

Equipment / Consumable	Item Number	Middle School Equipment List		Recommended	Industry Certification*
		Item Description			
		E=Equipment (life expectancy 5 or more years) C= Consumable (life expectancy less than 5 years) <i>*Contact Region Agricultural Education office for Industry Certification</i>			
E	1	Air Compressor - Two stage compressor on 60 gal. tank, 150 psi, 9/5 CFM , pressure switch with air release valve for "load-free" starting, 5 hp motor overload protection; unit complete with belt guard, remote inlet and oil bath air cleaner, with complete hose assembly connect couplings		1	0
E	2	Amp Meter, 0-25 amps clamp-on type		1	1
E	3	Aprons		14	14
E	4	Aquaculture System- includes tank with drain, filter solids system, bio-filter system, pump, airstone		1	0
E	5	Aquaculture Test Kit- To furnish all materials for pond fish culture testing. Unit to be supplied with lab ware, sampling bottle, and reagents for 50 tests of each factor.		1	0
E	6	Aquaculture Unit- Complete closed loop system		1	0
E	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
E	10	Aquatic Kick Net		16	6
C	11	Beaker sets- One each of 100 ml, 150 ml, and 250 ml, heat resistant, with lip and pouring spout		30	15
E	12	Beaker Tongs		14	6
E	13	Belt Sander - min 8AMP		3	1
E	14	Bench, Greenhouse - Rolling/stationary, galvanized expanded metal top, 15 lb. psf load capacity. * Number of benches needed will be determined by size of greenhouse.		18*	0
E	15	Bench, Woodworking, 4 Station- Locker base type, hard maple laminated top 2 1/4" x 54" x 74" with four bolts through the body of the top for additional strength, steel base in two sections, each section to contain 6 lockers 21" long, 21" deep and 15" high with padlocks hasp and knockout plug for cylinder lock		3	0
E	16	Benches- Work, 54" X 64" with metal base		5	1
E	17	Binoculars- Wide view variable power 40 mm lens. Scratch resistant lens complete with neck strap and carrying case.		14	0
E	18	Bit Set- Electrification, 3/8"-1" by 8ths		1	0
E	19	Bits, High Speed Twist Drill- 29 fractional bits, 1/16 thru 1/2" by 64ths of an inch		1	0
E	20	Botany Dissection Set- Stainless steel		28	14
C	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
E	25	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 should include screen flame arrestor vent, leak-proof sill at bottom; leveling feet on all 4 corners, 3 point lock; must meet National Fire Protection Association requirements.		1	1
E	26	Cabinet, Stationary Tool- Wooden two door tool cabinet equipped with custom designed tool holding devices, individual hold devices painted to match tool color coding scheme		1	0

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E	27	Cabinet, Sterilization and Storage, for Safety Goggles- 40 pair capacity and safety glasses		1	1
C	28	Cable Ripper- For use in nonmetallic sheathed cable with outside diameter 5/8 inches or smaller		12	6
E	29	Camera, Digital, with screw on UV Filter		2	1
E	30	Camera, Video, 8 mm, VHS or digital video		1	0
E	31	CD Player		1	0
C	32	Chef Bowl Set- Kitchen type, double walled construction with 1 1/2" air space. Built in vents and flash arresters.		2	1
C	33	Chef's Aprons, 100% cotton or cotton blend, 36"L X 30"W, with ribbon ties		30	20
E	34	Chemical Respirator- For protection against common garden chemicals, insecticide dusts and sprays, to be furnished with 3 easy to replace dust filters and one chemical cartridge and 2 valves, adjustable headband.		2	0
E	35	Chemical Storage Cabinet- Double walled construction with 1 1/2" air space. Built in vents and flash arresters. *Depends on what needs to be stored based upon the program needs.		3	1*
E	36	Chicken Coop - Walk-In Coop can house up to 15 chickens, Solid wood construction with an asphalt roof, Includes nesting box, roosting bars and ramp, Large, walk-in door allows easy human access to chickens and for cleaning, Tray slides out for easy cleaning		1	0
E	37	Chisel, Wood- Set of 1/4", 1/2", 3/4" and 1", polished steel blades		1	0
E	38	Chisels, Cold Flat- 4 to a set- Alloy steel, hexagon stock, each set to consist of one each of the following sizes: 3/8", 1/2", 3/4" and 1"		1	0
E	39	Clinometer- Housing of corrosion resistant lightweight metal, scale supported jeweled bearing assembly, moving parts, immersed in dampening liquid in sealed plastic container. Percent and Topographic scales to read to 150%, 1200' at 66' baseline with leather carrying case.		7	2
E	40	Clipboards		25	15
C	41	Colander- 3 quart capacity minimum, stainless steel		6	3
E	42	Combination Square, 12"- Grooved steel blade graduated in eight, sixteenths and thirty seconds on both sides; cast iron head with machined faces and one level glass		6	3
E	43	Compass, Silva Type Ranger- Graduated 0-360 degrees, liquid filled, transparent protractor plate, sighting mirror, declination offsetting device, 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", with case.		10	8
E	44	Compass, Staff - Azimuth and Quadrant graduations to one degree with declination adjustment. Needle lock with thumb screw. Folding sights with interchangeable scales. Circular spirit level mounted permanently on compass face. Complete with ball and joint socket and carrying case.		1	0
E	45	Compost Tumbler		1	0
E	46	Computer Cart- With casters, includes surge protector, electrical outlets, adjustable shelves		1	1
E	47	Computer Printer, color		7	3
E	48	Computer, Laptop / Chrome Books		25	7
C	49	Cooler- 48 qt. capacity removal tray, folding handles. 21" long, 14" wide 13" high.		1	1

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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.		1	1
E	51	Cordless Drill- 3/8" variable speed, reversible, adjustable torque setting with rechargeable battery and charger.		4	1
E	52	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".		1	0
C	53	Crop Seed Identification Kit		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.		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.		1	0
E	57	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.		12	6*
E	59	Dissecting Kit for Zoology, stainless steel with bone splitter and pins		28	14
E	60	Dissection Kits- standard		12	12
C	61	Dissectograms- For frog, fish, and fetal pig. Laminated wall chart		2	2
E	62	Disinfecting Trays, with covers		28	14
E	63	Draining and Drying Rack- For laboratory glassware, with galvanized metal drain pan, 90 piece capacity, vinyl coated wire racks		2	1
E	64	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		2	1
E	65	Drill, Portable Electric, 3/8"- Pistol grip handle, ball and roller bearings, variable speed from 0 to 1000 RPM, reversible, 3/8" Jacobs chuck, 115 volt AC, complete with cord and plug; double insulated		2	1
E	66	Drill, Portable Electric/Cordless- Heavy duty, 550 RPM no load speed, 3/8" chuck, variable speed, reversible.		1	0
E	67	Dust Pesticide Applicator- For gardens fruit trees		1	0
C	68	Egg Beater- Stainless steel, one each size		3	1
E	69	Egg Candling Light- High and low intensity light, 32 candle power, 110 volt AC		2	1
E	70	Egg Incubator- Still air, constant temperature, constant humidity, including thermometer and thermostat, 110 volt AC		2	1
E	71	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		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		2	2
E	73	Electric Motor- 1/2 hp, capacitor start		1	0
E	74	Electric Motor- 1/2 hp, split phase		1	0
C	75	Electrician's Wire Strippers		12	6
C	76	Erlenmeyer Flasks- 1 Liter, heat resistant		6	3

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C	77	Erlenmeyer Flasks- 250 mL, heat resistant		10	5
C	78	Erlenmeyer Flasks- 500 mL, heat resistant		10	5
E	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
E	82	Eye Wash Station		3	3
E	83	Fertilizer Injector- I.P. size 3/4 ", flow rate min./max. 3/12 std. prop 1:100, exterior adjustable.		1	0
E	84	File Cabinet- Metal four drawers, letter size with lock.		4	2
E	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*
E	86	Flask Tongs- Stainless steel		5	2
E	87	Floral Cooler		1	0
E	88	Floral Cooler Buckets		15	0
C	89	Fogger Nozzle- Heavy duty, solid brass jets, 1 gal. per. min. capacity.		4	2
C	90	Food Dehydrator- Adjustable thermostat, quartz timer with LCD display		4	2
E	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
C	93	Funnel- Kitchen type, 4" and 1/2" spout, durable plastic or stainless steel, dishwasher safe		16	8
C	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
E	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 than 1 minute. Battery operated Backlit display.		1	0
C	98	Gloves, Chemical Resistant		12	12
E	99	Glue Gun- Heat-resistant plastic housing, handle, 110-120 volt, 60 cycle, AC, UL listed		1	1
C	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

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C	101	Graduated Cylinder- 50 ml, heat resistant, polypropylene, autoclavable		14	7
E	102	Greenhouse- Poly carbonate ultraviolet resistant glazing, complete with benches, concrete walkway, floor drains, fully automated environmental controls.		1	1
E	103	Hacksaw, Adjustable - Nickel plated steel frame, adjustable for 8", 10", or 12" blades, plastic pistol grip handle, complete with one blade		2	1
E	104	Hammer- Dead blow, one each 14 and 24 oz.		1	0
E	105	Hammer, Ball Peen- Set of 4, one each if approximate 12, 16, 24, and 48 oz.; drop forged ally steel, polished face and peen, wood handle		1	0
E	106	Hammer, Chipping - Standard duty cone and chisel head brazed to spiral steel handle		3	0
E	107	Hammer, Curved Claw, 16 Oz.		6	3
E	108	Hand Saw, Crosscut, 8 Pt.- Hardened and tempered steel blade, taper ground, wood handle, 8 points per inch, 26" blade		1	0
E	109	Hand Truck- 1000 lb. capacity		1	1
E	110	Hands Lens		20	14
E	111	Hoe, Garden Type- Heavy duty type, 6 1/4 " X 4 3/4" beveled blade, one piece forging		6	2
E	112	Honey Bee Module Unit- complete with observation hive		1	0
C	113	Hose Nozzle- Pistol-grip with automatic shut off, brass valves. Chrome plated.		3	0
E	114	Hose Reel- Durable poly frame, holds up to 200 ft. of 5/8" diameter hose, 3 ft. connector hose, stationary mount or wheel mount		4	0
C	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
E	116	Hot plate, Laboratory Quality, Single Unit Buffet- Single range-type tubular, self-cleaning heating element, 1000 watts, 120V AC		7	4
E	117	Hydroponic Lab		2	1
E	118	Ice Cream Maker - 2 quart capacity, quick freeze type, 120 V. electric motor driven, or manual crank type.		5	3
E	119	Increment Borer- High quality steel, three thread design, Teflon coated. Will extract .200 inch core. Six to twelve inch length. Complete with holster.		6	1
E	120	Increment Borer Sharpening Kit- Includes assortment of stones and lubricant with cork.		1	0
E	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, overhead mirror as needed for specific course		1	1
E	124	Knife, Shearing - made from tool steel. Grooved wood safety handle. 14" blade, 5" handle.		1	0
E	125	Knives, Budding, 6 1/2"- Stationary hand forged blade		1	0
E	126	Knives, Grafting, 6 1/2"- Stationary hand forged blade		1	0
E	127	Knives, Meat Cutting		10	4
E	128	Knives, Paring- 3" blade, dishwasher safe, stainless steel		14	5
C	129	Laboratory Kit for Student Biological Studies		28	20
C	130	Laboratory Safety Chart for Animal Science- Approximately 36" X 36"		1	1

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E	131	Laboratory Tables- To accommodate 4 students, with sinks, water and gas connections, student storage, and standard laboratory		7	6
E	132	Laboratory Techniques Chart Animals- Approximately 36" X 36"		1	1
E	133	Ladder, Fiberglass, Step, 6 Ft.- 300 lb. rating, high strength extended channel rails with slip resistant safety shoe, 6' standing height		1	0
E	134	Laminar Flow Hood, with UV light		1	0
E	135	Land Measuring Wheel- Heavy duty, long distance for agriculture measurement, records up to 100,000 ft. without resetting		1	1
C	136	Landscape Template		1	0
E	137	Laser Range finder- Measures yards or meters		1	0
E	138	Level, Farm Type-12 power erecting telescope, 4 ft. minimum focus, rack and pinion external focusing and fixed cross hairs, 5 ft. stiff-leg tripod, leveling rod carrying case, plumb bob and direction hook.		1	1
E	139	Leveling Rod- Fiberglass, 25' extended, increments of feet, tenths and hundredths.		1	1
E	140	Light Garden- 4 tier, 3 tier, lighted, minimum of 4 foot 40 watt florescent bulbs watch tier, approximately 62" high, 49" long and 23" wide, complete with trays and automatic timer		3	0
E	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
E	143	Mallet, Carpenter's Wood - Barrel shaped head 2 1/2" x 3" diameter and 6" long, wood handle		1	0
C	144	Measuring Cup Set- glass or durable plastic, one each 8 oz, 16 oz, and 32 oz		14	7
C	145	Measuring Spoon Set- Durable plastic, graduated to 1/8 teaspoon		14	7
E	146	Meat Cutting Board- Wood or plastic		1	0
C	147	Meat Quality Grading Cards (Set)- USDA		1	1
E	148	Meter, Dissolved Oxygen, LCD read-out w/ 12' cable		1	0
C	149	Metric System Laboratory Chart- Approximately 36" X 36"		1	1
E	150	Micro Video Projector, for use with microscope		1	1
E	151	Micrometer Depth Gauge- Satin-chrom finish on thimble and sleeve, graduated in thousands of an inch, hardened and ground screw and base, ratchet stop and lock nut, range 0" to 3", base length 3", to be furnished with three round rods and contained in wood case		1	0
E	152	Micrometer,(set), Outside (0-1", 1"-2",2"-3", 3"-4".)		1	0
E	153	Micrometers, Set, Inside Type- Graduated in thousands of an inch, 1 1/2" to 8" range, 5 tubular measuring rods, satin-chrome finish on head, hardened threads, handle for use in reaching deep holes, packed in wooden box.		1	0
E	154	Micro-Pipetter- Standard 4" medicine dropper with rubber bulb		1	1
E	155	Microscope Lens- Oil immersion		2	1
C	156	Microscope Slides- Glass with cover slips		4	1
E	157	Microscope- Stereo, 10X ocular lens, 4X, 10X, and 40X objective lens (par focal), stage with stage clips and iris diaphragm, coarse and fine adjustment, external light source such as 10W gooseneck lamp, removable lens for attachment of oil immersion lens		10	5

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E	158	Microscope, Dissecting - With illuminator, 2X and 4X ratable objectives, adjustable interpupillary distance of 55 to 75 mm, large field of view and working distance		14	3
E	159	Microwave Oven- 1 cubic foot capacity minimum, 900 watts cooking power, electronic digital display		2	1
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		14	7
C	163	Mixing Spoon Set, 3 spoons of various sizes, heat, odor and stain resistant, microwave and dishwasher safe		14	7
E	164	Module- Training, Agricultural Controls, system contains a complete set of components to carry out experiments in controlling electrical systems in agricultural applications		1	0
E	165	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		1	0
E	166	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		1	0
E	167	Module- Training, Engineering Technology, includes student and instructor courseware, A/V and computer related instructional materials and all necessary supplies and equipment		1	0
E	168	Module- Training, Hydraulics, includes the following: premounted components with ball check quick disconnect fittings; courseware; computer sided instructional software		1	0
E	169	Module- Training, Mechanisms, includes the following: test panel, motor driven; hardware components; courseware; technology software		1	0
E	170	Module- Training, Precision Measuring, includes the following: student console; bench carrel; A/V equipment (2 persons); courseware; equipment package; automated lecture program		1	0
E	171	Module- Training, Wiring Skills, for 2 students, includes the following: mounting board; hardware components with trays; courseware; tool package. 4 to 8 student modules optional		1	0
E	172	Mortar, pestil, glass		7	4
E	173	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., 4-cylinder air cooled with recoil starter.		1	0
E	174	Multi Media Kits- Including computer software, video and CD ROM for 15 modules in plant science		14	7
E	175	Multimedia Kits for Teaching Animal Science and Biotechnology- Including CD ROM, video computer software		14	7
E	176	Multimedia Workstations- IBM compatible or Macintosh		14	7
E	177	Multimeter- Volt, Ohm, ammeter		6	2

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E	178	Multimeter, Digital, Hand-Held- General purpose model for a wide range of application; high resolution count display; protective holster with flex stand; Voltage AC-DC, Current Amps Ac-DC, Resistance (Ohms) Automatic touch 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; Resistance (Ohms) 320 / 3.2k / 32k / 320k / 3.2m / 32m.		1	1
C	179	Nozzle, Water Breaker		2	0
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		2	0
E	181	Nursery Cart		1	0
E	182	Nursery Spade		1	1
C	183	Oven Mitts- All Teflon, quilted		14	7
E	184	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		1	0
E	185	Overhead Projector or Document Camera		1	1
E	186	pH Meter, portable		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		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	0
E	191	Plant Study Center- 3 shelves with lights		1	0
E	192	Plant Tissue Testing Kit		14	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.		1	0
E	194	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.		1	0
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		6	6
E	197	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		14	7
E	198	Pliers, Interlocking Channel, 10"- Seven parallel jaw positions up to 2", chrome finish, 10" long		6	2
E	199	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		8	2
E	200	Pliers, Long Nose, 7"- Long nose with side cutter, natural steel finish with full polish, 7" long		10	2

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E	201	Pliers, Vise Grip, 10"- Lever action to hold jaws in holding position, quick release for removing pressure, straight jaws, 1 5/8"		1	0
E	202	Plow, Push		1	0
E	203	Polarity and Circuit Tester- Direct current capacity from 2 to 18 volts, prod anchored in plastic handle, replaceable neon bulb, built in diode for polarity test, positive current to ignite bulb, but not negative current, 6 ft lead with booted clip		4	1
E	204	Pole, Pruner		1	0
E	205	Post Hole Digger- Hinge type, 9" steel blades riveted to tell frame, 48" handles, to dig 6" diameter holes		1	1
E	206	Poultry cages- for holding birds 2'X2'		1	1
E	207	Preparation Cart- Three shelf cart for teacher demonstration materials, 800lb. capacity, 32" high, 5" rubber/nylon wheels, two rigid two swivel		1	0
E	208	Pressure Washer		1	0
E	209	Printer, Laser- 600 DPI resolution, 10 PPM output		2	1
E	210	Prism- English 10 factor, leather case.		1	0
E	211	Projection Screen		1	1
E	212	Propagation Mats- Electric with thermostat		2	1
C	213	Protractor Ruler- Plastic, protractor plus inches in 10ths and 20ths, 6"long.		10	0
E	214	Pruner, Hand		14	4
E	215	Pruner, Tree - Lightweight aluminum or fiberglass, revolving arm. Teflon blades. Reach increased by additional add-on sections.		1	1
E	216	Pruning Shears, 8"- Anvil action V-shaped teflon coated blade, steel handles with cushion grips.		2	1
E	217	Punch and Chisel (12 pieces)- Set consisting of one each of 1/16", 3/32", 3/16", 1/8" pin punches, 3/8" center punch, 3/8" prick punch, 3/16" x 9" aligning punch, 5/32" x 7" aligning punch, 1/4", 1/2", 5/8" and 3/4" cold chisels,Chrome steel.		1	0
E	218	Raised Bed Garden Kit		15	0
E	219	Rake, Garden - Heavy duty type.		6	2
E	220	Rake, Grading, 24"- Beveled teeth and back grading edge, 6 ft. tubular handle.		6	2
E	221	Rake, Lawn and Leaf - 60 in. long, fan-type, 22 tempered spring steel tines, 19 1/2 in. wide.		6	2
E	222	Refrigerator- 20 Cubic foot capacity minimum, with freezer compartment, for storage of non-eatable laboratory consumables		1	0
E	223	Reproductive Teaching Models- Including cow, chicken and swine		1	1
E	224	Respirator, Full Face- Wide vision polycarbonate scratch resistant anti-fog lens, low resistance filters and cartidges, perspiration relief port, face piece of silicon rubber. Replaceable cartridges to filter organic vapor and pesticides and asorted vapors/mists applications.		3	2
C	225	Rubber Stoppers- Laboratory quality, #6		25	10
E	226	Safety Glass Storage Cabinet- Metal cabinet with door locks, UL approved electrical system. Timer controlled built in germicidal lamp for minimum of 28 pairs of safety glasses.		1	1
E	227	Sauce Pans- With cover, non-stick, 2 quart capacity		5	5
E	228	Saw Horse Folding		12	0
E	229	Saw, Band Portable at least 10 AMP		1	0

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E	230	Saw, Portable Electric, 7 1/4" - Circular blade, continuous duty rating, ball-needle bearing, 5500 R.P.M. no-load speed, electric brake, 2 1/2" depth of cut at 90 degree blade setting, blade guard, complete with one combination blade. Electrical: 12.5 AMPS, 120V, 60 cycle A.C.		2	0
E	231	Saw, Compound Miter Saw		1	1
E	232	Saw, Rip Hand , 5 1/2 Pt.- Hardened and tempered steel blade, taper ground, wood handle, 5 1/2 points per inch, 26" blade		1	0
E	233	Saw, 20-Volt Variable Speed Cordless Reciprocating Saw		1	1
C	234	Scale Stick, Tree and Log- Scribner scale designed to measure tree diameter, 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	236	Scanner		1	0
C	237	Scapal, Safety- 10 K, with replacement blades		1	1
E	238	Screen Sieve Set		2	1
E	239	Screwdriver - Assorted set (flat/phillips)		1	1
E	240	Screwdriver, Standard Blade Sets		1	0
E	241	Service Floor Jack, 5 Ton- Hydraulic operated, heavy metal construction, with 5 ton minimum capacity		1	0
C	242	Serving Spoon- Perforated spoon, 14", stainless steel		10	5
E	243	Shop Vacuum Cleaner- Industrial type		1	1
E	244	Shovel, Round Point		2	1
E	245	Shovel, Round Point D Handle - Heat treated steel blade 9 1/4" X 1/2" with forward turned step. 47" fiberglass handle.		8	4
E	246	Shovel, Square Point, 12"- 47", "D" fiberglass handle with rivets.		2	1
E	247	Shovel, Tile Spade Planting- High quality steel with 14" long 5" wide blade, full gusset along backspine with shoulder reinforcement. Fiberglass reinforced D handle.		4	2
E	248	Small Animal Teaching Unit- Complete with 15 units of various sizes ranging from 2 to 27 cubic feet, with sanitation equipment		1	1
E	249	Socket Set, Metric- 1/4", 3/8", 1/2" drives		2	1
E	250	Socket Sets, standard 1/4", 3/8", and 1/2" drives		2	1
E	251	Soil Moisture Meter- Instantaneous reading, battery powered with 9 inch probe, battery included		1	0
E	252	Soil Sampler, 21"- Draw cut, chromium plated. T-handle of tubular steel.		1	1
E	253	Soil Test Kit- Reagents and equipment necessary to perform 100 to 300 diagnostic tests for the following chemicals: nitrates, phosphorous, potassium, acidity, magnesium, iron, aluminum, calcium, chloride, manganese.		1	1
E	254	Soil Thermometers- 20 to 180 degrees F., 4" probe, rust and water proof		4	2
C	255	Spatula, Stainless Steel		6	4
E	256	Sprayer, 2-3 Gallon- Polyethylene tank, brass pump, hose, extension tube and adjustable shoulder strap.		3	1
E	257	Sprayer, Backpack		2	0
E	258	Spreader, Seed and Fertilizer		1	0
E	259	Stopwatch- Water and impact resistant. Displays hours down to 1/100 seconds. Lanyard and battery included. Digital display.		14	1
E	260	Storage Bin, Soil/Soil Ingredients		3	0

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E	261	Storage Cabinet- Steel, 36" X 42" X 73" with adjustable shelves for storing and securing instructional materials.		3	1
E	262	Storage Cabinet, Metal Eyewear - Factory assembled with door locks and UL approved three-wire electrical system. Timer-controlled, built-in germicidal lamp. Size: 24 1/2" W X 9 1/4" D X 28" H		1	1
E	263	Strainer Set- Stainless steel, one each size approximately 3", 6", and 8"		3	1
E	264	Tape, Diameter - Direct reading of diameter , increments in tenths, other side linear in feet 10ths and 100ths.		2	1
E	265	Tape, Logger's - Automatic rewind, 75' long. Spring wind automatic in to steel case hardened steel gears. Combination tape feet, 10ths, 100ths, one side. Other side 120" diameter inches, 10ths. Steel tape.		5	1
E	266	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 spool, black numerals oin white background, divided feet and inches to 16ths, foot marks and 16" centers clearly indentified.		1	0
E	267	Tape, Surveyor's- 100' graduated in 10ths and 100ths, fiberglass or me		1	1
C	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
E	271	Test Tube Rack- 16 test tube capacity with drying pins Plastic autoclavable		6	6
C	272	Test Tubes- Standard 20 X 150 mm		100	25
E	273	Thermometer- High-low, records highest and lowest temperatures reached since previous settings and indicates current temperature, alcohol		2	0
E	274	Thermometer- Hydrometer- Float gauge in three colors with "Recharge", "Fair" and "Good" markings, range 1060 to 1320; recessed thermometer with range of 0 to 160 degrees, alcohol		2	0
E	275	Thermometer, Combination Confectionery/Deep Fry- 100o to 400o range, Fahrenheit and Celsius scales, alcohol		2	1
E	276	Thermometer, Meat- 6.75"L, recommended by National Livestock and Meat Board, Fahrenheit and Celsius scales, alcohol		1	1
E	277	Thermometer, Meat, alcohol		1	0
E	278	Thermometer, Veterinary, alcohol		1	0
E	279	Tiller, Rear Tine- Type: Chain drive transmission. Adjustable heavy duty handle with panel mounted throttle and clutch controls. Adjustable steel drag stake and transport wheels. Engine: 8 H.P., 4-cycle air cooled with recoil starter.		1	0
E	280	Timer, LCD Electronic Display		6	3
E	281	Tongs, Utility- Stainless steel, plastic coated handles, dishwasher safe		6	3
E	282	Tree Caliper- Aluminum 24" capactiy, graduated inches, and 10ths on both sides.		1	0
C	283	Trowel, Hand Soil		10	5
E	284	Ultraviolet Lamp		1	1
E	285	Utility Trailer- Two wheel, pneumatic tires, all-steel construction, 17 cu. ft., 1500 lb. capacity, lift-out tail gate.		1	0
E	286	VCR and DVD Recorder/Player		2	1
E	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
C	289	Water Hose- Double-reinforced rubber with permanently attached brass couplings.	4	2
E	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
E	291	Watt Meter- AC/DC	1	0
E	292	Weed Cutter- Replaceable serrated blade 14" X 2 1/2", oval handle. Length 30" to 40".	1	0
E	293	Wheelbarrow, Heavy duty	1	0
E	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
E	295	Wrenches, Hex - "L" shape, long pattern, 14 pcs. ranging in size from .050" to 5/16"	1	0
E	296	Wrenches, Hex - "L" shape, long pattern, 9 pcs. ranging in size from 5/64" to 1/4"	1	0
E	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