeth Pliers, Long Nose, 7"- Long nose with side cutter, natural steel finish with full			•		
Sharp matching teeth, 6" long Pliers, Diagonal Cutting, 8"- Side cutting, keen edged cutters and spring E 197 tempered handles, drop forged alloy steel, polished head, insulated and cushioned handles, milled teeth, long nose E 198 Pliers, Interlocking Channel, 10"- Seven parallel jaw positions up to 2", chrome finish, 10" long Pliers, Lineman's, 9"- Side cutting, keen edged cutters and spring tempered handles, drop forged alloy steel, polished head, insulated and cushioned handles, milled teeth Pliers, Long Nose, 7"- Long nose with side cutter, natural steel finish with full	Е	195	, ,	1	0
E 198 Pliers, Diagonal Cutting, 8"- Side cutting, keen edged cutters and spring tempered handles, drop forged alloy steel, polished head, insulated and cushioned handles, milled teeth, long nose E 198 Pliers, Interlocking Channel, 10"- Seven parallel jaw positions up to 2", chrome finish, 10" long Pliers, Lineman's, 9"- Side cutting, keen edged cutters and spring tempered handles, drop forged alloy steel, polished head, insulated and cushioned handles, milled teeth Pliers, Long Nose, 7"- Long nose with side cutter, natural steel finish with full	F	196		6	6
E 197 tempered handles, drop forged alloy steel, polished head, insulated and cushioned handles, milled teeth, long nose E 198 Pliers, Interlocking Channel, 10"- Seven parallel jaw positions up to 2", chrome finish, 10" long Pliers, Lineman's, 9"- Side cutting, keen edged cutters and spring tempered handles, drop forged alloy steel, polished head, insulated and cushioned handles, milled teeth Pliers, Long Nose, 7"- Long nose with side cutter, natural steel finish with full	_	100	·		•
cushioned handles, milled teeth, long nose Pliers, Interlocking Channel, 10"- Seven parallel jaw positions up to 2", chrome finish, 10" long Pliers, Lineman's, 9"- Side cutting, keen edged cutters and spring tempered handles, drop forged alloy steel, polished head, insulated and cushioned handles, milled teeth Pliers, Long Nose, 7"- Long nose with side cutter, natural steel finish with full	_	40-			_
E 198 Pliers, Interlocking Channel, 10"- Seven parallel jaw positions up to 2", chrome finish, 10" long Pliers, Lineman's, 9"- Side cutting, keen edged cutters and spring tempered handles, drop forged alloy steel, polished head, insulated and cushioned handles, milled teeth Pliers, Long Nose, 7"- Long nose with side cutter, natural steel finish with full	E	197	· · · · · · · · · · · · · · · · · · ·	14	7
F 200 Finish, 10" long finish, 10" long Pliers, Lineman's, 9"- Side cutting, keen edged cutters and spring tempered handles, drop forged alloy steel, polished head, insulated and cushioned handles, milled teeth Pliers, Long Nose, 7"- Long nose with side cutter, natural steel finish with full 2			· ·		
Pliers, Lineman's, 9"- Side cutting, keen edged cutters and spring tempered handles, drop forged alloy steel, polished head, insulated and cushioned handles, milled teeth Pliers, Long Nose, 7"- Long nose with side cutter, natural steel finish with full	E	198	· · · · · · · · · · · · · · · · · · ·	6	2
E 199 handles, drop forged alloy steel, polished head, insulated and cushioned handles, milled teeth Pliers, Long Nose, 7"- Long nose with side cutter, natural steel finish with full					
handles, milled teeth Pliers, Long Nose, 7"- Long nose with side cutter, natural steel finish with full	F	100	, , , ,	Ω	2
Pliers, Long Nose, 7"- Long nose with side cutter, natural steel finish with full	_	199	, y ,	J	_
F /					_
	E	200	polish, 7" long	10	2

~ <u>e</u>	7	Middle School Equipment List	eq	*_
Equipment / Consumeable	Item Number		Recommended	Industry Certification*
a me	<u> </u>	Item Description	шe	ıst caf
uip ISU		E=Equipment (life expectancy 5 or more years)	Ē	Industry
Eq.	ten	C= Consumble (life expectancy less than 5 years)	90	= e
0	_	*Contact Region Agricultural Education office for Industry Certification	Ř	
Е	201	Pliers, Vise Grip, 10"- Lever action to hold jaws in holding position, quick release	1	0
		for removing pressure, straight jaws, 1 5/8"		
E	202	Plow, Push	1	0
		Polarity and Circuit Tester- Direct current capacity from 2 to 18 volts, prod		
E	203	anchored in plastic handle, replaceable neon bulb, built in diode for polarity test,	4	1
		positive current to ignite bulb, but not negative current, 6 ft lead with booted clip		
Е	204	Pole, Pruner	1	0
		Post Hole Digger- Hinge type, 9" steel blades riveted to tell frame, 48" handles,	-	
E	205	to dig 6" diameter holes	1	1
Е	206	Poultry cages- for holding birds 2'X2'	1	1
_		Preparation Cart- Three shelf cart for teacher demonstration materials, 800lb.	_	
Е	207	capacity, 32" high, 5" rubber/nylon wheels, two rigid two swivel	1	0
Е	208	Pressure Washer	1	0
Е	209	Printer, Laser- 600 DPI resolution, 10 PPM output	2	1
E	210	Prism- English 10 factor, leather case.	1	0
Е	211	Projection Screen	1	1
E	212	Propagation Mats- Electric with thermostat	2	1
С		Protractor Ruler- Plastic, protractor plus inches in 10ths and 20ths, 6"long.	10	0
Е	214	Pruner, Hand	14	4
Е	215	Pruner, Tree - Lightweight aluminum or fiberglass, revolving arm. Teflon blades.	1	1
_	210	Reach increased by additional add-on sections.	•	•
Е	216	Pruning Shears, 8"- Anvil action V-shaped teflon coated blade, steel handles	2	1
_		with cushion grips.		•
		Punch and Chisel (12 pieces)- Set consisting of one each of 1/16", 3/32", 3/16",		
Е	217	1/8" pin punches, 3/8" center punch, 3/8" prick punch, 3/16" x 9" aligning punch,	1	0
		5/32" x 7" aligning punch, 1/4", 1/2", 5/8" and 3/4" cold chisels, Chrome steel.		
	240	Raised Bed Garden Kit	4 5	
E E		Rake, Garden - Heavy duty type.	15 6	2
	219	Nake, Galuen - Heavy duty type.	0	
Е	220	Rake, Grading, 24"- Beveled teeth and back grading edge, 6 ft. tubular handle.	6	2
_	004	Rake, Lawn and Leaf - 60 in. long, fan-type, 22 tempered spring steel tines, 19		
E	221	1/2 in. wide.	6	2
Е	222	Refrigerator- 20 Cubic foot capactiy minimum, with freezer compartment, for	1	0
		storage of non-eatable laboratory consumables	-	
E	223	Reproductive Teaching Models- Including cow, chicken and swine	1	1
		Respirator, Full Face- Wide vision polycarbonate scratch resistant anti-fog lens,		
Е	224	low resistance filters and cartidges, perspiration relief port, face piece of silicon	3	2
_		rubber. Replaceable cartridges to filter organic vapor and pesticides and		_
_	00-	asorted vapors/mists applications.		
С	225	Rubber Stoppers- Laboratory quality, #6	25	10
_	000	Safety Glass Storage Cabinet- Metal cabinet with door locks, UL approved		
E	226	electrical system. Timer controlled built in germicidal lamp for minimum of 28	1	1
	207	pairs of safety glasses.	_	
E	227	Sauce Pans- With cover, non-stick, 2 quart capacity	5	5
E	228	Saw Horse Folding Saw Band Portable at least 10 AMP	12	0
E	229	Saw, Band Portable at least 10 AMP	1	0

~ <u>e</u>	ī	Middle School Equipment List	eq	*.
Equipment / Consumeable	Item Number		Recommended	Industry Certification*
E E	<u> </u>	Item Description	me	Industry
uip ISU	<u> </u>	E=Equipment (life expectancy 5 or more years)	E	ti d
ᄧᇮ	ter	C= Consumble (life expectancy less than 5 years)	ec.	er =
0		*Contact Region Agricultural Education office for Industry Certification	₩	
		Saw, Portable Electric, 7 1/4" - Circular blade, continuous duty rating, ball-		
Е	230	needle bearing, 5500 R.P.M. no-load speed, electric brake, 2 1/2" depth of cut at	2	0
_		90 degree blade setting, blade guard, complete with one combination blade.	_	
		Electrical: 12.5 AMPS, 120V, 60 cycle A.C.		_
E	231	Saw, Compound Miter Saw	1	1
Е	232	Saw, Rip Hand, 5 1/2 Pt Hardened and tempered steel blade, taper ground,	1	0
		wood handle, 5 1/2 points per inch, 26" blade	-	_
E	233	Saw, 20-Volt Variable Speed Cordless Reciprocating Saw	1	1
	Scale Stick, Tree and Log- Scribner scale designed to measure tree diameter,	_	_	
С	234	tree height, board foot volume of trees and board foot volume of logs	4	1
				_
C	235	Scales, Architect and/or Engineers	28	2
E		Scanner	1	0
С		Scapal, Safety- 10 K, with replacement blades	1	1
E		Screen Sieve Set	2	1
E		Screwdriver - Assorted set (flat/phillips)	1	1
E	240	Screwdriver, Standard Blade Sets	1	0
Е	241	Service Floor Jack, 5 Ton- Hydraulic operated, heavy metal construction, with 5	1	0
	0.40	ton minimum capacity		
С	242	Serving Spoon- Perforated spoon, 14", stainless steel	10	5
E		Shop Vacuum Cleaner- Industrial type	1	1
Е	244	Shovel, Round Point	2	1
Е	245	Shovel, Round Point D Handle - Heat treated steel blade 9 1/4" X 1/2" with	8	4
_	0.40	forward turned step. 47" fiberglass handle.	_	
E	246	Shovel, Square Point, 12"- 47", "D" fiberglass handle with rivets.	2	1
_	047	Shovel, Tile Spade Planting- High quality steel with 14" long 5" wide blade, full	4	•
E	247	gusset along backspine with shoulder reinforcement. Fiberglass reinforced D	4	2
		handle.		
E	248	Small Animal Teaching Unit- Complete with 15 units of various sizes ranging	1	1
	240	from 2 to 27 cubic feet, with sanitation equipment	_	
E	249	Socket Set, Metric- 1/4", 3/8", 1/2" drives Socket Sets, standard 1/4", 3/8", and 1/2" drives	2	1
	250			1
E	251	Soil Moisture Meter- Instantaneous reading, battery powered with 9 inch probe, battery included	1	0
Е	252	Soil Sampler, 21"- Draw cut, chormium plated. T-handle of tublar steel.	1	1
	202	John Jampier, 21 - Draw Gut, Griorinium plateu. 1-handle of tubial steel.	ı	ı
		Soil Test Kit- Reagents and equipment necessary to perform 100 to 300		
E	253	diagnostic tests for the following chemicals: nitrates, phosphorous, potassium,	1	1
		aciditiy, magnesium, iron, aluminum, calcium, chloride, manganese.		
Е	254	Soil Thermometers- 20 to 180 degrees F., 4" probe, rust and water proof	4	2
C	255	Spatula, Stainless Steel	6	4
		Sprayer, 2-3 Gallon- Polyethylene tank, brass pump, hose, extension tube and	J	7
E	256	adjustable shoulder strap.	3	1
E	257	Sprayer, Backpack	2	0
E		Spreader, Seed and Fertilizer	1	0
		Stopwatch- Water and impact resistant. Displays hours down to 1/100 seconds.	-	0
E	259	Lanyard and battery included. Digital display.	14	1
Е	260	Storage Bin, Soil/Soil Ingredients	3	0
	_50	otologo E, Compon ingrodionio	-	•

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Equipment / Consumeable	Item Number		Recommended	Industry Certification*
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ם	ten	C= Consumble (life expectancy less than 5 years)	သို့	er –
- 3	_	*Contact Region Agricultural Education office for Industry Certification	ď	0
Е	261	Storage Cabinet- Steel, 36" X 42" X 73" with adjustable shelves for storing and	3	1
		securing instructional materials.		
_	000	Storage Cabinet, Metal Eyewear - Factory assembled with door locks and UL		4
Е	262	approved three-wire electrical system. Timer-controlled, built-in germicidal	1	1
Е	263	lamp. Size: 24 1/2" W X 9 1/4" D X 28" H Strainer Set- Stainless steel, one each size approximately 3", 6", and 8"	3	1
	203	Tape, Diameter - Direct reading of diameter , increments in tenths, other side	3	1
Е	264	linear in feet 10ths and 100ths.	2	1
		Tape, Logger's - Automatic rewind, 75' long. Spring wind automatic in to steel		
Е	265	case hardened steel gears. Combination tape feet, 10ths, 100ths, one side.	5	1
-	203	Other side 120" diameter inches, 10ths. Steel tape.	3	•
		Tape, Measuring, 3/4" x 25' - Polished chrome case, togglelock control		
		positioned on front of case, 3/4" wide steel blade on bearing supported nylon		
E	266	spool, black numerals oin white background, divided feet and inches to 16ths,	1	0
		foot marks and 16" centers clearly indentified.		
Е	267	Tape, Surveyor's- 100' graduated in 10ths and 100ths, fiberglass or me	1	1
С	268	Test Tube Brush- Multifan tip, brush 3", overall 10"	10	6
C	269	Test Tube Caps, different colors	50	50
E	270	Test Tube Holder- For up to 1" diameter test tubes	12	12
Е	271	Test Tube Rack- 16 test tube capacity with drying pins Plastic autoclavable	6	6
С	272	Test Tubes- Standard 20 X 150 mm	100	25
Е	273	Thermometer- High-low, records highest and lowest temperatures reached	2	0
_		since previous settings and indicates current temperature, alcohol	_	
_	074	Thermometer- Hydometer- Float gauge in three colors with "Recharge", "Fair"	_	_
Е	274	and "Good" markings, range 1060 to 1320; recessed thermometer with range of	2	0
		0 to 160 degrees, alcohol		
Е	275	Thermometer, Combination Confectionery/Deep Fry- 100o to 400o range,	2	1
		Fahrenheit and Celsius scales, alcohol		
Е	276	Thermometer, Meat- 6.75"L, recommended by National Livestock and Meat	1	1
	277	Board, Fahrenheit and Celsius scales, alcohol	4	^
E E	277	Thermometer, Meat, alcohol	1	0
	278	Thermometer, Veterinary, alcohol Tiller, Rear Tine- Type: Chain drive transmission. Adjustable heavy duty	1	U
		handle with panel mounted throttle and clutch controls. Adjustable steel drag		
E	279	· · · · · · · · · · · · · · · · · · ·	1	0
		stake and transport wheels. Engine: 8 H.P., 4-cycle air cooled with recoil starter.		
Е	280	Timer, LCD Electronic Display	6	2
E	281	Tongs, Utility- Stainless steel, plastic coated handles, dishwasher safe	6	3
		Tree Caliper- Aluminum 24" capactiy, graduated inches, and 10ths on both	U	J
Е	282	sides.	1	0
С	283	Trowel, Hand Soil	10	5
E	284	Ultraviolet Lamp	1	1
Е	285	Utility Trailer- Two wheel, pneumatic tires, all-steel construction, 17 cu. ft., 1500	1	0
		lb. capacity, lift-out tail gate.	·	
E	286	VCR and DVD Recorder/Player	2	1
Е	287	Vegetable Peeler- Stainless steel, dishwasher safe	5	1

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E	288	Video Zoom System, Micro- 27" monitor/receiver, CCD camera, zoom optics with stand, fiber optics, illuminator, power supply, annular light ring illuminator	1	0
С	289	Water Hose- Double-reinforced rubber with permanently attached brass couplings.	4	2
Е	290	Water Test Laboratory Module Kit- Complete for testing pH, dissolved oxygen, carbon dioxide, nitrates, phosphates, silica, calcium, magnesium, ammonia, chlorine, iron, nitrite, sulfate, sulfide, hardness, etc.	5	5
Ε	291	Watt Meter- AC/DC	1	0
Е	292	Weed Cutter- Replaceable serrated blade 14" X 2 1/2", oval handle. Length 30" to 40".	1	0
Е	293	Wheelbarrow, Heavy duty	1	0
Е	294	Wrenches, Combination (14)- Hot forged alloy steel, chrome plated 14 pcs. consisting of one each from 3/8" to 1 1/4" by 1/16ths.	1	0
Е	295	Wrenches, Hex - "L" shape, long pattern, 14 pcs. ranging in size from.050" to 5/16"	1	0
Е	296	Wrenches, Hex - "L" shape, long pattern, 9 pcs. ranging in size from 5/64" to 1/4"	1	0
Е	297	Wrenches, Open End (6) - Hot forged alloy steel, chrome plated, 6 pieces, consisting of one each of the following: 1/4" x 5/16", 3/8" x 7/16", 1/2" x 9/16", 5/8" x 11/16", 3/4" x 13/16", 7/8" x 15/16".	1	0