

Equipment / Consumable	Item Number	Technical Area	Ag Mechanics 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	Electricity	600 Amp AC/DC TRMS Clamp Meter with Temperature		1	0
E	2	General	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	1
E	3	General	Air Compressor, Gas Powered- 5 H.P gas compressor with twin four gallon tanks, twin cylinder cast iron pumps to deliver in excess of 9.0 CFM at 90 PSI including 15' air hose		1	0
E	4	General	Air Hose Assembly		4	1
E	5	General	Air Pressure Regulator- For paint spray guns. Large capacity regulator, centrifugal oil/water eliminator, 2 outlet valves for clean air at regulated pressure, 1 outlet valve for clean air at main pressure 250 psi.		1	1
E	6	General	Air Tank, Portable- Pressure gauge, shutoff valve, 4 ft. hose, 125 PSI maximum		1	0
E	7	Engines	Antifreeze Tester- Glass tube with five floating balls, rubber bulb on top and rubber hose on bottom of tester, to indicate protection from freezing from 0 degrees to minus 40 degrees		1	1
E	8	Metals	Anvil, Blacksmith's- Type with stand, gray cast iron body, tool steel face, steel covered horn, 100 lbs. total weight welded steel stand with maple top, 24" high		1	1
E	9	Metals	Arc Welding Booths- Minimum size 48" X 48" X 76" with a see through vinyl fire resistant curtain.		10	5
E	10	Wood	Auger Bits- Solid center square shank type, set to include 13 bits ranging in graduations of 1/16" from number 4 to 16		2	1
E	11	Engines	Bar Groove Cleaner- For use in cleaning grooves of chain saw bars; graduated 25, 35 and 45 degrees and 1/4", 3/8" and 7/16" depths		1	1
E	12	General	Battery Booster Cables - Heavy duty copper cable encased in neoprene, insulated color-coded clamps, 20 ft. long, No. 2 cable		1	1
E	13	General	Battery Cable Puller- To remove battery cable clamps to consist of two jaws that can be inserted under clamp and a puller screw for lifting clamp		1	0
E	14	General	Battery Charger-Tester- For 6 and 12 volt batteries, output 100 and 50 amps input 115 volts at 10 amps.		1	1
E	15	General	Battery Terminal Brush- Female end for cleaning terminals, male end for cleaning clamps, contained in acid resistant case		1	0
E	16	General	Benches- Work, hard maple laminated top, with metal base		8	4
E	17	Wood	Bit Extension- Designed to follow 11/16" bit, capacity 1", forged socket and shank, hardened and tempered, one-piece steel sleeve, 18" long		1	0
E	18	General	Bit Set- Electrification, 3/8"-1" by 8ths		1	1
E	19	General	Bits, High Speed Twist Drill- 29 fractional bits, 1/16 thru 1/2" by 64ths of an inch		1	1
E	20	General	Bits, Power Wood- Spade type, one piece tool steel, flared blade, complete set		2	1
E	21	Engines	Bits, Torqux Start, 8 piece set, T-10 - T-45		30	15
E	22	General	Bolt Cutter, 18"- Center cut type, compound lever action, 18" length, cushioned and insulated handle grips, capacity 3/8" in medium to hard metal		1	1
E	23	General	Bolt Cutter, 30"- Center cut type, compound lever action, 30" length, cushioned and insulated handle grips, capacity 7/16" in hard metal		1	0
E	24	Masonry	Brick Chisel- Forged of vanadium alloy steel, edge beveled, baked finish with polished 4" bit.		1	0
E	25	Masonry	Brick Hammer- Oval shaped, chrome plated tubular steel shaft, 16 oz. forged steel head, neoprene grip handle		1	0
E	26	Masonry	Brick Jointer, 3/8" x 1/2" - Forged crucible steel, heat treated, ground and polished face, 3/8" x 1/2"		1	0
E	27	Masonry	Brick Trowel- Taper ground from heel to point and from center to edges. Forged in one piece. 6" X 4 3/8" blade		2	1
E	28	Masonry	Brick Trowel, Narrow London, 10"- Narrow London pattern, one piece forged and heat treated steel blade with 4 7/8" wide heel and 10" long, steel ferrule hardwood handle		1	1
E	29	Masonry	Bricklayer's Hammer, 24 Oz.- Forged hammer steel, fitted wood handle		1	0
E	30	Woods	Brush Duster- Soft Pliable bristles 2 1/2" long set in hardwood block with handle, overall length 14 1/2"		12	4

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E	31	General	Brush, Cup Type Carbon Removing - Brush diam. 1 5/8", crimped .013" steel wire looped into hub, 1/4" stem for use in electric drill		1	0
E	32	Engines	Brush, Parts Cleaning - Hard nylon brush fibers, round pattern, 12" long, 1" diameter head		10	5
E	33	General	Brush, Solid Type Carbon Removing- End brush 3/4" diam., .006" wire size, 1/4" stem for use in electric drill		1	0
E	34	General	Brush, Twist Type, Carbon Removing - Brush 1 1/8" in diam., tightly twisted spiral of .020" steel wire, 1/4" stem for use in electric drill		1	0
E	35	Metals	Brushes- Wire, 1" X 6" with handle		12	5
E	36	Structures	Builders Calculator		5	0
E	37	General	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	38	Woods	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		7	0 unless no storage for wood fab. Tools is available
E	39	Safety	Cabinet, Sterilization and Storage, for Safety Goggles- 40 pair capacity and safety glasses		1	1
E	40	Electricity	Cable Cutter, High leverage, 9", for 4/0 aluminum, 2/0 soft copper, 100 - pair 24 AWG communications cable		15	4
E	41	Electricity	Cable Cutter, Standard, 32"		1	1
E	42	Electricity	Cable Ripper- For use in nonmetallic sheathed cable with outside diameter 5/8 inches or smaller		30	0
E	43	Electricity	Cable-Splicer's Knife		30	15
E	44	Engines	Caliper, Dial Vernier - 0 to 6 inches, .100" graduation		30	15
E	45	Engines	Calipers- Inside, 6", screw operated		3	0
E	46	Engines	Calipers- Outside, 6", screw operated		3	0
E	47	General	Camera, Automatic with carrying case.		1	0
E	48	General	Camera, Digital, with screw on UV Filter		1	0
E	49	Masonry	Cement Edger- Cast aluminum, wooden handle, cuts 2 3/4" X 5 3/4" with 5/8" radius each end.		1	1
E	50	Masonry	Cement Groover- Cast aluminum, both ends curved, wooden handle, cuts 1/2" deep X 3/8" wide		1	1
E	51	General	Chain Hoist, 1 1/2 ton - Differential type, 1 1/2 ton capacity, to lift 10 ft., electric pull, 7/16" chain, safety hooks		1	0
E	52	Engines	Chain Saw Chaps		1	0
E	53	Engines	Chain Saw File- Round blunt end, double cut various sizes. *Required with chainsaw.		1	0
E	54	Engines	Chain Saw Gloves *Required with chainsaw.		1	0
E	55	Engines	Chain Saw Sharpening Kit- To include sharpening tool, guide, grinding wheels, spacers, adjustment gauge, and wrench. AC 120 volt or cordless. *Required with chainsaw.		1	0
E	56	General	Chalk Line, 10'- Self-chalking reel, aluminum box, leak-proof, self-locking handle, 100' length		2	1
E	57	Metals	Chisel, Cape, 3/8"- High carbon hardened and tempered steel, 3/8" wide blade at cutting edge		5	1
E	58	Metals	Chisel, Cold Cape, 1/4"- High carbon hardened and tempered steel, 1/4" wide blade at cutting edge		5	1
E	59	Metals	Chisel, Diamond Point Cold - Forged from alloy steel hardened and tempered, 1/2" hexagon stock, 3/8" point		5	1
E	60	Metals	Chisel, Flat Cold, 1"- Alloy steel, hexagon stock, 1" size		5	1
E	61	Metals	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"		4	1

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E	62	Wood	Chisels, Wood - Complete set		4	2
E	63	Electricity	Circuit Tester - Detects wiring configurations and indicates: correct wiring, open ground, reverse polarity, open hot, open neutral, hot/ground reversed. RT200 also works on GFI outlets and confirms operation of the ground fault. Light sequence indicates correct/incorrect wiring. These receptacle testers are used to troubleshoot 120V AC grounded outlets		6	1
E	64	General	Clamp, "C" - Set of 8, 2 1/2", 4", 6" and 8", sliding pin handle, heat treated acme screw, ball and socket tip, frame made of high grade malleable iron		8	4
E	65	Wood	Clamp, Bar, 6'- Regular duty "I" bar, notches spaced 1/2" apart, quick action, steel handle with wood grip, 6 ft. opening.		8	4
E	66	Wood	Clamp, Hand Screw- One each of 6" and 10", hard maple jaws, steel spindles, maple handles protected by heavy steel ferrules		8	4
E	67	Wood	Clamp, Quick Grip Bar- Positive rocking action to hold work tight, quick release trigger let go in a snap, high-tech resin construction is strong yet lightweight, instantly adjustable clamping pressure, large, pliable pads won't mar work. Complete set- jaw opening size: 6", 12", 18", 24" and 36".		4	2
E	68	Metals	Clamp, Welding - Plier type, vise grip, alloy steel, toggle action and positive lock, U-shaped jaws, release lever in handle, jaw width 2 3/4", length 9", jaws adjustable to 1 5/8".		8	4
E	69	Metals	Cleaners- Tip, oxyacetylene welding		6	1
E	70	Engines	Cleaning Gun Nozzle- Used for cleaning engines, machines and small parts; to operate from compressed air and capable of spraying most solvents, suction feet, 9" nozzle, 7' 6" hose, air consumption 4 1/2 cfm at 50 psi		1	0
E	71	ENR	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%, 200' at 66' baseline with leather carrying case.		4	1
E	72	Wood	Combination Drill and Countersinks- For flathead wood screws, adjustable, 5 to each set consisting of one each of the following sizes: 3/4" x No. 8, 1" x No. 8, 1 1/4" x No. 10 and 1 1/2" x No. 12		4	2
E	73	Wood	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		30	15
E	74	General	Computer Cart- With casters, includes surge protector, electrical outlets, adjustable shelves		1	0
E	75	General	Computer Printer, color		3	0
E	76	General	Computer, Desktop or Tower Configuration, IBM compatible or MacIntosh		14	1
E	77	Masonry	Concrete Finishing (metal) Float- made of very hard magnesium, equipped with smooth wood handle, 16" x 3 1/8"		2	1
E	78	Masonry	Concrete Finishing (wood) Float- Clear seasoned wood, 3/4" thick, 12" x 5", finished smooth and equipped with hardwood handle.		2	1
E	79	Masonry	Concrete Finishing Edger- Stainless steel, rivet free, wood handle, "L" long, 3" wide, 3/8" lip		4	1
E	80	Masonry	Concrete Finishing Groover- Bronze Body 6" long and 4 1/2" wide, natural wood handle, bit to be 3/8" wide at top and 1/2" deep.		1	1
E	81	Masonry	Concrete Mixer		1	0
E	82	Electricity	Conduit Bender- (EMT), One each of 1/2" and 3/4"		1	0
E	83	Electricity	Conduit Bender- Offset, One each of 1/2" and 3/4"		1	0
E	84	ENR	Construction Level- 20X magnification, accurate within 0 to 1/4" at 75'. Complete with carrying case, plumb bob, tripod and rod, 25' fiberglass rod.		1	1
E	85	ENR	Construction/Farm Level, w/case, tripod		4	1
E	86	Wood	Coping Saw, 6 3/8" - Spring steel frame, hardwood handle complete with 6 3/8" blade		4	1
E	87	General	Cotter Key Puller- Tough steel hook, plastic handle, 8" long		2	0
E	88	Wood	Countersink Brace- Used in wood to countersink for screw heads, square shank, 3/4" size		6	1

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E	89	Wood	Countersink, Machine, 3/8" Shank - High speed steel, 82 degree angle, 3/8" shank, 3/4" cutting edge		3	1
E	90	General	Crane, Portable Shop- Hydraulically operated, 1/2 ton capacity with boom extended 41", wide stabilized base with roller bearing front wheels and swivel ball bearing rear casters, multiple boom length adjustments, removable pump handle, release from any position		1	0
E	91	Electricity	Crimping/cutting tool, non-insulated/insulated conductors		4	1
E	92	General	Disc, Angle Grinder- 4 1/2". Handle that mounts on either side.		8	4
E	93	General	Disc, Angle Grinder- 9" 2 H.P. minimum, 4600 RPM, no load speed, spindle lock, spiral bevel gears, ball and roller bearings. Handle that mounts on either side		2	1
E	94	General	Drawing Instruments- Professional grade contained in foam padded metal and to consist of the following items: 1ea. Big bow combination, center wheel, compass 11" maximum circle; 1 ea. Small bow pencil, center wheel, compass 5" maximum circle; 1 ea. Friction divider, 6" capacity; 1 ea. Square beam bar to fit big bow compass that will accept pen, pencil and technical pen attachments. *Required for landscape.		30	15
E	95	General	Drawing Kit- 1 ea. 18" x 24" Drawing board; 1 ea. 24" T-square; 1 ea. 30 x 60 degrees 10" Triangle; 45 degrees 8" Triangle; Architects Scale; 1 ea. Semicircular Protractor; Irregular Curve; 3/4" 1 roll Drafting Tape; 2H + 4H pencil; 1 ea. Pink Eraser; 1 ea. 1" x 1" x 2" 1 Lettering Chart. *Required for landscape.		30	15
E	96	General	Drawing Supply Cabinet- A special landscape drafting materials storage unit for class of 24. Heavy duty construction. Overall size 48" W x 22" D x 84" H. Includes: 24 drawing boards, 24 T-squares, 24 Pencil pointers, 24 Rolls drafting tape, 24 Bottles black ink, 24 scales, 24 6" Bow compasses, 24 Metal erasing shields, 24 curves, 24 protractors, 24 10" 30-60 angles, 24 10" 45 angles, 24 gum erasers, 3 Lettering sets, 12 doz. 2H and 12 doz. 4H pencils.		1	1
E	97	General	Drill Press Vise- Adjustable from 0 degrees to 90 degrees. Grooved steel jaws for holding round or tapered pieces, steel, adjustable support screws with slotted bolt down base.		2	1
E	98	General	Drill press Vise, cross slide, 4"		1	1
E	99	General	Drill Press, Variable Speed, 15" - Floor model, round steel column 2 3/4" OD (min) cast iron base with slots, tilting table 10" to 14" (min) with slots. Ball bearing spindle with 6" stroke and provided with depth stop, capable of drilling to center of 15" diameter 0"-1/2" Jacobs chuck, variable speeds 475 to 4700 rpm, 1/2 hp.		2	1
E	100	General	Drill Set- High speed twist, 1/16"- 1/2"		4	1
E	101	General	Drill, Portable Electric Hammer-1/2" with steel carrying case. Heavy duty, pistol grip, 1/2" chuck capacity, trigger speed control, two speed gear shift reversing		1	1
E	102	General	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	103	General	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		8	4
E	104	General	Drill, Portable Electric/Cordless- Heavy duty, 550 RPM no load speed, 3/8" chuck, variable speed, reversible.		4	4
E	105	General	Drills Set, Carbon Steel - High speed steel, straight shank, jobbers length, fractional sizes from 1/16" to 1/4" by 32nds		4	1
E	106	Wood	Drills, Spur Machine - Designed for use in power-feed wood boring machines and in portable electric drills using 1/2" round shank drills, 1/2" x 2" shank, 4" twist length, 12 pcs. to set in sizes 1/4" to 1" by 16ths		1	0
E	107	Metals	Drills, Wire Gauge Sizes- Wire gauge sizes from No. 1 to 60		4	1
E	108	General	Drivers, Hex Nut - Tempered sockets, chrome finished, 3" shaft length, plastic color coded handles, drivers to set in metric sizes		1	1
E	109	General	Drivers, Hex Nut Set- tempered sockets, chrome finished, 3" shaft length, plastic color coded handles, nine drivers to set in sizes from 1/4" to 1/2".		4	1

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E	110	General	Drivers, Impact, 3/8"- Delivers rotary impact in either direction, set to consist of: Impact Driver, Hex sockets; Clutch head drivers; Phillips head driver;; Long head drivers; and straight screw driver.		1	1
E	111	Electricity	Dual Non-Metallic Cable Stripper/Cutter Combination Wiring Tool- Strips, cuts, bends and pulls electrical wire.12/2 and 14/2 stripping slots quickly remove outer jacket of Type NM-B sheathed cable.Stripping holes easily remove insulation on 12 and 14 AWG lead wire. Wire-looping, bending and screw-shearing holes, insulated grips.		30	15
E	112	General	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	1
E	113	General	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	1
E	114	Electricity	Electric Motor- 1/2 hp, split phase		4	0
E	115	Electricity	Electric Motor- 1/3 - 1/2 hp, capacitor start		4	1
E	116	Electricity	Electrician's Tool Holster- Tape holder, knife clip, saddle leather with natural cowhide finish, brass rivets, pliable belt slots complete with saddle leather belt and metal buckle		30	15
E	117	Electricity	Electrician's Wire Strippers, Strips 10-20 gauge wire Spring-action motion helps increase leverage and reduces hand fatigue		4	1
E	118	Engines	Electronic Tachometer- For use on magneto, battery or solid state ignition systems, measure 0-10,000 rpm. Meter displays rpm while running, when engine is stopped, meter displays elapsed time.(TinyTach)		8	4
E	119	General	Emergency Eye Wash Station- Flash flood, lightweight unit, can be hung anywhere in shops, no plumbing required. Completely self contained, includes one gallon container of special solution		2	1
E	120	Engines	Engine - Gasoline, two-stroke-cycle		1	0
E	121	Engines	Engine Compression Leakdown Tester- Used to test the sealing capabilities of the compression components of all engines. Comes with crankshaft clamp.		4	1
E	122	Engines	Engine- Gasoline, four-stroke-cycle, Overhead Cam		30	4
E	123	Engines	Engine- Gasoline, four-stroke-cycle, Overhead Valve		30	15
E	124	Engines	Engine Stand, Universal- Twin-post design, to handle engines up to 2000 lbs. with standard attachments, 6 to 1 gear ratio to turn the engine in a 360 degree radius and stop in any position, equipped with heavy floor casters		1	0
E	125	General	Expansion Bit- Solid head, positive adjustment, 9 1/2" length 2 interchangeable hardened tool steel cutters, 7/8" to 3" diam. range of holes.		1	0
E	126	General	Extractors, Screw and Bolt - Spiral left-hand thread type, square shank for turning. Set to remove broken screws and bolts from 3/16" to 3/4" and to consist of one each Nos. 1, 2, 3, 4, and 5.		1	1
E	127	General	File Cabinet- Metal four drawers, letter size with lock.		2	1
E	128	Metals	File Card and Brush- Brush one side. card other side, 1 1/2" X 5"		2	1
E	129	Metals	File Handle- Softwood, brass ferrule, various sizes		2	0
E	130	Metals	File, High Quality Triangular Taper, 6"		4	1
E	131	Metals	File, Mill Bastard, 10"		8	2
E	132	Metals	File, Thread- Used for restoring damaged threads, plastic covered handle, blade 5" long and about 1/8" thick		2	1
E	133	General	Fire Extinguishers- Type A, B, C, industrial type, rechargeable		4	1
E	134	General	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.		4	1
E	135	General	Flexible Spout- 5 oz. oiler pump		30	15
E	136	Engines	Flywheel Holder Strap Wrench		30	15
E	137	Engines	Flywheel Puller - large, hole distance 2 - 13/16"		30	15
E	138	Engines	Flywheel Puller - medium, hole distance 2"		30	15
E	139	Engines	Flywheel Puller - small, hole distance 1 5/8"		30	15

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E	140	Engines	Flywheel Puller, Small Engine type- Slide hammer type, for removing flywheels from small engines. Adapter to have holes threaded 1/2" - 20 and 7/16" - 20 threads per inch and an unthreaded .510" hold for Briggs and Stratton shafts, also, adapter for outboard engines.		1	0
E	141	Wood	Framing Square, 24"- Blued steel, 24" x 2" body with 1/16" and 1/8" graduations on face and 1/16" graduations on back, 16" x 1 1/2" tongue with 1/16" and 1/8" graduations on face and 1/12" and 1/10" graduations on back, rafter tables, brace measure, octagon scale, board measure and 100th scale		30	15
E	142	Engines	Funnel - for adding oil/fuel/etc... to small engines		4	1
E	143	Engines	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	1
E	144	Engines	Gasoline Can, 5 Gallon Safety Type- Non flashback brass flame arrestor screen, red with yellow precautionary lettering		1	1
E	145	General	Gauge, Screw & Wire- Screw gauge 0 to 30, wire gauge (English Std.) 17 to 0000, wire gauge (Am. Std.) 15 to 0000, spring tempered steel, 4 1/2" long, 1 7/16" wide, polished finish		1	1
E	146	Metals	Gauge, Screw Pitch- V American National and U.S. Standard 60 degree threads, 30 pitches from 6 to 60 threads per inch and 11 1/2 and 27 pipe thread pitches, positive stop		1	1
E	147	Metals	Gauge, Sheet Metal- US Standard, range 0 to 36, hardened, satin finish		2	1
E	148	Engines	Gauge, Spark Plug		4	4
E	149	Metals	Gauge, Steel Wire- American Steel and Wire Co., range 0 to 36, hardened, satin finish		1	1
E	150	Engines	Gauge, Thickness- 25 leaves ranging from .0015 to .040 inches thick, leaves 1/2" wide and 3 1/16" long, locking device		30	15
E	151	General	Gauge, Tire- For cars and light trucks, calibrated in 1 lb. units to 100 lbs., round head with button to depress valve core, 5 3/4" long		1	1
E	152	Engines	Gauges, Small Hole- Adjustable to size, hardened contacts, accurate gauging by two point contact, safety stop, approximately 2" long, five to set, one each in the following ranges: .125" to .150", .150" to .200", .200" to .300", .300" to .400", and .400" to .500"		1	0
E	153	Engines	Gauges, Telescoping- To consist of a handle on a fixed contact within which a contact plunger telescopes under spring tension, contacts are locked by a turn of the knurled screw, five to set: 1/2" to 3/4" to 1 1/4", 1 1/4" to 2 1/8", 2 1/8" to 3 1/2" and 3 1/3" to 6"		4	1
E	154	Engines	Gear and Wheel Puller- Reversible jaws, up to 6", reach 3 1/4"		1	0
E	155	General	Generator, Portable- 8000 w, 120/240 volt output		1	0
E	156	General	Gloves, Chemical Resistant		12	1
E	157	Metals	Gloves, Welding - Made of leather, with insulated liner, min. overall length 13" with wide cuff for protection		30	30
	158	General	Glue Gun- Heat-resistant plastic housing, handle, 110-120 volt, 60 cycle, AC, UL listed		4	1
E	159	General	Goggles, Chemical Splash - Soft frame, single lens, stack strap vents, clear lens, elastic headband. May be worn over glasses. Meets ANSI Spec Z87.1.		12	1
E	160	General	Goggles, Safety, flexible mask, face shield		8	4
E	161	Metals	Goggles, Welding - Rubber fixable frame, adjustable headband, ventilated, with 2" x 4 1/4" shade, No. 5 filter plate		30	30
E	162	General	Grease Gun- Lever type, 10,000 PSI pressure, 14 oz. standard grease cartridge refill, built-in ball check, with hydraulic extension and 1/8" P.T. female hydraulic type coupler		2	1
E	163	Metals	Grinder, Pedestal, 10"- Cast iron pedestal, 12" x 2" wheels, 1 1/4" diameter arbor, ball bearings, 23" wheel center distance; complete with one 30 grit and one 46 grit wheel, tool rests, water pot, two tool trays and lighted type eye shields.		1	1
E	164	Metals	Grinder, Pedestal, 12" - Cast iron pedestal, 12" x 2" wheels, 1 1/4" diameter arbor, ball bearing motor; Complete with one 30 grit wheel and one 46 grit wheel, tool rests, water pot, two tool trays and lighted eye shields; 3 hp TEFC motor, 1725 rpm, three phase.		1	0

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E	165	Metals	Grinder, Pedestal, 7" - Cast iron pedestal, 7" x 1" wheels, 5/8" diameter arbor, ball bearing motor, Complete with one 60 grit wheel and one 36 grit wheel, tool rests, water pot, two tool trays and lighted eye shields; 1/2 hp TEFC motor, 3450 rpm, single phase 115 volts with magnetic controls.		1	0
E	166	Metals	Grinding Wheel Dresser- Carbon steel cutters, 12" handle		1	1
E	167	Metals	Hacksaw, Adjustable - Nickel plated steel frame, adjustable for 8", 10", or 12" blades, plastic pistol grip handle, complete with one blade		7	1
E	168	General	Hammer- Dead blow, one each 14 and 24 oz.		15	4
E	169	General	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		4	1
E	170	General	Hammer, Brass- Round brass head 1 1/2 lbs. in weight, wood handle		2	0
E	171	Metals	Hammer, Chipping - Standard duty cone and chisel head brazed to spiral steel handle		15	5
E	172	General	Hammer, Cross Peen, 2 lb. - High carbon steel, heat treated, wood handle 16" long, 2 lb. head		2	1
E	173	Wood	Hammer, Curved Claw, 16 Oz.		30	14
E	174	General	Hammer, Double Faced Sledge , 8 Lbs.		1	1
E	175	Electricity	Hammer, Electrician's - Ripping claw bell head 4" long and 18 oz. in weight, fiberglass handle 14" long		30	15
E	176	Wood	Hammer, Framing, 24 Oz.		10	5
E	177	Wood	Hammer, Ripping Claw, 16 Oz.- Drop forged head treated head, octagonal face, tubular steel chrome plated handle with rubber cushioned grip		10	5
E	178	General	Hammer, Soft Face- One each 8 oz. and 16 oz., plastic replaceable tips, wood handle, head weight 16 oz.		8	4
E	179	Metals	Hammer, Tinner's Riveting, 12 Oz.- Used in sheet metal work, polished head with "rim-tempered" face, wood handle		1	0
E	180	Wood	Hand Saw, Crosscut, 8 Pt.- Hardened and tempered steel blade, taper ground, wood handle, 8 points per inch, 26" blade		8	4
E	181	General	Hand Truck		1	0
E	182	General	Handheld Sharpener- Carbide tip with finger protector.		6	0
E	183	General	Hearing Protectors- Liquid or foam filled, multi-position. Minimum NPR of 28.		2	1
E	184	General	Heavy Duty Creeper- Hardwood construction or plastic, roll and pivot in all directions, padded headrest, four swivel type casters, 15 3/4" X 36"		1	1
E	185	General	Heavy Duty Puller, Gear - Manually operated, 20 ton capacity, 9 1/2" jaw reach, 13" jaw spread, 3-jaw, 15" pressure screw of 1" diameter and 14 threads per inch		1	0
E	186	Wood	Hole Saw- High speed steel, knockout holes for easy core removal, complete set		1	1
E	187	Engines	Ignition Spark Tester		6	1
E	188	Metals	Iron Worker		1	0
E	189	Wood	Jointer,- Adjustable infeed and outfeed tables; Full length self-aligning fence to tilt and lock at any angle, plunger-type lock at 90 degrees, positive stops at 45 degrees right and left, single lever adjustment to full width of tables; Jackscrew type cutter head; 3 high speed steel knives.		1	1 For woods programs
E	190	General	Key Set, Torx Folding- T9- T30 sizes.		2	1
E	191	General	Ladder, Fiberglass Extension - 24 ft. nonconductive, interlocking solid channel fiberglass side rails with UV resistant polyester vail. 300 lbs. rating with rope and pulley		1	0
E	192	General	Ladder, Fiberglass, Step, 6 Ft.- 300 lb. rating, high strength extended channel rails with slip resistant safety shoe, 6' standing height		1	1
E	193	General	Level, 24"		8	4
E	194	General	Level, 48"- Brass bound mahogany 48 in. fitted with four plumb and two level vials with etched markings, glass lenses, hand holes		2	1
E	195	ENR	Leveling Rod- Fiberglass, 25' extended, increments of feet, tenths and hundredths.		4	1
E	196	General	Log Chain, 20 Ft.- Breaking test 5600 lbs., 3/8" X 20', grab hook on one end, slip hook on other end		1	0
E	197	Wood	Lumber and Plywood Rack, Vertical - Heavy duty metal construction		1	1 For woods programs

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E	198	General	Machine, Finishing- Combination 12" disc and 6" belt sander; capable of performing compound angle, contour edge angle and compound mitering operations on wood, metal, plastic, compositions and other materials.		1	1 For woods programs
E	199	Wood	Mallet, Carpenter's Wood - Barrel shaped head 2 1/2" x 3" diameter and 6" long, wood handle		8	4
E	200	General	Marking Gauge- For metal or wood, single face head, single bar with adjustable point and graduated in 16ths for 5 in., nickel-plated finish		1	0
E	201	Engines	Micrometer Depth Gauge- graduated in thousands of an inch, ratchet stop and lock nut, range 0" to 3", base length 3", with three round rods and contained in case		1	0
E	202	Engines	Micrometer,(set), Outside (0-1", 1"-2",2"-3", 3"-4".)		15	5
E	203	Engines	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 box.		1	0
E	204	Masonry	Mortar Board- Fiberglass 30" x 30" x 1 1/4" lip, raised edge complete with tubular steel folding stand 21" high		1	0
E	205	Masonry	Mortar Boxes- 9 cubic feet		1	0
E	206	Masonry	Mortar Hoe- Forged steel blade 10" wide with 2 holes, 5 1/2 ft. wood handle		1	1
E	207	Masonry	Mortar Mixer- 1 bag capacity		1	0
E	208	Engines	Mower, Rotary, Riding Lawn Tractor, 40-48" Deck- : , 4-cycle air cooled engine with electric starter.		1	0
E	209	Engines	Mower, Rotary, Zero Turn Radius, 54" - 72" Deck- : , 4-cycle air cooled engine with electric starter.		1	0
E	210	Electricity	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.		4	1
E	211	Wood	Nail Set, 1/16" and 4/32"- Square head, round knurled shank, alloy steel hardened and tempered, cupped tip 1/16" in diameter, 4" long		8	2
E	212	Wood	Nailer, Pneumatic Framing- Drives nails up to 3 1/2" long		1	0
E	213	General	Nut splitter- Heavy "C" frame, hardened cutter, for nuts up to 7/8" across flats		1	0
E	214	Electricity	Nutdriver, Magnetic, 5/16" x 9" shank		30	15
E	215	Electricity	Nutsetter, 5/16" , 6" long, magnetic for use with cordless drill		4	1
E	216	Engines	Oil Filter Wrench- For removal of all types disposable oil filters, used with 3/8" drive ratchet wrench, 2 standard sizes		2	2
E	217	General	Oilstone- Silicon carbide crystals, 6" X 2" X 1", combination coarse and fine		1	0
E	218	Metals	Oxyacetylene Welding & Cutting Outfit- to consist of torch body; cutting attachment; set welding tips 1/16" to 1/8", 1/8" to 3/16" and 1/4" to 3/8" range; 1 set cutting tips 1/8" to 1/2", 1/4" to 7/8" and 1/2" to 1 1/2" range; 2 stage; 2 stage; 1 25 ft. hose; lighter, 10 pr. shields, vinyl cover; combination wrench		6	2
E	219	General	Paint Spray Gun- Standard duty, aluminum body, plated drop forged head, adjustable floating fluid needle valve, stainless steel air valve cartridge, trigger with hardened steel wear plate and bronze brushings, controls at back of gun, complete with clamp type one quart siphon cup		1	1
E	220	Wood	Panel Saw/Panel Router Combination Machine- With 2 1/2 hp, 13 amp saw motor and 2 1/4 hp, 12 amp router motor, two hand clamps, two adjustable blind dado stops, midway fence system, cord holder, includes: wheel kit, tripod stand and hold down bar.		1	0
E	221	Engines	Parts Washer- minimum 15 gal. capacity		1	1
E	222	General	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	223	Engines	Pinch and Lining Bar, 20"- One end chisel point, other end tapered, 20" long, 3/4 stock		8	4
E	224	Metals	Pipe Cutter- Heavy duty, 1/8" to 2" capacity, single tough blade cutter wheel, tow rollers, large handle for quick adjustment, malleable iron frame		2	0

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E	225	Metals	Pipe Dies, 6 Piece- Exposed ratchet type, drop head dies, head locks in or releases by pull of ratchet knob, set to consist of ratchet handle and one each 1/4", 3/8", 1/2", 3/4" and 1" solid dies.		1	0
E	226	Metals	Pipe Threaders, 1/2" to 2" - Adjustable guide ratchet type, solid dies, 4" x 4" die blocks. Set to consist of ratchet and one each of the following dies: 1 1/4", 1 1/2", and 2"		1	0
E	227	Metals	Pipe Wrench- Straight pattern, alloy steel jaws, adjusting nut that will spin easily. Set of 6", 8", 10" and 14".		2	1
E	228	Engines	Piston Groove Cleaner- Suitable for pistons from 1" to 5" in diameter; two cutter wheels with five blade sizes for each; one wheel to have blade sizes of: 5/64", 3/32", 1/8", 5/32" and 3/16"; the other wheel to have sizes of: 1/16", 5/64", 3/32", 5/32" and 3/16"		2	1
E	229	Engines	Piston Ring, Compressor, Small Engine - Made especially for small engines, 1 1/2" to 3" diameter pistons, 2" high blue steel compression band, single tension band.		30	15
E	230	Wood	Plane, Block, 6"- Cast iron, smooth bottom, sides and bottom machined, adjustable mouth cutter adjusts for thickness and evenness of shavings, handle and knob cast and machined, 6" length, 1 5/8" width		2	0
E	231	Wood	Plane, Jack, 14"- Cast iron, smooth bottom, sides and bottom machined, adjustable mouth, cutter adjusts for thickness and evenness of shavings, handle and knob of hardwood, 14" length, 2" width		6	0
E	232	Wood	Plane, Smooth, 9"- Cast iron, smooth bottom, sides and bottom machined, adjustable mouth, cutter adjusts for thickness and evenness of shavings, handle and knob of hardwood, 9" length, 2" width cutter		2	0
E	233	Wood	Planer, capable of surfacing stock- Rounded cutter head safety type; high speed steel helical cutter head.		1	1 For woods programs
E	234	Metals	Plasma Arc Cutting Outfit- With wheels attached, torch with 25 ft. hose, ground clamp with cable, air regulator, air filter, air hose and primary input cable, 1/2" max. cutting capacity, 200 volt single or three-phase power.		1	0
E	235	Electricity	Pliers, 6", Standard Diagonal Cutting		30	15
E	236	General	Pliers, Combination, 6"- Slip joint, chrome plated, flat and curved jaws with sharp matching teeth, 6" long		10	5
E	237	General	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		15	5
E	238	General	Pliers, Fence and Staple Puller - Designed for metal and wood posts; to be capable of driving and pulling staples and post lugs and to cut, splice and stretch wire; nickel plated, plastic coated handles, 10 1/2" long		1	0
E	239	General	Pliers, Hose Clamp - For installing and removing wire spring tension clamps, two position jaws that will grip full range of clamp sizes, chrome plated		1	0
E	240	General	Pliers, Interlocking Channel, 10"- Seven parallel jaw positions up to 2", chrome finish, 10" long		6	1
E	241	General	Pliers, Interlocking Channel, 16"- Eleven parallel jaw positions up to 4", chrome finish, 16" long		1	1
E	242	General	Pliers, Interlocking Channel, 6"- Five parallel jaw positions up to 1", chrome finish, 6" long		1	1
E	243	Electricity	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		30	15
E	244	Metals	Pliers, Locking - 7 1/2" straight serrated jaws, cold forged steel.		8	4
E	245	Electricity	Pliers, Long Nose, 7"- Long nose with side cutter, natural steel finish with full polish, 7" long		30	15
E	246	General	Pliers, Needle Nose, 5"- Short chain nose, serrated tips, natural steel finish with full polish.		2	1
E	247	Engines	Pliers, Retaining Ring- Combination internal and external, straight pattern, for shaft diameters 1" - 1 7/16" and bore diameters 1 1/16" - 1 3/4".		2	2

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E	248	Metals	Pliers, Vise Grip, 10"- Lever action to hold jaws in holding position, quick release for removing pressure, straight jaws, 1 5/8"		8	4
E	249	Metals	Pocket Scriber- Made from steel tubing, knurled and nickel plated, tempered steel point held in handle by a knurled chuck		7	0
E	250	Metals	Pop Riveter and Rivets- hand pop riveter with interchangeable nosepiece for large sizes		2	1
E	251	Metals	Power Hacksaw, endless blade, 1/2 h.p.		1	0
E	252	Metals	Press, Hand Hydraulic, 24 Ton- Capacity 25 tons, screw-type ram, large pump, stationary self-contained work head, work width 33", work height 39", ram travel 5", complete with work head, pressure gauge, table hoist, table plates, v-blocks and round and v-ram noses		1	1
E	253	General	Pressure Washer		1	0
E	254	Metals	Prick Punch- Forged from high grade octagon alloy steel, properly hardened and tempered, body finished in black, polished taper and head. 1/2" stock and 6" long		1	0
E	255	General	Printer		1	1
E	256	General	Projection Screen		1	1
E	257	Metals	Propane Torch- Ram jet principle, all-purpose orifice; complete with torch, flame spreader, soldering tip, heavy duty burner head and flint spark lighter.		2	0
E	258	Metals	Punch- Complete set with sizes 3/16", 1/4", 5/16", 3/8" and 1/2" by 6". Forged from high grade octagon alloy steel, properly hardened and tempered, body finished in black, polished taper and head.		2	1
E	259	Metals	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.		2	0
E	260	Metals	Punch Pin- 1/4" X 1/2" X 6"- Forged from high grade octagon alloy steel, properly hardened and tempered, body finished in black, polished taper and head. 1/4" diameter point, 1/2" stock and 6" long		2	0
E	261	Metals	Punch Pin- 3/16" X 3/8" X 6"- Forged from high grade octagon alloy steel, properly hardened and tempered, body finished in black, polished taper and head. 3/16" diameter point, 3/8" stock and 6" long		2	0
E	262	Metals	Punch Pin- 3/8" X 8"- Forged from high grade octagon alloy steel, properly hardened and tempered, body finished in black, polished taper and head. 3/8" diameter point, 5/8" stock and 8" long		2	0
E	263	Metals	Punch Pin- 5/16" X 1/2" X 6"- Forged from high grade octagon alloy steel, properly hardened and tempered, body finished in black, polished taper and head. 5/16" diameter point, 1/2" stock and 6" long		2	0
E	264	Metals	Punch, Brass- 8" long, 5/8" stock, 3/8" point		2	1
E	265	Metals	Punch, Center- Forged from high grade octagon alloy steel, properly hardened and tempered, body finished in black, polished taper and head, 1/2" sock, 6" long		8	1
E	266	Metals	Punch, Light Duty Metal- Capacity 1/4" hole through 16 gauge mild steel, one each 3/32", 1/8", 5/32", 3/16", 7/32", 1/4" and 9/32" round punches and dies, metal box and bench mounting base		1	1
E	267	Metals	Punch, Long Taper - Forged from high grade octagon alloy steel, hardened and tempered, body finished in black, taper and head polished, 5/164" diameter point, 5/8" diameter stock, 16"		2	1
E	268	Metals	Punches, Assorted- Consists of 1/8" and 3/16" pin punches, 3/8" center punch, 3/8" prick punch and 5/32" solid punch		4	0
E	269	Metals	Punches, Starter- 6 to each set. All are 6" in length and 1 each of the following: 1/16" with 1/4" stock diameter, 1/8" with 5/16" stock diameter, 3/16" with 3/8" stock diameter, 1/4" with 1/2" stock diameter, 3/8" with 5/8" stock diameter, 1/2" with 5/8" stock diameter.		2	0
E	270	Wood	Putty Knife, 1 1/4" - Flexible high carbon 1 1/4" steel blade, tempered and ground; blade in one piece extending through end of handle; shatter-proof plastic handle with large hole to hang tool		12	4
E	271	Structures	PVC Cutter- Ratchet action		2	1

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E	272	Wood	Router- All ball and roller bearing constructed, minimum of 1 1/2 H.P., adjustment ring or lever for setting cutter heights, includes router, motor, min. of 1/4" collect and wrenches for adjustments		2	1
E	273	Wood	Router Bits- Straight pattern, double flute, high speed steel, 1/4" shank; set to consist of four bits, one each of the following sizes: 1/8", 1/4", 3/8" and 1/2"		1	1
E	274	Wood	Ruler, Extension Type, Folding, having a sliding part equal in length to one section so as to permit exact measurement of internal dimensions.		12	4
E	275	General	Safety Glasses- 1 per each student, safety glasses which meet ASAE standards		30	30
E	276	General	Safety Hat- Plastic with rigid rolled-edge brim, vertically ribbed for extra strength, leatherette sweatband.		28	0
E	277	General	Safety Jack Stand, 5 Ton- Ratchet type, to support 5 tons from 14 5/8" to 24 7/8" in height, pressed steel construction, rack bar for positive contact, carrying handle		8	4
E	278	Wood	Sander, Orbital Finishing- Direct motor-to-pad design, orbital sanding action, dependable abrasive clamp, cord strain-relief protection, universal 120 volt motor, pad size 4 1/2" x 9 3/8", pad speed 10,000 OMP, complete with 3-conductor cord and plug		8	4
E	279	Wood	Sander, Portable Belt-, universal type 120 volt motor, chain/worm gear drive, trigger switch, strain-relief protection, aluminum alloy housing, belt tensioning device, positive control, on load speed 1600 SFPM, ball and needle bearings, complete with 3-conductor cord and plug		4	2
E	280	Wood	Saw Horse Brackets- For use with standard 2" X 4" lumber, tool steel zinc coated, holes for screws and bolts, 1 tone capacity		12	0
E	281	Wood	Saw, Band, Wood Cutting, - Floor model, precision machined and dynamically balanced upper and lower wheels with crowned rubber tires, cast iron table with groove for miter gauge and guard rails for rip fence, table to tilt 45 degrees to right and 10 degrees (min) to left with positive stop at 90 degrees.		2	1 For woods programs
E	282	Engines	Saw, Chain, Direct Drive - Light duty, diaphragm carburetor, automatic rewind starter, spark arresting muffler, automatic oiling complete with boot or scabbard.		1	0
E	283	Metals	Saw, Cold - Metal cutting circular saw operates at 22 and 44 rpm with 12 1/2" carbide heat tempered blade, capacity of 5 1/2" x 3 1/2" rectangular metal, 90 degree and 45 degree cutting angle, w/machine base and cooling oil tank and pump, w/dual joined vise		1	0
E	284	Wood	Saw, Compound Miter- 2 H.P., 120 volt, 10" blade, precision table to cut 90 degree, 45 degree and 22 1/2 degree miters, left or right, with blade brake, including 12" carbide tooth finishing blade		2	1
E	285	General	Saw, Electric Sabre - Heavy duty, variable-speed from 0 to 3000 strokes per min., length of stroke 5/8", capacity in wood 2 1/2" and in mild steel 1/4", trigger switch with speed control button, air flow for visible cutting, tilting shoe for cutting up to 45 degrees, rated 2.5 amps., complete with cord and plug		8	4
E	286	Metals	Saw, Horizontal Metal Band- Type: Cut off, wet and dry metal cutting, hydraulic control, 3 point suspension. Capacity: 10" round, 18" flat, variable speeds. Accessories to be furnished: 1 ea. Stock stand equipped with rollers and adjustable for height, 6 ea. blades 3/4"		1	1
E	287	Wood	Saw, Key Hole - Hardened and tempered steel blade 10" long, 10 points per inch, wing nut and bolt locking device, wood handle		2	1
E	288	Metals	Saw, Metal Cutting Circular, 7 -1/4",		1	0
E	289	Wood	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.		8	4
E	290	Wood	Saw, Radial Arm- Heavy duty wood saw with 12" to 16" cutting capabilities, minimum cutting length 32". Push button magnetic starting located on the end of arm. Heavy duty steel base with legs and wooden top. Adjustable arm angle and head angle. Retractable shield to protect user.		1	1 For woods programs
E	291	Wood	Saw, Rip Hand , 5 1/2 Pt.- Hardened and tempered steel blade, taper ground, wood handle, 5 1/2 points per inch, 26" blade		8	4

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E	292	Wood	Saw, Scroll - with standard equipment for variable, or set speeds, 1/3 hp, 115 volt motor and manual switch		1	0
E	293	Wood	Saw, Shank Reciprocating Sawzall- Heavy duty ball and roller bearing construction, 1" stroke, cuts any cuttable material, includes wrenches, holder, carrying case and assorted blades for cutting wood and metal		4	2
E	294	Wood	Saw, Table - Tilting arbor, 10"-12" blade, with bessemer fence, guard and rail system. Meter guage, guide rails, blade guard, splitter with anti-kickback pawls.		1	1
E	295	General	Screwdriver - Assorted set (flat/phillips)		8	4
E	296	General	Screwdriver Bits, Square Shank- For slotted screws and with square shanks for use with hand brace, each set to consist of 1 ea.: 1/4"., 5/16" and 3/8" wide tips		8	0
E	297	Electricity	Screwdriver, # 2 Phillips		30	15
E	298	Electricity	Screwdriver, 3/16" Cabinet tip		30	15
E	299	Engines	Screwdriver, Carburetor Jet, Large Jets		30	15
E	300	Engines	Screwdriver, Carburetor Jet, Small Jets		30	15
E	301	General	Screwdriver, Industrial Cordless - Quality, reversible, variable speed, with rechargeable kit		8	4
E	302	General	Screwdrivers, Torx - Assorted set, T8 - T30 sizes		8	4
E	303	General	Service Floor Jack, 5 Ton- Hydraulic operated, heavy metal construction, with 5 ton minimum capacity		1	1
E	304	Metals	Shear- Metal cutting bar, with lever, 1/4" X 4 1/2" capacity		1	1
E	305	Metals	Shear, Metal Cutting- Bevel pattern, 3/16" mild steel capacity, alloy steel rack and pinion, removable handle, alloy steel body, high grade blades adjustable for wear and quickly interchangeable, alloy steel pivot point, steel base drilled for mounting on bench		1	1
E	306	Metals	Shears, Straight Pattern Sheet Metal- Straight pattern, 3" cut, 13" overall length, crucible steel blades, precision ground and tempered		6	1
E	307	General	Shop Vacuum Cleaner- Industrial type		1	1
E	308	General	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	309	General	Shovel, Square Point, 12"- 47", "D" fiberglass handle with rivets.		8	4
E	310	Metals	Simulator- Welding, computer controlled, simulates MIG, TIG and ARC welding conditions. Complete unit for English language, other languages available		0	0
E	311	Wood	Sliding T Bevel, 8"- Blade 8" long, iron handle, blade hardened and tempered, locking device located in end of handle		8	4
E	312	Engines	Socket Set, Metric - 1/2" drive - to include ratchet, extension, and sockets up to a minimum of 21mm		4	2
E	313	Engines	Socket Set, Metric - 3/8" drive - to include ratchet, extension, and sockets up to a minimum of 19mm		8	4
E	314	Engines	Socket Set, Metric- 1/4" drive - to include ratchet, extension, and sockets up to a minimum of 15mm		30	15
E	315	Engines	Socket Set, SAE - 1/2" drive - to include ratchet, extension, and sockets up to a minimum of 1 1/16"		4	2
E	316	Engines	Socket Set, SAE - 3/8" drive - to include ratchet, extension, and sockets up to a minimum of 7/8"		8	4
E	317	Engines	Socket Set, SAE 1/4" drive - to include ratchet, extension, and sockets up to a minimum of 1/2"		30	15
E	318	Engines	Socket sets, deepwell metric and standard		8	4
E	319	General	Socket Sets, Impact 1/2" drive, standard and metric		1	1
E	320	Electricity	Soldering Gun- Heavy duty construction, 260/200 watts, pistol grip design, lighted, high efficiency copper tips		1	1
E	321	Engines	Solvent Can, 5 Gallon- Made from material that will not be attacked by solvents, safety type equipped with non-flash-back flame arrestor, 5 gal. capacity.		1	1
E	322	Engines	Spark Plug Socket Set- One each 3/4", 5/8" and 13/16", 3/8" drive, chrome plated		8	4
E	323	Metals	Spats, Welding - Durable high quality leather constructed		1	0
E	324	Engines	Spreader, Piston Ring - to install piston rings from 3/64" to 1/4" thick, ring opening in jaws of tool and closing handles to expand ring		30	15

Ag Mechanics Equipment List					
Equipment / Consumable	Item Number	Technical Area	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>	Recommended	Industry Certification*
E	325	General	Staple Gun- Electric or manual, safety on/off trigger lock, impact resistant heavy duty plastic/metal construction, uses staples 1/4" to 9/16" long	1	1
E	326	Wood	Stapler, Pneumatic - Contact trip safety, drives 16 gauge, 1/2" crown staples, requires 70-80 psi, 100 plus staple capacity	1	1 For woods programs
E	327	General	Stopwatch- Water and impact resistant. Displays hours down to 1/100 seconds. Lanyard and battery included. Digital display.	1	0
E	328	Structures	Stud Finder, Magnetic- Designed to point to nails in order to locate studs behind wallboard, plaster or paneling	1	0