WELDING TECHNOLOGY PROGRAM

1. Please find attached the KY TECH required Welding equipment list.
2. Contacts for The Lincoln Electric Co.
3. Link to KY TECH site-Equipment List
4. Program Start Up Costs.*

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- The Lincoln Electric Company Representative
  Robert Smith
  District Manager
  Work 513-554-4440
  Mobile 937-470-4747
  Robert_A_Smith@LincolnElectric.com

- Welding Technology Equipment List:

http://www.kytechcurriculum.org/reports.asp?version=0&report=9&type=h&filter=54

** Price updates are being requested as of 03-12.

‹›‹›‹› KENTUCKY TECH ‹›‹›‹›

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Manufacturing Technology
Education and Workforce Development Cabinet
Office of Career and Technical Education
2032 Capital Plaza Tower
500 Mero Street
Frankfort,Ky. 40601
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	Welding Tool Lists				
Qu.	Tool Name	Specifications	Each	Total	Vender
1	Abrasive Cut-Off Saw	12" Kalamazoo 110/220V 5HP	$ 2,100.00	$ 2,100.00	Scott-Gross or Air Gas
2	Abrasive Cut-Off Wheel	12"	$ 13.50	$ 27.00	Scott-Gross or Air Gas
	AC/DC Current - CC 300 Amp			$ -	
1	AC/DC Current Minimum Rating Constant CC 300 amp		$ 2,500.00	$ 2,500.00	Scott-Gross or Air Gas
	AC/DC Power Source			$ -	
4	Adjustable Wrench (12")	6", 8", 10", 12"		$ 45.00	Scott-Gross or Air Gas
	A-Frame Crane			$ -	
	Air Carbon Arc - 2/0 Cable Lugs and Connectors			$ -	
	Air Carbon Arc - 25' 2/0 Workpiece Cable			$ -	
	Air Carbon Arc - Ground Clamps			$ -	
	Air Carbon Arc Cutter Ground Clamp			$ -	
	Air Carbon Arc Cutter			$ -	
	Air Carbon Arc Welder 2/0 Cable Lugs & Connectors			$ -	
	Air Carbon Arc Welder 25' 2/0 Electrode Cable			$ -	
1	Allen or Hex Wrench Set	18 piece set	$ 30.95	$ 30.95	Scott-Gross or Air Gas
	Aluminum Electrodes			$ -	
	Aluminum Sheet (10-18 Gauge)			$ -	
1	Anvil (150-lb)		$ 110.00	$ 110.00	Scott-Gross or Air Gas
1	Band Saw Powermatic	115 Volt	$ 999.99	$ 999.99	Tool Crib
1	Bandsaw Portable	Milwaukee LC085446	$ 350.00	$ 350.00	Scott-Gross or Air Gas
1	Bandsaw-10 X 16 Horizontal Miter Cut Off	220/440V 3 pahse 2 HP	$ 5,500.00	$ 5,500.00	Scott-Gross or Air Gas
	Base Metal			$ -	

2	Bench Vice	Columbian D6	$ 133.00	$ 266.00	Scott-Gross or Air Gas
	Brake - Sheet Metal			$ -	
5	Burning Goggles or Face Shield (#5 Filter Plate/Lens)	Sellstrom 39150	$ 24.60	$ 123.00	Scott-Gross or Air Gas
5	Burning Goggles or Face Shield (Clear Cover Plate/Lens)	Sellstrom 39140	$ 17.20	$ 86.00	Scott-Gross or Air Gas
	CAC-A Electrodes 1/4"			$ -	
	CAC-A Electrodes 1/8"			$ -	
	CAC-A Electrodes 3/8"			$ -	
	CAC-A Electrodes 5/32"			$ -	
	Cage Cylinder Storage			$ -	
20	Calculator		$ 4.00	$ 80.00	Wl-mart
10	Cape		$ 37.75	$ 377.50	Scott-Gross or Air Gas
	Carbide Burn Sets			$ -	
	Carbon Steel Plate (3/8" Plain)			$ -	
	Carbon Steel Wire Brush			$ -	
	Cast Iron Electrodes			$ -	
20	C-Clamps 8"		$ 17.50	$ 350.00	Scott-Gross or Air Gas
5	Center Punch		$ 6.00	$ 30.00	Scott-Gross or Air Gas
	Chemical Shower			$ -	
10	Clamps (C-Clamps 8") Sheilded Welders	Jorgensen 128-S	$ 57.90	$ 579.00	Scott-Gross or Air Gas
	Clamps 10"			$ -	
26	Classroom Chairs (Global Tubular Armless Stacking Chair, Blue		$ 37.99	$ 987.74	Office Depot
14	Classroom Tables Correll Budget Folding Tables, 29"H x 60"W x 18"D, Walnut		$ 42.98	$ 601.72	Office Depot
1	Cold Chisel	set 26 pcs	$ 129.95	$ 129.95	Scott-Gross or Air Gas
5	Combination Square Set		$ 7.45	$ 37.25	Scott-Gross or Air Gas
	Compressed Air Supply - 1/2" Air Regulator			$ -	
	Compressed Air Supply - M/F Quick Couples Adaptors			$ -	

	Compressed Air Supply 1/2" Regulator			$ -	
	Compressed Air Supply and Accessories to Accommodate Pneumatic Tools or Air Carbon ARC			$ -	
	Compressed Air Supply and Accessories			$ -	
	Compressed Air Supply M/F Quick Couples and Adaptors			$ -	
	Computer - Complete			$ -	
3	Computer (Student Station)	110 Volt	$ 800.00	$ 2,400.00	Dell Level 4 2.8GHz,512mb, 80 HD,DVD/CD player
1	Computer (Teacher station)	110 Volt	$ 1,347.00	$ 1,347.00	Dell Level 4 3.6GHz,I GIG, 160 HD, TV Video card, DVD Burner
1	Computer Monitor	110 Volt	$ 299.00	$ 299.43	Dell 19" E193EP
3	Computer Monitor	110 Volt	$ 199.00	$ 597.00	Del 15" E153EP
1	Computer Printer		$ 125.00	$ 125.00	
2	Die Grinders	803E402130084	$ 218.50	$ 437.00	Scott-Gross or Air Gas
2	Drill Magnum		$ 105.00	$ 210.00	
1	Drill Press	115 Volt	$ 499.00	$ 499.00	Tool Crib Delta 16 1/2
1	Dryrod Oven		$ 315.00	$ 315.00	Scott-Gross or Air Gas
	Ear Plugs/Noise Protection			$ -	
1	Electrode Oven	K-70	$ 750.00	$ 750.00	Keen's
2	End Grinder	Miluawkee 584D01490058	$ 338.25	$ 676.50	Scott-Gross or Air Gas
15	English/Metric Steel Bench Rule 12"		$ 22.45	$ 336.75	BG
	FCAW Filler Metal and Shielding Dual Shielded Wire E71M			$ -	
2	File Cabinets		$ 139.00	$ 278.00	Scott-Gross or Air Gas
4	File Card and Brush		$ 14.95	$ 59.80	Scott-Gross or Air Gas
20	Files (10") Asst. Metalworking		$ 8.25	$ 165.00	Scott-Gross or Air Gas
2	Fillet Gage		$ 25.00	$ 50.00	Hobart
	Fire Extinguisher			$ -	

1	First Aid Kit		$ 106.43	$ 106.43	Scott-Gross or Air Gas
	Flashlight			$ -	
1	Flints and Tip Cleaner		$2.50	$ 2.50	
1	Flux Cored Arc - 25' 2/0 Workpiece Cable		$ 1.50	$ 1.50	
	Flux Cored Arc - Consumable Parts Kit			$ -	
1	Flux Cored Arc - CV or CP 300 Amp @ 100% Duty Cycle		$ 3,500.00	$ 3,500.00	
1	Flux Cored Arc - Flow Meters		$ 35.00	$ 35.00	
1	Flux Cored Arc - Gas Shielded Gun		$ 302.00	$ 302.00	
1	Flux Cored Arc - Ground Clamp		$ 15.00	$ 15.00	
1	Flux Cored Arc - Parts Repair/Replacement Kit			$ -	
1	Flux Cored Arc - Self Shielded Gun		$ 365.00	$ 365.00	
1	Flux Cored Arc - Wire Feeder		$ 890.00	$ 890.00	
1	Gage Plain Carbon Steel Sheet			$ -	
1	Gas Metal Arc - 2/0 Cable Lugs and Connects		$ 1.25	$ 1.25	
1	Gas Metal Arc - 25' 2/0 Workpiece Cable		$ 1.50	$ 1.50	
1	Gas Metal Arc - Consumable Parts Kit			$ -	
1	Gas Metal Arc - Flow Meters		$ 30.00	$ 30.00	
1	Gas Metal Arc - Ground Clamp		$ 10.00	$ 10.00	
1	Gas Metal Arc - Gun 15' Amp and Cooling		$ 302.00	$ 302.00	
	Gas Metal Arc - Parts Repair/Replacement Kit			$ -	
1	Gas Metal Arc - Power Supply		$ 2,500.00	$ 2,500.00	
1	Gas Metal Arc - Wire Feeder		$ 899.00	$ 899.00	
1	Gas Metal Arc 25' 2/0 Workpiece Cable		$ 1.50	$ 1.50	
	Gas Metal Arc Consumable Parts Kit (.030-.045)			$ -	
1	Gas Metal Arc Flow Meter (CO2 Mixtures)		$ 30.00	$ 30.00	
	Gas Metal Arc Ground Clamp			$ -	
	Gas Metal Arc Gun 15 amp and Cooling			$ -	
	Gas Metal Arc Spary & Short Circuit			$ -	
	Gas Metal Arc Welder			$ -	
	Gas Metal Arc Wire Feeder			$ -	

	Gas Tungsten - Flow Meter(s)			$ -	
	Gas Tungsten - Water Circulation and Control			$ -	
	Gas Tungsten Arc - AC/DC CC 300-Amp			$ 2,000.00	
	Gas Tungsten Arc - Accessory Kit				
	Gas Tungsten Arc - Flow Meter			$ 30.00	
	Gas Tungsten Arc - Gas Purge Control				
	Gas Tungsten Arc - High Frequency Control			$ 850.00	
	Gas Tungsten Arc - Part Repair/Replacement Kit				
	Gas Tungsten Arc - Torch (25', Amps and Cooling)				
	Gas Tungsten Arc - Water Circulation			$ 500.00	
	Gas Tungsten Arc Accessory Kit				
	Gas Tungsten Arc-Flow Meter(s)			$ 30.00	
	Gas Tungsten Arc-Gas Purge Control			$ -	
	Gas Tungsten Arc-High Frequency Control			$ -	
	Gas Tungsten Arc-Part Repair/Replacement Kit			$ -	
	Gas Tungsten Arc-Torch (25', Amps and Cooling)			$ -	
	Gas Tungsten Arc-Water Circulation and Control			$ -	
	GMAW Argon and CO2			$ -	
	GMAW Filler Metal & Shielding 14# Spool .035 E70-SX			$ -	
	GMAW Filler Metal and Shielding 14# Spool .030 ER70S-X			$ -	
	GMAW Filler Metal and Shielding 14# Spool .035 ER70S-X			$ -	
	GMAW Filler Metal and Shielding 14# Spool .045 ER70S-X			$ -	
	GMAW Filler Metal and Shielding Anti-Splatter Spray or Gel			$ -	
1	Grinder (Pedestal, 12" or 14")	8" 3HP	$ 1,398.00	$ 1,398.00	Scott-Gross or Air Gas
4	Grinder (Right Angle)	Porter Cable	$ 165.00	$ 660.00	Scott-Gross or Air Gas
2	Grinders and Accessories (8"-12")	Baldor 115V 1/2 HP	$ 350.00	$ 700.00	Scott-Gross or Air Gas

1	Grinding Wheels (General Purpose/Aluminum)	Dressing Tool	$ 13.50	$ 13.50	Scott-Gross or Air Gas
	Groove or Slip Joint Pliers 10"			$ -	
	GTAW 100% Argon			$ -	
1	GTAW 10-Pc Each 1/16" EWTH-2		$ 18.00	$ 18.00	Scott-Gross or Air Gas
1	GTAW 10-Pc Each 1/16" EWZ		$ 22.00	$ 22.00	Scott-Gross or Air Gas
1	GTAW 10-Pc Each 1/8" EWCE-2		$ 24.00	$ 24.00	Scott-Gross or Air Gas
1	GTAW 10-Pc Each 1/8" EWP		$ 18.00	$ 18.00	Scott-Gross or Air Gas
1	GTAW 10-Pc Each 1/8" EWTH-2		$ 18.00	$ 18.00	Scott-Gross or Air Gas
1	GTAW 10-Pc Each 1/8" EWZ		$ 22.00	$ 22.00	Scott-Gross or Air Gas
1	GTAW 10-Pc Each 3/32" EWCE-2		$ 24.00	$ 24.00	Scott-Gross or Air Gas
1	GTAW 10-Pc Each 3/32" EWP		$ 18.00	$ 18.00	Scott-Gross or Air Gas
1	GTAW 10-Pc Each 3/32" EWTH-2		$ 18.00	$ 18.00	Scott-Gross or Air Gas
1	GTAW 10-Pc Each 3/32" EWZR		$ 22.00	$ 22.00	Scott-Gross or Air Gas
1	GTAW 10-Piece Each 1/16" EWCE-2		$ 24.00	$ 24.00	Scott-Gross or Air Gas
1	GTAW 10-Piece Each 1/16" EWP		$ 18.00	$ 18.00	Scott-Gross or Air Gas
1	GTAW 10-Piece Each 1/16" EWTH-2		$ 18.00	$ 18.00	Scott-Gross or Air Gas
1	GTAW 10-Piece Each 1/16" EWZ		$ 22.00	$ 22.00	Scott-Gross or Air Gas
1	GTAW 10-Piece Each 1/8" EWCE-2		$ 24.00	$ 24.00	Scott-Gross or Air Gas
1	GTAW 10-Piece Each 1/8" EWP		$ 18.00	$ 18.00	Scott-Gross or Air Gas
1	GTAW 10-Piece Each 1/8" EWTH-2		$ 18.00	$ 18.00	Scott-Gross or Air Gas
1	GTAW 10-Piece Each 1/8" EWZ		$ 22.00	$ 22.00	Scott-Gross or Air Gas
1	GTAW 10-Piece Each 3/32" EWCE-2		$ 24.00	$ 24.00	Scott-Gross or Air Gas
1	GTAW 10-Piece Each 3/32" EWP		$ 18.00	$ 18.00	Scott-Gross or Air Gas
	GTAW 10-Piece Each 3/32" EWTH-2			$ -	
	GTAW 10-Piece Each 3/32" EWZR			$ -	
	GTAW 40# 1/16 ER 3XX (Stainless Rod)			$ -	
	GTAW 40# 1/16" ER 3XX (Stainless Steel Rod)			$ -	
	GTAW 40# 1/16" ER 70-52			$ -	
	GTAW 40# 1/16" ER4043 (Aluminum Rod)			$ -	
	GTAW 40# 3/32" 3XX (Stainless Steel Rod)			$ -	
	GTAW 40# 3/32" ER 3XX (Stainless Rod)			$ -	

	GTAW 40# 3/32" ER 4043 (Aluminum Rod)			$ -	
	GTAW 40# 3/32" ER 70-52 (Carbon Steel Rod)			$ -	
	GTAW 40# ER 70-52 (Carbon Steel Rod)			$ -	
	GTAW 40#1/16" ER 4043 (Aluminum Rod)			$ -	
	GTAW Electrodes Filler Metal and Shielding Gas			$ -	
1	Guided Bend Test Jig or Machine	$ 606,220,510.00	$ 2,850.00	$ 2,850.00	Scott-Gross or Air Gas
5	Hammer (Ball Peen - 16 oz.)		$ 20.15	$ 100.75	Scott-Gross or Air Gas
15	Hammer (Chipping)	Marquette M25-710	$ 10.40	$ 156.00	Scott-Gross or Air Gas
1	Instructor's Chair		$ 99.99	$ 99.99	Office Depot
1	Ironworker (Min 50 Ton)	GEKA 16477	$ 16,500.00	$ 16,500.00	
2	Layout or Workbench Steel Topped	MB-32-S	$ 695.00	$ 1,390.00	BG
1	LCD Projector		$ 900.00	$ 900.00	
20	Leather Gloves	Elliott 303	$ 4.75	$ 95.00	Scott-Gross or Air Gas
20	Leather Jacket	Elliott RR23-XL	$ 53.20	$ 1,064.00	Scott-Gross or Air Gas
2	Light/Medium Duty Torch		$ 350.00	$ 700.00	Scott-Gross or Air Gas
1	Machine Oxyfuel Gas - 00-2/0 Cutting Tips		$ 12.00	$ 12.00	
1	Machine Oxyfuel Gas - 25' Oxy Fuel Gas Hose		$ 35.00	$ 35.00	
1	Machine Oxyfuel Gas - Cutting Torch Assembly		$ 800.00	$ 800.00	
1	Machine Oxyfuel Gas - Drive Unit		$ 2,200.00	$ 2,200.00	
1	Machine Oxyfuel Gas - Friction Lighter, Flints and Tip Cleaner		$ 2.50	$ 2.50	
1	Machine Oxyfuel Gas - Fuel Gas Regulator		$ 25.00	$ 25.00	
1	Machine Oxyfuel Gas - Fuel Gas Supply			$ -	
1	Machine Oxyfuel Gas - Oxyfuel Gas Supply		$ 25.00	$ 25.00	
	Machine Oxyfuel Gas - Oxygen Supply			$ -	
	Machine Oxyfuel Gas - Parts Replacement/Repair Kit			$ -	
	Machine Oxyfuel Gas - Tank Wrench			$ -	
1	Machine Oxyfuel Gas Cutting Torch - 25' Oxyfuel Gas Hose		$ 3,000.00	$ 3,000.00	

	Machine Oxyfuel Gas Cutting Torch - Consumable Parts Kit			$ -	
	Machine Oxyfuel Gas Cutting Torch - Drive Unit (Track Burner)			$ -	
1	Machine Oxyfuel Gas Cutting Torch - Friction Lighter, Flints and Tip Cleaner		$ 2.50	$ 2.50	
	Machine Oxyfuel Gas Cutting Torch - Oxygen Regulator			$ -	
1	Machine Oxyfuel Gas Cutting Torch		$ 3,000.00	$ 3,000.00	
	Machine Oxyfuel Gas Tank Wrench			$ -	
	Manual Oxyfuel Gas - Cutting Torch Consumable Parts Kit			$ -	
	Manual Oxyfuel Gas - Cutting Torch Cylinder Cart			$ -	
	Manual Oxyfuel Gas - Cutting Torch Oxygen Regulator			$ -	
	Manual Oxyfuel Gas - Cutting Torch Part Repair/Replacement Kit			$ -	
	Manual Oxyfuel Gas - Cutting Torch			$ -	
	Manual Oxyfuel Gas Cutting Torch - 00-3/0 Cutting Tips			$ -	
	Manual Oxyfuel Gas Cutting Torch - 2/0 Gouging Tips			$ -	
	Manual Oxyfuel Gas Cutting Torch - 25' Oxyfuel Gas Hose			$ -	
	Manual Oxyfuel Gas Cutting Torch - Accessories			$ -	
	Manual Oxyfuel Gas Cutting Torch - Consumable Parts Kit			$ -	
	Manual Oxyfuel Gas Cutting Torch - Cylinder Cart			$ -	
	Manual Oxyfuel Gas Cutting Torch - Friction Lighter, Flint and Tip Cleaner			$ -	
	Manual Oxyfuel Gas Cutting Torch - Heating Tip			$ -	

	Manual Oxyfuel Gas Cutting Torch - Oxygen Regulator			$ -	
	Manual Oxyfuel Gas Cutting Torch - Oxygen Regulator			$ -	
	Manual Oxyfuel Gas Cutting Torch - Parts Repair/Replacement Kit			$ -	
	Manual Oxyfuel Gas Cutting Torch - Tank Wrench			$ -	
	Manual Oxyfuel Gas Cutting Torch (Manual or Combination Assembly)			$ -	
1	Manual Oxyfuel Gas Cutting Torch- 00-3/0 Cutting Tips		$ 12.00	$ 12.00	Airgas/ Scott-gross
1	Manual Oxyfuel Gas Cutting Torch Accessories		$ 300.00	$ 300.00	
1	Manual Oxyfuel Gas Cutting Torch Heating Tip		$ 25.00	$ 25.00	Airgas/ Scott-gross
	Manual Oxyfuel Gas Cutting Torch Tank Wrench			$ -	
1	Manual Oxyfuel Gas Cutting Torch with		$ 300.00	$ 300.00	Airgas/ Scott-gross
	Manual Oxyfuel Gas Cutting Torch			$ -	
	Materials 10-18 Gauge Aluminum Sheet			$ -	
	Materials 10-18 Gauge Plain Carbon Steel Sheet			$ -	
	Materials 10-18 Gauge Stainless Steel			$ -	
	Mechanical Drafting Equipment			$ -	
	Metal Moving Equipment (Forklift or Pallet Jack)			$ -	
2	Metal Scribe		$ 22.35	$ 44.70	
1	Mig Welding Power Source		$ 1,800.00	$ 1,800.00	Airgas/ Scott-gross
1	Multi-Process Welder (300 Amp, Gas or Diesel, Portable)		$ 4,200.00	$ 4,200.00	Airgas/ Scott-gross
	Multi-Purpose Welder - Gas or Diesel, Portable			$ -	
	Multi-Purpose Welder			$ -	
2	Needle Nose Pliers 6"		$ 19.95	$ 39.90	Scott-Gross or Air Gas
1	Nibbler	Milwaukee 184A402080029	$ 480.75	$ 480.75	Scott-Gross or Air Gas

	Overhead Monorail 2-Ton Lift			$ -	
	Oxyfuel Burning Table with Dross Pan and Replacable Slats			$ -	
	Oxyfuel Burning Table with Dross Pan and Replacement Slats			$ -	
	Oxyfuel Friction Lighter			$ -	
	Oxygen Cutting Gas			$ -	
	Oxygen Gas Cutting			$ -	
	Pedestal Grinder 12" or 14"			$ -	
	Pipe Beveling Machine - Flame Cutting			$ -	
1	Pipe Beveling Machine - Flame Cutting	H & M 79474C8	$ 2,200.00	$ 2,200.00	Scott-Gross or Air Gas
3	Pipe Wrenches 10", 18", 24"		$ 29.00	$ 87.00	Lowes
	Plain Carbon Plate Sheet 3/8"			$ -	
	Plain Carbon Steel Plate (3/8")			$ -	
	Plain Carbon Steel Sheet (10-18 Gage)			$ -	
	Plasma Arc - Air Regulator			$ -	
	Plasma Arc - Consumable Parts Kit			$ -	
	Plasma Arc - DC CC 300 Amp @ 60% Duty Cycle			$ -	
	Plasma Arc - Min Rating DC CC 300 amp @ 60% Duty Cycle			$ -	
	Plasma Arc - Parts Repair/Replacement Kit			$ -	
	Plasma Arc - Torch (25', Low Volt, Air Primary and Sec)			$ -	
1	Plasma Arc Cutter -	DC CC 300-Amp @ 60	$ 2,400.00	$ 2,400.00	Scott-Gross or Air Gas
	Plasma Arc Torch (25', Low Volt, Air)			$ -	
	Pliers (10" Groove or Slip Joint)			$ -	
	Pliers (6" Needle Nose)			$ -	
	Pliers (6" Side or Diagonal Cutting)			$ -	
4	Pliers (Combination 6" - 10") (Channellock)		$ 6.24	$ 24.96	Tool Crib
	Pliers, Wrenches, Clamps, Tank Wrench			$ -	

	Protective Screens			$ -	
	Rule (English/Metric Steel Bench - 12")			$ -	
10	Rule (Steel - 25')		$ 20.00	$ 200.00	Lowes
	Safety Glasses			$ -	
	Saw (Abrasive Cut-Off)			$ -	
	Saw (Band Saw)			$ -	
	Saw (Horizontal Band Saw)			$ -	
	Screwdrivers (Phillips & Flat)			$ -	
	Shear (1/4" Capacity)			$ -	
	Shear			$ -	
	Shielded Metal Arc - 25' 2/0 Workpiece Table			$ -	
	Shielded Metal Arc - Electrode Holder			$ -	
	Shielded Metal Arc - Ground Clamp			$ -	
	Shielded Metal Arc 2/0 Cable Lugs and Connectors			$ -	
	Shielded Metal Arc Welder			$ -	
20	Shop Stools 18"		$ 38.30	$ 766.00	Lowes
1	Shop Vac		$ 110.00	$ 110.00	Lowes
	Side or Diagonal Cutting Pliers 6"			$ -	
	Sleeves or Apron			$ -	
	SMAW Filler Metal - 1/8" E 308 - 5/16			$ -	
	SMAW Filler Metal - 1/8" E 309 - 5/16			$ -	
	SMAW Filler Metal - 1/8" Ni-Rods			$ -	
	SMAW Filler Metal - 1/8" Non-Machinable Cast Electrode			$ -	
1	SMAW Filler Metal - 100# 1/8" E 6010		$ 1.15	$ 1.15	
1	SMAW Filler Metal - 100# 1/8" E 6011		$ 1.15	$ 1.15	
1	SMAW Filler Metal - 100# 1/8" E 7018		$ 1.08	$ 1.08	
1	SMAW Filler Metal - 100# 3/32" E 7018		$ 1.08	$ 1.08	
1	SMAW Filler Metal - 100# 5/32" 6011		$ 1.15	$ 1.15	
1	SMAW Filler Metal 100# 5/32" E 6010		$ 1.15	$ 1.15	
1	SMAW Filler Metal 100# 5/32" E7018		$ 1.08	$ 1.08	

1	Snips Set(Aviation, Tin, Metal)		$ 29.99	$ 29.99	Lowes
	Soap Stone			$ -	
1	Socket Set (Metric & Standard) Mfr. model #35137		$ 99.99	$ 99.99	Sears Craftsman
	Spectacles with Side Shields			$ -	
	Stainless Steel Electrodes			$ -	
	Stainless Steel Sheet (10-18)			$ -	
	Stainless Steel Wire Brush			$ -	
	Steel Dividers (6" Minimum)			$ -	
	Steel Tape Measure (10')			$ -	
	Storage Boxes/Cabinets for Metals and Supplies			$ -	
2	Storage cabinets		$ 209.00	$ 418.00	Office Depot
6	Storage Shelves 172536 VT406		$ 88.90	$ 533.40	Midwest
	Tank Wrench			$ -	
10	Tape Measure (Steel - Min 10')		$ 20.00	$ 200.00	Lowes
1	Teacher's Desk		$ 459.00	$ 459.00	Office Depot
	Tensile Testing Machine with Guided Bend Tester			$ -	
	Tensile Testing Machine			$ -	
1	Track Torch	Victor CM0015873	$ 2,200.00	$ 2,200.00	
1	TV (Color with A/V Pick Up) 32"	110 Volt	$ 699.00	$ 699.00	Best Buy
1	VCR/DVD Player	110 Volt	$ 179.00	$ 179.00	Best Buy
	Ventilation Equipment			$ -	
	Vertical Milling Machine			$ -	
10	Vice Grip Clamps 10"	Vise Grip 11SP	$ 19.70	$ 197.00	
	Vice Grips (10")			$ -	
2	Vice Grips Set (Irwin)		$ 29.99	$ 59.98	Tool Crib
6	Welders	Model 350 K2403-1 or better 208/230/460 VAC 1 or 3 Phase	$ 3,500.00	$ 21,000.00	
	Welders Hat or Skull Cap			$ -	

6	Welders -TIG	Model 185 K2347-2 or better 208/230/460 VAC 1 or 3 Phase	$ 2,300.00	$ 13,800.00	
	Welding Booth 6'x6' with Ventilation			$ -	
12	Welding Booths	48" X 48"	$ 1,000.00	$ 12,000.00	
2	Welding Cutting Downdraft table		$ 2,900.00	$ 5,800.00	
20	Welding Helmet	Sellstrom 29911-10	$ 30.60	$ 612.00	
	Welding Lenses #10 Shaded			$ -	
	Welding Lenses #11 Shaded Filter			$ -	
	Welding Lenses (Clear Cover Plate/Lens)			$ -	
	Welding Lenses to match helmet design			$ -	
	Welding Power Source			$ -	
	Welding Stations			$ -	
	Welding Table with Weld Positioner			$ -	
	Wire Brush (Carbon and Stainless)			$ -	
15	Wire Brushes		$ 3.00	$ 45.00	
2	Workbench (Wood Steel Combination) Midwest 562326 mfg. WCC-2		$ 1,287.00	$ 2,574.00	Midwest
	Wrench (12" Adjustable)			$ -	
	Wrench Set (Allen or Hex)			$ -	
	Wrenches (Adjustable)			$ -	
	Wrenches (Allen or Hex to 3/8")			$ -	
2	Work Benches	24" X 72 w/steel top	$ 705.00	$ 1,410.00	
				$ -	
				$ -	
			Total	$ 147,713.01	
			Budget	$ 133,000.00	
				$ (14,713.01)	

Welding

BA 120 **Personal Finance**

Supplies (Consumables)

Quantity	Item	Source
1 per student	Diskettes	
	Dry Erase Markers	
	File Folders/Labels	
20	Newspapers	
20	Rulers	

Supplies (Nonconsumables)

Quantity	Item	Source
	Dry Erase Board	

Hand Tools/Sets (Individual Items Under $100)

Quantity	Item	Source
20	Calculators (Hand held, Electronic)	

Small Equipment/Trainers (Individual Items $100-$999)

Quantity	Item	Source
	Binder Machine	
	Camcorder	
	CD Burner/Writer	
20	Chairs	
	Color Printer	

	Digital Camera	
	Paper Cutter	
	Paper Shredder	
20	Student Desks	
1	White Board	

Large Equipment/Trainers (Individual Items $1000+)

Quantity	Item	Source
20	Computer Workstations	
1	Interactive Projector	
1	Smart Board	

Welding

BRX 120 **Basic Blueprint Reading**

Supplies (Consumables)

Quantity	Item	Source
4	Calipers (Dial)	
	Paper (Graph)	
100	Pencils	
18	Rulers	
3	Scale (6", 1/64")	
4	Tape Measure (25')	

Welding

ISX 100 **Industrial Safety**

Supplies (Consumables)

Quantity	Item	Source
1	Electric Lock-out Station	
6	Fire Extinguishers	
2	First Aid Kits	
1	Right-to-Know Center	
1	Universal Precaution Kit	

Small Equipment/Trainers (Individual Items $100-$999)

Quantity	Item	Source
3	Fire Blankets	
1	Hazardous Waste Spill Kit	
	TV/VCR	

Large Equipment/Trainers (Individual Items $1000+)

Quantity	Item	Source
1	CPR Dummy	Rent from Red Cross

Welding

WLD 100 **Oxy-Fuel Systems**

Supplies (Consumables)

Quantity	Item	Source
	Base Metal	
	Drawings and Sketches	
	Ear Plugs	
	Electrodes (Assorted Sizes)	
	Soap Stone	

Supplies (Nonconsumables)

Quantity	Item	Source
2 Each	Burning Goggles of Face Shield (#5 Filter Plat/Lens)	
	Burning Goggles or Face Shield	
2 Each	Burning Goggles or Face Shield (#7 Filter Plate/Lens)	
4 Each	Burning Goggles or Face Shield (Clear Cover Plate/Lens)	
	Leather Gloves	
	Leather Jacket	
	Safety Glasses	
	Sleeves or Apron	
	Welders Hat or Skull Cap	
	Welding Helmet	
4 Each	Welding Lenses (Clear Cover Plate/Lens)	

Hand Tools/Sets (Individual Items Under $100)

Quantity	Item	Source
	10" Vice Grip Clamps	
	10" Vice Grips	
	10-18 Gage Plain Carbon Steel Sheet	
	Carbon Steel Wire Brush	
	Combination Square Set	
	English/Metric Steel Bench Rule 12"	
	File	

	Flints and Tip Cleaner	
	Machine Oxyfuel Gas - Tank Wrench	
	Manual Oxyfuel Gas Cutting Torch - 00-3/0 Cutting Tips	
	Manual Oxyfuel Gas Cutting Torch - 25' Oxyfuel Gas Hose	
	Manual Oxyfuel Gas Cutting Torch - Friction Lighter, Flints and Tip Cleaner	
	Manual Oxyfuel Gas Cutting Torch - Heating Tip	
	Manual Oxyfuel Gas Cutting Torch - Tank Wrench	
	Metal Scribe	
	Overhead Projector	
	Oxyfuel Friction Lighter	
	Pliers (10" Groove or Slip Joint)	
	Pliers (6" Side or Diagonal Cutting)	
	Shielded Metal Arc - Electrode Holder	
	Shielded Metal Arc - Ground Clamp	
	Steel Tape Measure (10')	
	Tank Wrench	
	Vice Grips	
	Wrench (12" Adjustable)	
	Wrenches (Adjustable)	

Small Equipment/Trainers (Individual Items $100-$999)

Quantity	Item	Source
	Abrasive Cut-Off Saw	
	C-Clamps (8")	
	Computer - Complete	
	Guided Bend Test Jig or Machine	
	Layout or Workbench Steel Topped	
	Light/Medium Duty Torch	
	Manual Oxyfuel Gas Cutting Torch - Accessories	
	Manual Oxyfuel Gas Cutting Torch - Consumable Parts Kit	
	Manual Oxyfuel Gas Cutting Torch - Cylinder Cart	

	Manual Oxyfuel Gas Cutting Torch - Oxygen Regulator	
	Manual Oxyfuel Gas Cutting Torch - Part Repair/Replacement Kit	
	Oxyfuel Burning Table with Dross Pan and Replaceable Slats	
	Protective Screens	
	Storage Boxes/Cabinets for Metal & Supplies	
	TV/VCR	

Large Equipment/Trainers (Individual Items $1000+)

Quantity	Item	Source
1	LCD Projector	
	Ventilation Equipment	

Welding

WLD 110 **Cutting Processes**

Supplies (Consumables)

Quantity	Item	Source
2 Each	Burning Goggles or Face Shield (#5 Filter Plate/Lens)	
2 Each	Burning Goggles or Face Shield (#7 Filter Plate/Lens)	
4 Each	Burning Goggles or Face Shield (Clear Cover Plate/Lens)	
4 Boxes	CAC-A Electrodes 1/4"	
4 Boxes	CAC-A Electrodes 1/8"	
4 Boxes	CAC-A Electrodes 3/8"	
4 Boxes	CAC-A Electrodes 5/32"	
	Flints and Tip Cleaner	
	Grinding Wheels	

Supplies (Nonconsumables)

Quantity	Item	Source
	Calculator	
	Fire Extinguisher	
	First Aid Kit	
	Leather Gloves	
	Leather Jacket	
	Safety Glasses	

Hand Tools/Sets (Individual Items Under $100)

Quantity	Item	Source
	Combination Square Set	
	English/Metric Steel Bench Rule 12"	
	File	
	Machine Oxyfuel Gas Tank Wrench	
	Manual Oxyfuel Gas Cutting Torch - Heating Tip	
	Manual Oxyfuel Gas Cutting Torch - Tank Wrench	
	Metal Scribe	
	Oxyfuel Friction Lighter	
	Screwdrivers (Phillips & Flat)	
	Steel Tape Measure 10'	
	Vice Grips	
	Wrenches (Adjustable)	

Small Equipment/Trainers (Individual Items $100-$999)

Quantity	Item	Source
	Air Carbon Arc Cutter Ground Clamp	
	Air Carbon Arc Welder 2/0 Cable Lugs & Connectors	
	Air Carbon Arc Welder 25' 2/0 Electrode Cable	
	Air Carbon Arc Welder 25' 2/0 Workpiece Cable	

	Band Saw	
	Bench Vice	
	Carbide Burn Sets	
	Compressed Air Supply 1/2" Regulator	
	Compressed Air Supply and Accessories	
	Compressed Air Supply M/F Quick Couples and Adaptors	
	Die Grinders	
	Drill Press 1/16" to 1.5" Drill Bits	
	Eye Wash Station	
	Grinder (Right Angle)	
	Guided Bend Test Jig or Machine	
	Layout or Work Bench (Steel Topped)	
	Light/Medium Duty Torch	
	Machine Oxyfuel Gas - 00-2/0 Cutting Tips	
	Machine Oxyfuel Gas - Cutting Torch Assembly	
	Machine Oxyfuel Gas - Fuel Supply	
	Machine Oxyfuel Gas - Oxyfuel Gas Supply	
	Machine Oxyfuel Gas - Oxygen Supply	
	Machine Oxyfuel Gas - Parts Repair/Replacement Kit	
	Machine Oxyfuel Gas - Regulator	
	Machine Oxyfuel Gas Cutting Torch - 25' Oxyfuel Gas Hose	
	Machine Oxyfuel Gas Cutting Torch - Consumable Parts Kit	
	Machine Oxyfuel Gas Cutting Torch - Drive Unit (Track Burner)	
	Machine Oxyfuel Gas Cutting Torch - Friction Lighter, Flints and Tip Cleaner	
	Machine Oxyfuel Gas Cutting Torch - Oxygen Regulator	
	Manual Oxyfuel Gas Cutting Torch (Manual or Combination Assembly)	
	Manual Oxyfuel Gas Cutting Torch - 2/0 Gouging Tips	
	Manual Oxyfuel Gas Cutting Torch - 25' Oxyfuel Gas Hose	
	Manual Oxyfuel Gas Cutting Torch - Consumable Parts Kit	
	Manual Oxyfuel Gas Cutting Torch - Cylinder Cart	
	Manual Oxyfuel Gas Cutting Torch - Friction Lighter, Flints and Tip Cleaner	

	Manual Oxyfuel Gas Cutting Torch - Oxygen Regulator	
	Manual Oxyfuel Gas Cutting Torch - Part Repair/Replacement Kit	
	Manual Oxyfuel Gas Cutting Torch with Accessories	
	Manual Oxyfuel Gas Cutting Torch- 00-3/0 Cutting Tips	
	Overhead Monorail 2-Ton Lift	
	Oxyfuel Burning Table with Dross Pan	
	Pedestal Grinder 12" or 14"	
	Pipe Beveling Machine (Flame Cutting)	
	Plasma Arc - Air Regulator	
	Plasma Arc - Consumable Parts Kit	
	Plasma Arc - Min Rating DC CC 300 amp @ 60% Duty Cycle	
	Plasma Arc - Part Repair/Replacement Kit	
	Plasma Arc - Torch (25', Low Volt, Air Primary and Sec)	
	Plasma Arc Cutter	
	Protective Screens	
	Saws	
	Shear	
	Shear 1/4" Capacity	
	Tensile Testing Machine	
	TV/VCR	
	Welding Power Source	

Large Equipment/Trainers (Individual Items $1000+)

Quantity	Item	Source
	A-Frame Crane	
	Air Carbon Arc Cutter	
	Cage Cylinder Storage	
	Ironworker (Min 50 Ton)	
	LCD Projector	
	Ventilation Equipment	

Office of Career and Technical Education
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Welding

WLD 111 **Cutting Processes Lab**

Program Area General Equipment/Supplies

Quantity	Item	Source
	See List for WEX 110	

The Kentucky Tech Curriculum

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EQUIPMENT/SUPPLIES

Effective: 12/26/2011

Welding

WLD 120 **Shielded Metal Arc Welding (SMAW)**

Supplies (Consumables)

Quantity	Item	Source
	Base Metal	
4 Boxes	CAC-A Electrodes - 1/4"	
4 Boxes	CAC-A Electrodes - 1/8"	
4 Boxes	CAC-A Electrodes - 3/8"	
4 Boxes	CAC-A Electrodes - 5/32"	
	Drawings and Sketches	
	Ear Plugs	
	Electrodes (Assorted Sizes)	
	Grinding Wheels	
	Soap Stone	

Supplies (Nonconsumables)

Quantity	Item	Source
	Burning Goggles or Face Shield	
2 Each	Burning Goggles or Face Shield (#5 Filter Plate/Lens)	
4 Each	Burning Goggles or Face Shield (Clear Cover Plate/Lens)	
	Cape	
	Leather Gloves	
	Leather Jacket	
	Safety Glasses	
	Sleeves or Apron	
	Welder's Hat or Skull Cap	
	Welding Helmet	
2 Each	Welding Lenses (#1 0 Shaded Filter Plate/Lens)	
2 Each	Welding Lenses (#1 2 Shaded Filter Plate/Lens)	
4 Each	Welding Lenses (Clear Cover Plate/Lens)	

Hand Tools/Sets (Individual Items Under $100)

Quantity	Item	Source
	3/8" Plain Carbon Steel Plate	
	6" Needle Nose Pliers	
	6" Side or Diagonal Cutting Pliers	
	Adjustable Wrench (12")	
	Air Carbon Arc - 2/0 Cable Lugs & Connectors	
	Air Carbon Arc - Ground Clamps	
	Allen or Hex Wrenches	
	Aluminum Sheet (10-18)	
	Calculator	
	Center Punch	
	Cold Chisel	
	Combination Square Set	

	English/Metric Steel Bench Rule 12"	
	File	
	Fillet Gage	
	Fire Extinguisher	
	First Aid Kit	
	Flashlight	
	Flints and Tip Cleaner	
	Gas Metal Arc - 2/0 Cable Lugs and Connects	
	Gas Metal Arc - Consumable Parts Kit	
	Gas Tungsten Arc Accessory Kit	
	Grinders and Accessories (8"-12")	
	Hammer (Chipping)	
	Hammer (Ball Peen)	
	Machine Oxyfuel Gas - 00-2/0 Cutting Tips	
	Machine Oxyfuel Gas - 25' Oxyfuel Gas Hose	
	Machine Oxyfuel Gas - Consumable Parts Kit	
	Machine Oxyfuel Gas - Friction Lighter, Flints and Tip Cleaner	
	Machine Oxyfuel Gas - Oxyfuel Gas Supply	
	Machine Oxyfuel Gas - Parts Repair/Replacement Kit	
	Machine Oxyfuel Gas - Tank Wrench	
	Manual Oxyfuel Gas Cutting Torch - 00-3/0 Cutting Tips	
	Manual Oxyfuel Gas Cutting Torch - 2/0 Gouging Tips	
	Manual Oxyfuel Gas Cutting Torch - 25' Oxyfuel Gas Hose	
	Manual Oxyfuel Gas Cutting Torch - Friction Lighter, Flint and Tip Cleaner	
	Manual Oxyfuel Gas Cutting Torch - Heating Tips	
	Manual Oxyfuel Gas Cutting Torch - Tank Wrench	
	Metal Scribe	
	Overhead Projector	
	Oxyfuel Friction Lighter	
	Plain Carbon Steel Sheet (10-18 Gage)	
	Pliers (10" Groove or Slip Joint)	

	Screwdrivers (Phillips & Flat)	
	Shielded Metal Arc - Electrode Holder	
	Shielded Metal Arc - Ground Clamp	
	Shielded Metal Arc 2/0 Cable Lugs and Connectors	
	SMAW Filler Metal - 1/8" E 308 - 15/16"	
	SMAW Filler Metal - 1/8" E 309 - 15/16"	
	SMAW Filler Metal - 1/8" Ni-Rods	
	SMAW Filler Metal - 1/8" Non-Machinable Cast Electrode	
	SMAW Filler Metal - 100# 1/8" E 6010	
	SMAW Filler Metal - 100# 1/8" E 6011	
	SMAW Filler Metal - 100# 1/8" E 7018	
	SMAW Filler Metal - 100# 3/32" E 7018	
	SMAW Filler Metal - 100# 5/32" 6011	
	SMAW Filler Metal 100# 5/32" E 6010	
	SMAW Filler Metal 100# 5/32" E7018	
	Stainless Steel Sheet (10-18)	
	Steel Dividers (6" Min)	
	Tank Wrench	
	Tape Measure (Steel - 10')	
	Vice Grip Clamps (10")	
	Vice Grips	
	Vice Grips (10")	
	Wire Brush (Carbon and Stainless)	
	Wire Brush (Carbon Steel)	
	Wrenches (Adjustable)	

Small Equipment/Trainers (Individual Items $100-$999)

Quantity	Item	Source
	AC/DC Current - CC 300 Amp	
	Air Carbon Arc Cutter	
	Air Carbon Arc - 25' 2/0 Electrode Cable	

	Air Carbon Arc - 25' 2/0 Workpiece Cable	
	Anvil	
	Bench Vice	
	Brake - Sheet Metal	
	C-Clamps 8"	
	Compressed Air Supply - 1/2" Air Regulator	
	Compressed Air Supply - M/F Quick Couples and Adaptors	
	Compressed Air Supply and Accessories	
	Computer - Complete	
	Drill Press 1/16" to 1.5" Drill Bits	
	Electrode Oven	
	Eye Wash Station	
	Gas Metal Arc - 25' 2/0 Electrode Cable	
	Gas Metal Arc - 25' 2/0 Workpiece Cable	
	Gas Metal Arc - Flow Meters	
	Gas Metal Arc - Ground Clamp	
	Gas Metal Arc - Gun 15'	
	Gas Metal Arc - Parts Repair/Replacement Kit	
	Gas Tungsten Arc - Flow Meter(s)	
	Gas Tungsten Arc - Gas Purge Control	
	Gas Tungsten Arc - High Frequency Control	
	Gas Tungsten Arc - Part Repair/Replacement Kit	
	Gas Tungsten Arc - Torch 25'	
	Gas Tungsten Arc - Water Circulation	
	Grinder (Right Angle)	
	Guided Bend Test Jig or Machine	
	Layout or Workbench Steel Topped	
	Light/Medium Duty Torch	
	Machine Oxyfuel Gas - Drive Unit	
	Machine Oxyfuel Gas - Fuel Gas Regulator	
	Machine Oxyfuel Gas - Fuel Gas Supply	

	Machine Oxyfuel Gas - Oxygen Regulator	
	Machine Oxyfuel Gas - Oxygen Supply	
	Machine Oxyfuel Gas Cutting Torch	
	Manual Oxyfuel Gas Cutting Torch	
	Manual Oxyfuel Gas Cutting Torch - Consumable Parts Kit	
	Manual Oxyfuel Gas Cutting Torch - Cylinder Cart	
	Manual Oxyfuel Gas Cutting Torch - Oxygen Regulator	
	Manual Oxyfuel Gas Cutting Torch - Parts Repair/Replacement Kit	
	Manual Oxyfuel Gas Cutting Torch Accessories	
	Mechanical Drafting Equipment	
	Oxyfuel Burning Table with Dross Pan and Replacable Slats	
	Pedestal Grinder (12" or 14")	
	Plasma Arc - Air Regulator	
	Plasma Arc - Consumable Parts Kit	
	Plasma Arc - Parts Repair/Replacement Kit	
	Plasma Arc - Torch (25', Low Volt, Air)	
	Protective Screens	
	Saw (Abrasive Cut-Off)	
	Saw (Band)	
	Shielded Metal Arc - 25' 2/0 Electrode Cable	
	Shielded Metal Arc - 25' 2/0 Workpiece Table	
	Shielded Metal Arc Welder	
	Storage Boxes/Cabinets for Metals and Supplies	
	Tensile Testing Machine with Guided Bend Tester	
	TV/VCR	

Large Equipment/Trainers (Individual Items $1000+)

Quantity	Item	Source
	A-Frame Crane	
	Gas Metal Arc - Power Supply	
	Gas Metal Arc - Wire Feeder	

	Gas Tungsten Arc - AC/DC CC Power Supply	
	Ironworker (Min 50 Ton)	
	LCD Projector	
	Metal Moving Equipment (Forklift or Pallet Jack)	
	Multi-Purpose Welder - Gas or Diesel, Portable	
	Overhead Monorail 2-Ton Lift	
	Plasma Arc - DC CC 300 Amp @ 60% Duty Cycle	
	Saw (Horizontal Band)	
	Shear 1/4" Capacity	
	Ventilation Equipment	
	Vertical Milling Machine	

Welding

WLD 121 **SMAW Fillet Lab**

Program Area General Equipment/Supplies

Quantity	Item	Source
	See List for WEX 120	

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EQUIPMENT/SUPPLIES

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Welding

WLD 130 **Gas Tungsten Arc Welding**

Supplies (Consumables)

Quantity	Item	Source
	Base Metal	
	Drawings and Sketches	
	Ear Plugs	

Supplies (Nonconsumables)

Quantity	Item	Source
	Burning Goggles or Face Shield	
2 Each	Burning Goggles or Face Shield (#5 Filter Plate/Lens)	
2 Each	Burning Goggles or Face Shield (#7 Filter Plate/Lens)	
4 Each	Burning Goggles or Face Shield (Clear Cover Plate/Lens)	
	Cape	
	Leather Gloves, Welding	
	Leather Jacket, Welding	
	Safety Glasses	
	Sleeves or Apron	
	Spectacles with Side Shields or Clear Lens	
	Welder's Hat or Skull Cap	
	Welding Helmet	
2 Each	Welding Lenses (#1 2 Shaded Filter Plate/Lens)	
2 Each	Welding Lenses (#10 Shaded Filter Plate/Lens)	
4 Each	Welding Lenses (Clear Cover Plate/Lens)	

Hand Tools/Sets (Individual Items Under $100)

Quantity	Item	Source
	3/8" Plain Carbon Plate Sheet	
	Aluminum Sheet (10-18 Gauge)	
	Calculator	
	Carbon Steel Wire Brush	
	Center Punch	

	Cold Chisel	
	Combination Square Set	
	Files (10")	
	Fillet Gage	
	Fire Extinguisher	
	First Aid Kit	
	Flashlight	
	Flints and Tip Cleaner	
	Gas Tungsten Arc Accessory Kit	
	Grinding Wheels (General Purpose/Aluminum)	
4 pkg	GTAW 10-Pc Each 1/16" EWCE-2	
4 pkg	GTAW 10-Pc Each 1/16" EWP	
4 pkg	GTAW 10-Pc Each 1/16" EWTH-2	
4 pkg	GTAW 10-Pc Each 1/16" EWZ	
4 pkg	GTAW 10-Pc Each 1/8" EWCE-2	
4 pkg	GTAW 10-Pc Each 1/8" EWP	
4 pkg	GTAW 10-Pc Each 1/8" EWTH-2	
4 pkg	GTAW 10-Pc Each 1/8" EWZ	
4 pkg	GTAW 10-Pc Each 3/32" EWCE-2	
4 pkg	GTAW 10-Pc Each 3/32" EWP	
4 pkg	GTAW 10-Pc Each 3/32" EWTH-2	
4 pkg	GTAW 10-Pc Each 3/32" EWZR	
	GTAW 100% Argon	
	GTAW 40# 1/16 ER 3XX (Stainless Rod)	
	GTAW 40# 3/32" ER 3XX (Stainless Rod)	
4 pkg	GTAW 40# 3/32" ER 4043 (Aluminum Rod)	
	GTAW 40# 3/32" ER 70-52 (Carbon Steel Rod)	
4 pkg	GTAW 40# ER 70-52 (Carbon Steel Rod)	
	GTAW 40#1/16" ER 4043 (Aluminum Rod)	
	GTAW Electodes Filler Metal and Sheilding Gas	
	Hammer (Ball Peen - 16 oz.)	

	Hammer (Chipping)	
	Machine Oxyfuel Gas - 00-2/0 Cutting Tips	
	Machine Oxyfuel Gas - 25' Oxy Fuel Gas Hose	
	Machine Oxyfuel Gas - Consumable Parts Kit	
	Machine Oxyfuel Gas - Friction Lighter, Flints and Tip Cleaner	
	Machine Oxyfuel Gas - Oxy Fuel Gas Supply	
	Machine Oxyfuel Gas - Parts Replacement/Repair Kit	
	Machine Oxyfuel Gas Tank Wrench	
	Manual Oxyfuel Gas Cutting Torch - 00-3/0 Cutting Tips	
	Manual Oxyfuel Gas Cutting Torch - 2/0 Gouging Tips	
	Manual Oxyfuel Gas Cutting Torch - 25' Oxy Fuel Gas Hose	
	Manual Oxyfuel Gas Cutting Torch - Friction, Lighter, Flints and Tip Cleaner	
	Manual Oxyfuel Gas Cutting Torch Heating Tip	
	Manual Oxyfuel Gas Cutting Torch Tank Wrench	
	Metal Scribe	
	Overhead Projector	
	Oxyfuel Friction Lighter	
	Plain Carbon Steel Sheet (10-18 Gauge)	
	Pliers (10" Groove or Slip Joint)	
	Pliers (6" Needle Nose)	
	Pliers (6" Side or Diagonal Cutting)	
	Rule (English/Metric Steel Bench - 12")	
	Screwdrivers (Phillips & Flat)	
	Soap Stone	
	Stainless Steel Sheet (10-18 Gauge)	
	Stainless Steel Wire Brush	
	Steel Dividers (6" Minimum)	
	Steel Tape Measure (10')	
	Tank Wrench	
	Vice Grips	
	Vice Grips (10")	

	Wrench (12" Adjustable)	
	Wrench Set (Allen or Hex)	
	Wrenches (Adjustable)	
	Wrenches (Allen or Hex up to 3/8")	

Small Equipment/Trainers (Individual Items $100-$999)

Quantity	Item	Source
	Abrasive Cut-Off Saw	
	Anvil (150-lb)	
	Band Saw	
	Bench Vice	
	C-Clamps (8")	
	Computer - Complete	
	Drill Press 1/16" to 1 1/2" Drill Bits	
	Eye Wash Station	
	Gas Tungsten Arc-Flow Meter(s)	
	Gas Tungsten Arc-Gas Purge Control	
	Gas Tungsten Arc-High Frequency Control	
	Gas Tungsten Arc-Part Repair/Replacement Kit	
	Gas Tungsten Arc-Torch (25', Amps and Cooling)	
	Gas Tungsten Arc-Water Circulation and Control	
	Layout or Work Bench Steel Topped	
	Light/Medium Duty Torch	
	Machine Oxyfuel Gas - Cutting Torch Assembly	
	Machine Oxyfuel Gas - Drive Unit	
	Machine Oxyfuel Gas - Fuel Gas Regulator	
	Machine Oxyfuel Gas - Fuel Gas Supply	
	Machine Oxyfuel Gas - Oxygen Regulator	
	Machine Oxyfuel Gas - Oxygen Supply	
	Manual Oxyfuel Gas - Cutting Torch	
	Manual Oxyfuel Gas - Cutting Torch Accessories	

	Manual Oxyfuel Gas - Cutting Torch Consumable Parts Kit	
	Manual Oxyfuel Gas - Cutting Torch Cylinder Cart	
	Manual Oxyfuel Gas - Cutting Torch Oxygen Regulator	
	Manual Oxyfuel Gas - Cutting Torch Part Repair/Replacement Kit	
	Mechanical Drafting Equipment	
	Oxyfuel Burning Table with Dross Pan and Replaceable Slats	
	Oxygen Gas Cutting	
	Pedestal Grinder (12" or 14")	
	Plasma Arc - Air Regulator	
	Plasma Arc - Consumable Parts Kit	
	Plasma Arc - Part Repair/Replacement Kit	
	Plasma Arc Torch (25', Low Volt, Air)	
	Protective Screens	
	Storage Boxes/Cabinets for Metals & Supplies	
	TV/VCR	

Large Equipment/Trainers (Individual Items $1000+)

Quantity	Item	Source
	AC/DC Power Source	
	Gas Tungsten Arc - AC/DC CC 300-Amp	
	Grinders and Accessories (8" - 12")	
	Iron Worker (Min 50 Ton)	
1	LCD Projector	
	Metal Moving Equipment (Forklift or Pallet Jack)	
	Overhead Monorail 2-Ton Lift	
	Plasma Arc Cutter - DC CC 300-Amp @ 60	
	Saw	
	Shear 1/4" Capacity	
	Ventilation Equipment	
	Welding Table with Weld Position	

Effective: 12/26/2011

Welding

WLD 131 **Gas Tungsten Arc Welding Fillet Lab**

Program Area General Equipment/Supplies

Quantity	Item	Source
	See List for WEL 130	

Effective: 12/26/2011

Welding

WLD 133 **GTAW Groove Lab**

Program Area General Equipment/Supplies

Quantity	Item	Source
	See List for WEL 130	

Effective: 12/26/2011

Welding

WLD 140 **Gas Metal Arc Welding**

Supplies (Consumables)

Quantity	Item	Source
	3/8" Plain Carbon Steel Plate	
	Aluminum Electrodes	
	Base Metal	
	Ear Plugs/Noise Protection	
	GMAW Filler Metal & Shielding 14# Spool .030 E70-SX	
	GMAW Filler Metal & Shielding 14# Spool .035 E70-SX	
	GMAW Filler Metal & Shielding 14# Spool .045 E70-SX	
	GMAW Filler Metal & Shielding Anti-Splatter Spray or Gel	
	Leather Gloves	
	Leather Jacket	
	Materials 10-18 Gauge Aluminum Sheet	
	Materials 10-18 Gauge Plain Carbon Steel Sheet	
	Materials 10-18 Gauge Stainless Steel	
	Safety Glasses	
	Sleeves or Apron	
	Spectacles with Side Shields	
	Stainless Steel Electrodes	
	Welder's Hat or Skull Cap	
	Welding Helmet	
2 Each	Welding Lenses #10 Shaded	
2 Each	Welding Lenses #11 Shaded Filter	
4 Each	Welding Lenses Clear Cover	
	Welding Lenses to match helmet design	

Supplies (Nonconsumables)

Quantity	Item	Source
	Fire Extinguisher	
	First Aid Kit	

Hand Tools/Sets (Individual Items Under $100)

Quantity	Item	Source
	10" Groove or Slip Joint Pliers	
	10" Vice Grips, 10" Clamps	
	Allen or Hex Wrench Set	
1 Set	Allen or Hex Wrenches up to 3/8"	
	Ball Peen Hammer	
	Carbon Steel Wire Brush	
	Center Punch	
	Chemical Shower	
	Combination Square Set	
	English/Metric Steel Benchrule (Min 12')	
	Gas Metal Arc 2/0 Cable Lugs & Connectors	
	Gas Metal Arc 25' 2/0 Electrode Cable	
	Gas Metal Arc 25' 2/0 Workpiece Cable	
	Gas Metal Arc Consumable Parts Kit (.030-.045)	
	Gas Metal Arc Flow Meter (CO2 Mixtures)	
	Gas Metal Arc Ground Clamp	
	Gas Metal Arc Gun 15 amp and Cooling	
	Hammer (Chipping)	
	Pliers (6" Needle Nose)	
	Pliers (6" Side or Diagonal Cutting)	
	Pliers, Wrenches, Clamps, Tank Wrench	
	Screwdrivers (Flat & Phillips)	
1 Set	Screwdrivers (Phillips & Flat)	
	Soap Stone	
	Stainless Steel Wire Brush	
	Steel Dividers (Min 6")	
	Tape Measure (Steel - Min 10')	
1 Set	Vice Grips	
	Wrench (12" Adjustable)	
1 Set	Wrenches (Adjustable)	

Small Equipment/Trainers (Individual Items $100-$999)

Quantity	Item	Source
	Gas Metal Arc Parts Repair/Replacement Kit	
	Storage Boxes/Cabinets for Metals & Supplies	

Large Equipment/Trainers (Individual Items $1000+)

Quantity	Item	Source
	AC/DC Current Minimum Rating Constant CC 300 amp	
	Gas Metal Arc Spary & Short Circuit	
	Gas Metal Arc Wire Feeder	
	Guided Bend Test Jig or Machine	
	Iron Worker (Min 50 Ton)	
	Mig Welding Power Source	
	Multi-Purpose Welder	
	Pedestal Grinder (12" or 14")	
	Welding Booth 6'x6' with Ventilation	
	Welding Table with Weld Positioner	

Welding

WLD 141 **GMAW Fillet Lab**

Program Area General Equipment/Supplies

Quantity	Item	Source
	See List for WEL 140	

Welding

WLD 143 **GMAW Groove Lab**

Program Area General Equipment/Supplies

Quantity	Item	Source
	See List for WEL 140	

Welding

WLD 151 **Basic Welding A**

Supplies (Consumables)

Quantity	Item	Source
	Base Metal	
	Drawings and Sketches	
	Grinding Wheels	

Supplies (Nonconsumables)

Quantity	Item	Source
2 Each	Burning Goggles or Face Shield (#5 Filter Plate/Lens)	
2 Each	Burning Goggles or Face Shield (#7 Filter Plate/Lens)	
	Welding Helmet	
2 Each	Welding Lenses (#1 0 Shaded Filter Plate/Lens)	
4 Each	Welding Lenses (Clear Cover Plate/Lens)	

Hand Tools/Sets (Individual Items Under $100)

Quantity	Item	Source
	Air Carbon Arc - 2/0 Cable Lugs and Connectors	
	Air Carbon Arc - Ground Clamp	
	Carbon Steel Plate (3/8" Plain)	
	FCAW Filler Metal & Shielding - 40# Spool .045 E71T-1	
	FCAW Filler Metal & Shielding - 40# Spool .045 E71T-11	
	Fire Extinguisher	
	First Aid Kit	
	Flux Cored Arc - Consumable Parts Kit	
	Flux Cored Arc - Ground Clamp	
	Gas Metal Arc - 2/0 Cable Lugs and Connects	
	Gas Metal Arc - Consumable Parts Kit	
	Gas Tungsten Arc - Accessory Kit	
	GMAW Argon and CO2	
	GMAW Filler Metal and Shielding Anti-Splatter Spray or Gel	
	Grinders and Accessories (8"-12")	
	Hammer (Chipping)	
	Machine Oxyfuel Gas - 00-2/0 Cutting Tips	
	Machine Oxyfuel Gas - 25' Oxyfuel Gas Hose	
	Machine Oxyfuel Gas - Consumable Parts Kit	
	Machine Oxyfuel Gas - Friction Lighter, Flint and Tip Cleaner	
	Machine Oxyfuel Gas - Parts Repair/Replacement Kit	
	Machine Oxyfuel Gas - Tank Wrench	
	Manual Oxyfuel Gas Cutting Torch - 00-3/0 Cutting Tips	
	Manual Oxyfuel Gas Cutting Torch - 2/0 Gouging Tips	
	Manual Oxyfuel Gas Cutting Torch - 25' Oxyfuel Gas Hose	
	Manual Oxyfuel Gas Cutting Torch - Friction Lighter, Flint and Tip Cleaner	
	Manual Oxyfuel Gas Cutting Torch - Heating Tip	
	Manual Oxyfuel Gas Cutting Torch - Tank Wrench	

	Overhead Projector	
	Pliers (10" Groove or Slip Joint)	
	Pliers (6" Side or Diagonal Cutting)	
	Shielded Metal Arc - Electrode Holder	
	Shielded Metal Arc - Ground Clamp	
	Shielded Metal Arc 2/0 Cable Lugs and Connectors	
	SMAW Filler Metal - 100# 1/8" E6010	
	SMAW Filler Metal - 100# 1/8" E6011	
	SMAW Filler Metal - 100# 1/8" E7018	
	Vice Grip Clamps (10")	
	Vice Grips	
	Vice Grips (10")	
	Wire Brush (Carbon or Steel)	
	Wrench (12" Adjustable)	
	Wrenches (Adjustable)	
	Wrenches (Allen or Hex)	

Small Equipment/Trainers (Individual Items $100-$999)

Quantity	Item	Source
	Air Carbon Arc Cutter	
	Bench Vice	
	Chemical Shower	
	Clamps (C-Clamps 8")	
	Compressed Air Supply and Accessories	
	Compressed Air Supply and Accessories to Accommodate Pneumatic Tools or Air Carbon ARC	
	Drill Press 1/16" to 1.5" Drill Bits	
	Electrode Oven	
	Eye Wash Station	
	Flux Cored Arc - 2/0 Cable Lugs and Connects	
	Flux Cored Arc - 25' 2/0 Electrode Cable	

	Flux Cored Arc - 25' 2/0 Workpiece Cable	
	Flux Cored Arc - Flow Meters	
	Flux Cored Arc - Gas Shielded Gun	
	Flux Cored Arc - Ground Clamp	
	Flux Cored Arc - Parts Repair/Replacement Kit	
	Flux Cored Arc - Self Shielded Gun	
	Gas Metal Arc - 25' 2/0 Electrode Cable	
	Gas Metal Arc - 25' 2/0 Workpiece Cable	
	Gas Metal Arc - Flow Meters	
	Gas Metal Arc - Ground Clamp	
	Gas Metal Arc - Gun 15'	
	Gas Metal Arc - Parts Repair/Replacement Kit	
	Gas Tungsten Arc - Flow Meter	
	Gas Tungsten Arc - Gas Purge Control	
	Gas Tungsten Arc - High Frequency Control	
	Gas Tungsten Arc - Part Repair/Replacement Kit	
	Gas Tungsten Arc - Torch 25'	
	Gas Tungsten Arc - Water Circulation	
	Grinder (Right Angle)	
	Guided Bend Test Jig or Machine	
	Layout or Workbench (Steel Topped)	
	Machine Oxyfuel Gas - Drive Unit	
	Machine Oxyfuel Gas - Fuel Gas Regulator	
	Machine Oxyfuel Gas - Fuel Gas Supply	
	Machine Oxyfuel Gas - Oxygen Regulator	
	Machine Oxyfuel Gas - Oxygen Supply	
	Machine Oxyfuel Gas Cutting Torch	
	Manual Oxyfuel Gas Cutting Torch - Cylinder Cart	
	Manual Oxyfuel Gas Cutting Torch - Oxygen Regulator	
	Manual Oxyfuel Gas Cutting Torch Accessories	
	Oxyfuel Burning Table with Dross Pan and Replacement Slats	

	Plasma Arc - Air Regulator	
	Plasma Arc - Consumable Parts Kit	
	Plasma Arc - Part Repair/Replacement Kit	
	Plasma Arc - Torch (25', Low volt, Air)	
	Saw (Abrasive Cut-Off)	
	Saw (Band Saw)	
	Shielded Metal Arc - 25' 2/0 Electrode Cable	
	Shielded Metal Arc - 25' 2/0 Workpiece Cable	
	Shielded Metal Arc Welder	
	Storage Boxes/Cabinet for Metals and Supplies	
	TV/VCR	

Large Equipment/Trainers (Individual Items $1000+)

Quantity	Item	Source
	Flux Cored Arc - CV or CP 300 amp @ 100% Duty Cycle	
	Flux Cored Arc - Wire Feeder	
	Gas Metal Arc - Wire Feeder	
	Gas Metal Arc Welder	
	Gas Tungsten Arc - AC/DC CC 300 Amp	
	LCD Projector	
	Multi-Purpose Welder - Gas or Diesel, Portable	
	Overhead Monorail 2-Ton Lift	
	Plasma Arc - DC CC 300 amp @ 60% Duty Cycle	
	Saw (Horizontal Band Saw)	
	Ventilation Equipment	
	Vertical Milling Machine	
	Welding Table with Weld Positioner	

Welding

WLD 170 **Blueprint Reading for Welding**

Supplies (Consumables)

Quantity	Item	Source
	Base Metal	
4 Boxes	CAC-A Electrodes 1/4"	
4 Boxes	CAC-A Electrodes 1/8"	
4 Boxes	CAC-A Electrodes 3/8"	
4 Boxes	CAC-A Electrodes 5/32"	
	Drawings and Sketches	
	Ear Plugs	
	Electrodes (Assorted Sizes)	
	Grinding Wheels	
	Soap Stone	

Supplies (Nonconsumables)

Quantity	Item	Source
	Burning Goggles or Face Shield	
2 Each	Burning Goggles or Face Shield (#5 Filter Plate/Lens)	
2 Each	Burning Goggles or Face Shield (#7 Filter Plate/Lens)	
4 Each	Burning Goggles or Face Shield (Clear Cover Plate/Lens)	
	Cape	
	Leather Gloves	
	Leather Jacket	
	Safety Glasses	
	Sleeves or Apron	
	Spectacles with Side Shields and Clear Lens	
	Welder's Hat or Skull Cap	
	Welding Helmet	

2 Each	Welding Lenses (#1 2 Shaded Filter Plate/Lens)	
2 Each	Welding Lenses (#10 Shaded Filter Plate/Lens)	
4 Each	Welding Lenses (Clear Cover Plate/Lens)	

Hand Tools/Sets (Individual Items Under $100)

Quantity	Item	Source
	Air Carbon Arc - 2/0 Cable Lugs and Connect	
	Air Carbon Arc - Ground Clamp	
	Aluminum Sheet (10-18 Gauge)	
	Calculator	
	Cast Iron Electrodes	
	Center Punch	
	Cold Chisel	
	Combination Square Set	
	English/Metric Steel Bench Rule 12"	
	FCAW Filler Metal and Sheilding 40# Spool .045 E71T-11	
	FCAW Filler Metal and Shielding 40# Spool .035 E71T-1	
	FCAW Filler Metal and Shielding 40# Spool .035 E71T-11	
	FCAW Filler Metal and Shielding Dual Shielded Wire E71M	
	Files (10")	
	Fillet Gage	
	Fire Extinguisher	
	First Aid Kit	
	Flashlight	
	Flints and Tip Cleaner	
	Flux Cored Arc - Consumable Parts Kit	
	Flux Cored Arc - Ground Clamp	
	Gas Metal Arc - 2/0 Cable Lugs and Connects	
	Gas Metal Arc - Consumable Parts Kit	
	Gas Tungsten Arc Accessory Kit	
	GMAW Argon and CO2	

	GMAW Argon and O2	
	GMAW Filler Metal and Shielding 14# Spool .030 ER70S-X	
	GMAW Filler Metal and Shielding 14# Spool .035 ER70S-X	
	GMAW Filler Metal and Shielding 14# Spool .045 ER70S-X	
	GMAW Filler Metal and Shielding Anti Splatter Spray or Gel	
	Grinders and Accessories (8"-12")	
	GTAW 10-Piece Each 1/16" EWCE-2	
4 pkg	GTAW 10-Piece Each 1/16" EWP	
4 pkg	GTAW 10-Piece Each 1/16" EWTH-2	
4 pkg	GTAW 10-Piece Each 1/16" EWZ	
4 pkg	GTAW 10-Piece Each 1/8" EWCE-2	
4 pkg	GTAW 10-Piece Each 1/8" EWP	
4 pkg	GTAW 10-Piece Each 1/8" EWTH-2	
4 pkg	GTAW 10-Piece Each 1/8" EWZ	
4 pkg	GTAW 10-Piece Each 3/32" EWCE-2	
4 pkg	GTAW 10-Piece Each 3/32" EWP	
	GTAW 10-Piece Each 3/32" EWTH-2	
	GTAW 10-Piece Each 3/32" EWZR	
	GTAW 100% Argon	
	GTAW 40# 1/16" ER 3XX (Stainless Steel Rod)	
	GTAW 40# 1/16" ER 70-52	
	GTAW 40# 1/16" ER4043 (Aluminum Rod)	
	GTAW 40# 3/32" 3XX (Stainless Steel Rod)	
	GTAW 40# 3/32" ER 4043 (Aluminum Rod)	
	GTAW 40# 3/32" ER 705-2 (Carbon Steel Rod)	
	GTAW Electrodes Filler Metal and Shielding Gas	
	Hammer (Ball Peen)	
	Hammer (Chipping)	
	Machine Oxyfuel Gas - 00-2/0 Cutting Tips	
	Machine Oxyfuel Gas - 25' Oxyfuel Gas Hose	
	Machine Oxyfuel Gas - Consumable Parts Kit	

	Machine Oxyfuel Gas - Friction Lighter, Flints and Tip Cleaner	
	Machine Oxyfuel Gas - Oxyfuel Gas Supply	
	Machine Oxyfuel Gas - Tank Wrench	
	Manual Oxyfuel Gas Cutting Torch - 00-3/0 Cutting Tips	
	Manual Oxyfuel Gas Cutting Torch - 2/0 Gouging Tips	
	Manual Oxyfuel Gas Cutting Torch - 25' Oxyfuel Gas Hose	
	Manual Oxyfuel Gas Cutting Torch - Friction Lighter, Flints and Tip Cleaner	
	Manual Oxyfuel Gas Cutting Torch Heating Tip	
	Manual Oxyfuel Gas Cutting Torch Tank Wrench	
	Metal Scribe	
	Overhead Projector	
	Oxyfuel Friction Lighter	
	Plain Carbon Steel Plate (3/8")	
	Plain Carbon Steel Sheet (10-18 Gauge)	
	Pliers (10" Groove or Slip Joint)	
	Pliers (6" Needle Nose)	
	Pliers (6" Side or Diagonal Cutting)	
	Screwdrivers (Phillips & Flat)	
	Shielded Metal Arc - Electrode Holder	
	Shielded Metal Arc - Ground Clamp	
	Shielded Metal Arc 2/0 Cable Lugs and Connect	
	SMAW Filler Metal - 1/8" E 308 - 5/16	
	SMAW Filler Metal - 1/8" E 309 - 5/16	
	SMAW Filler Metal - 1/8" Ni-Rods	
	SMAW Filler Metal - 1/8" Non-Machinable Cast Electrode	
	SMAW Filler Metal - 100# 1/8" E 6010	
	SMAW Filler Metal - 100# 1/8" E 6011	
	SMAW Filler Metal - 100# 1/8" E 7018	
	SMAW Filler Metal - 100# 3/32" E 7018	
	SMAW Filler Metal - 100# 5/32" 6011	
	SMAW Filler Metal 100# 5/32" E6010	

	SMAW Filler Metal 100# 5/32" E7018	
	Stainless Steel Sheet (10-18)	
	Steel Dividers (6" Minimum)	
	Steel Tape Measure (10')	
	Tank Wrench	
	Vice Grip Clamps (10")	
	Vice Grips	
	Vice Grips (10")	
	Wire Brush (Stainless Steel)	
	Wire Brushes	
	Wrench (12" Adjustable)	
	Wrench Set (Allen or Hex)	
	Wrenches (Allen or Hex to 3/8")	
	Wrenches (Adjustable)	

Small Equipment/Trainers (Individual Items $100-$999)

Quantity	Item	Source
	AC/DC Current - CC 300 Amp	
	Air Carbon Arc - 25' 2/0 Electrode Cable	
	Air Carbon Arc - 25' 2/0 Workpiece Cable	
	Air Carbon Arc Cutter	
	Anvil	
	Bench Vice	
	C-Clamps 8"	
	Compressed Air Supply - 1/2" Compressed Air Regulator	
	Compressed Air Supply - M/F Quick Couples Adaptors	
	Compressed Air Supply and Accessories	
	Computer - Complete	
	Drill Press 1/16" to 1/2" Drill Bits	
	Electrode Oven	
	Eye Wash Station	

	Flux Cored Arc - 2/0 Cable Lugs and Connectors	
	Flux Cored Arc - 25' 2/0 Electrode Cable	
	Flux Cored Arc - 25' 2/0 Workpiece Cable	
	Flux Cored Arc - Flow Meters	
	Flux Cored Arc - Gas Shielded Gun	
	Flux Cored Arc - Ground Clamp	
	Flux Cored Arc - Parts Repair/Replacement Kit	
	Flux Cored Arc - Self Shielded Gun	
	Gas Metal Arc - 25' 2/0 Electrode Cable	
	Gas Metal Arc - 25' 2/0 Workpiece Cable	
	Gas Metal Arc - Flow Meters	
	Gas Metal Arc - Ground Clamp	
	Gas Metal Arc - Gun 15' Amp and Cooling	
	Gas Metal Arc - Parts Repair/Replacement	
	Gas Tungsten - Flow Meter(s)	
	Gas Tungsten - Water Circulation and Control	
	Gas Tungsten Arc - Gas Purge Control	
	Gas Tungsten Arc - High Frequency Control	
	Gas Tungsten Arc - Part Repair/Replacement Kit	
	Gas Tungsten Arc - Torch (25', Amps and Cooling)	
	Grinder (Pedestal, 12" or 14")	
	Grinder (Right Angle)	
	Guided Bend Test Jig or Machine	
	Layout or Workbench (Steel Topped)	
	Light/Medium Duty Torch	
	Machine Oxyfuel Gas - Drive Unit	
	Machine Oxyfuel Gas - Cutting Torch	
	Machine Oxyfuel Gas - Fuel Gas Regulator	
	Machine Oxyfuel Gas - Fuel Gas Supply	
	Machine Oxyfuel Gas - Oxygen Regulator	
	Machine Oxyfuel Gas - Oxygen Supply	

	Manual Oxyfuel Gas Cutting Torch - Consumable Parts Kit	
	Manual Oxyfuel Gas Cutting Torch - Cylinder Cart	
	Manual Oxyfuel Gas Cutting Torch - Oxygen Regulator	
	Manual Oxyfuel Gas Cutting Torch - Part Repair/Replacement Kit	
	Manual Oxyfuel Gas Cutting Torch Accessories	
	Mechanical Drafting Equipment	
	Metal Moving Equipment (Forklift or Pallet Jack)	
	Oxyfuel Burning Table with Dross Pan and Replacable Slats	
	Oxygen Cutting Gas	
	Pipe Beveling Machine - Flame Cutting	
	Plasma Arc - Air Regulator	
	Plasma Arc - Consumable Parts Kit	
	Plasma Arc - DC CC 300 Amp @ 60	
	Plasma Arc - Part Repair/Replacement Kit	
	Plasma Arc - Torch (25', Low Volt, Air)	
	Protective Screens	
	Saw (Abrasive Cut-Off)	
	Saw (Band)	
	Shielded Metal Arc - 25' 2/0 Electrode Cable	
	Shielded Metal Arc - 25' 2/0 Workpiece Cable	
	Shielded Metal Arc Welder	
	Tensile Testing Machine with Guided Bend Tester	
	TV/VCR	

Large Equipment/Trainers (Individual Items $1000+)

Quantity	Item	Source
	A-Frame Crane	
	Flux Cored Arc - CV or CP 300 Amp @ 100% Duty Cycle	
	Flux Cored Arc - Wire Feeder	
	Gas Metal Arc - Wire Feeder	
	Gas Metal Arc Welder	

	Gas Tungsten Arc - AC/DC CC 300 Amp	
	Ironworker (Min 50 Ton)	
	LCD Projector	
	Multi-Process Welder (300 Amp, Gas or Diesel, Portable)	
	Overhead Monorail 2-Ton Lift	
	Saw (Horizontal Band)	
	Shear (1/4" Capacity)	
	Ventilation Equipment	
	Vertical Milling Machine	
	Welding Table with Weld Position	

Welding

WLD 171 **Blueprint Reading for Welding Lab**

Program Area General Equipment/Supplies

Quantity	Item	Source
	See List for WEL 170	

Welding

WLD 225 **SMAW Open Groove Lab**

Program Area General Equipment/Supplies

Quantity	Item	Source
	See List for WEX 120	

Welding

WPP 200 **Workplace Principles**

Supplies (Consumables)

Quantity	Item	Source
	Application Forms	
	Clerical Supplies	
1 per student	Diskettes	
	Employment Tests	
	Envelopes	
	File Folders/Labels	
	Ink Cartridges	
	Paper	
	Paper Clips	
	Pens	
	Resume Paper	
	Telephone Books	

Supplies (Nonconsumables)

Quantity	Item	Source
20	Calculators	
	Paper Cutter	

Small Equipment/Trainers (Individual Items $100-$999)

Quantity	Item	Source
	Binder Machine	
	Camcorder	
	CD Writer	
	Digital Camera	
	Dry Erase Board	
	Filing Cabinets	
1	Overhead Projector	
	Paper Shredder	
	Printer(s)	
	Scanner	
	TV/VCR or TV/DVD	

Large Equipment/Trainers (Individual Items $1000+)

Quantity	Item	Source
	Color Printer	
20	Computer Stations	
1	Mulitmedia Projector	

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DATE: APRIL 20TH, 2012

KENTUCKY TECH ATC

Total Cost: $233,060.83

Program: Welding

Item	Number Requested	Cost(each)	Total Cost
Allen or Hex Wrench Set - 18 piece set	1	30.95	30.95
Anvil (150 lb)	1	210.00	210.00
Bandsaw Portable Milwaukee LC085446	1	450.00	450.00
Bandsaw 10 X 16 Horizontal Miter Cut Off 220/440V 3 phase 2 HP	1	6,500.00	6,500.00
Bench Vice - Columbian D6	3	233.00	699.00
Burning Goggles or Face Shield (#5 Filter Plate/Lens) Sellstrom 39150	20	24.60	492.00
Burning Goggles or Face Shield(Clear Cover Plate/Lens) Sellstrom 39140	5	17.20	86.00
Calculator	20	6.00	120.00
Capes	10	37.75	377.50
C-Clamps 8"	20	20.66	413.20
Center Punch	5	6.00	30.00
Cold Chisel set 26 pcs	2	129.95	259.90
Combination Square Set	8	10.45	83.60
Drill Magnum	2	155.00	310.00
Drill Press - 115 Volt - Tool Crib Delta 16 1/2	1	1,499.00	1,499.00
Face Shield #89374409	24	6.46	155.04
English/Metric Steel Bench Rule 12" BG	15	22.45	336.75
File Card and Brush	4	14.95	59.80
Fillet Gage	2	35.00	70.00
Grinder (Pedestal,12" or 14" - 8" 3 HP	1	1,898.00	1,898.00
Grinder (Right Angle) - Porter Cable	4	205.00	820.00
Grinders and Accessories (8"-12") Baldor 115V 1/2 HP	2	399.00	798.00
Grinding Wheels(General Purpose/Aluminum) Dressing Tool	2	18.50	37.00
Hammer (Ball Peen-16 OZ)	5	20.15	100.75
Hammer (Chipping) Marquette M25-710	15	10.40	156.00
Metal Scribe	2	22.35	44.70
Needle Nose Pliers 6"	6	19.95	119.70
Pipe Wrenches 10", 18" 24" Lowes	3	33.00	99.00

Pliers(Combination 6"-10")(Channellock) Tool Crib	4	9.24	36.96
File 12" Smooth Cut Flat	2	7.81	15.62
File 12" Round Coarse	2	11.52	23.04
File 12" Bastard Cut Flat	2	11.51	23.02
File 12" Coarse Cut Half Round	2	27.04	54.08
Rule (Steel-25') Lowes	10	20.00	200.00
Saw Wheel-Abrasive Cut-Off 12"	2	18.50	37.00
Screwdrivers (Phillips & Flat) Sets Sears	2	29.99	59.98
Shop Stools 18"	20	43.30	866.00
Shop Vac	1	110.00	110.00
Snips Set(Aviation,Tin,Metal)	2	29.99	59.98
Socket Set(Metric & Standard)Mfg Model#35137 Craftsman	1	99.99	99.99
Storage Cabinets	3	209.00	627.00
Tank Wrench	5	5.85	29.25
Tape Measure (Steel-Min 10')	10	20.00	200.00
DVD Player 110 Volt	1	179.00	179.00
Vice Grip Clamps 10" Vise Grip 11SP	10	19.70	197.00
Vice Grips Set (Irwin) Tool Crib	6	32.00	192.00
Welding Helmet Sellstrom 29911-10	20	36.00	720.00
Wire Brushes	18	9.00	162.00
Workbench(Wood Steel Combination) Midwest 562326 mfg. WCC-2	2	1,800.00	3,600.00
Ear Plugs 200 pair MSC # 00922674	2	29.81	59.62
Mig Welders Power Mig 255 Flux core Welders	14	3,100.00	43,400.00
TIG Welders Precision TIG 275 and accessories	13	5,700.00	74,100.00
Scotchman (Ironworker) (50 TON)	1	14,000.00	14,000.00
Classroom Performance System (CPS)	1	2,500.00	2,500.00
PlasmaCAM Model DHC Cutting System w/Software - www.plasmacam.com	1	14,880.00	14,880.00
Hypertherm Plasma Cutter Powermax 1000 (60 amps,<3/4"steel	2	4,345.00	8,690.00
200-0R-4L36-540 Manifold Simplex w/36" Pigtails 0x4 Configuration - Oxygen (Part #4700581)	1	2,283.20	2,283.20
3510-125 RH - Oxygen Manifold Regulator (Part #3003549	1	494.00	494.00
200-OR-4L36-510 Manifold Simplex 2/36" Pigtails 0x4 Configuration, Flashback Arrestors Installed on the Pigtails-Acetylene (Part #4700580)	1	2,955.20	2,955.20
3510-15 LH - Fuel Gas Manifold Regulator (Part #3003547)	1	534.00	534.00
Acetylene Hydraulic Flashback Arrestor - 300CFH Capacity - 1"NPT (Part #4300350)	1	2,763.00	2,763.00
Floor Stand for the 4300350 Flashback Arrestor (Part #4300357)	1	236.00	236.00
447-15NC-CL Fuel Gas Station Regulator (Part #4000549)	12	259.00	3,108.00
447-50-CR Oxygen Station Regulator (Part #4000553)	11	259.00	2,849.00

447-125-CR Oxygen Station Regulator (Part #4000555)	1	199.00	199.00
16 Welding Handle (Part # 1401016)	12	258.00	3,096.00
H-16-2E Mixer (Part #9100787)	12	73.00	876.00
23A90-2 Welding Tip (Part #1600860)	24	33.00	792.00
3/16 x 12" Twinline Hose (Part #4300556)	12	60.00	720.00
Harris Straight Line Cutting Machine with 8' Track (Part #4300950)	1	3,281.00	3,281.00
98-6ER-32 Acetylene Machine Torch - 2 Hose /10" Barrel Part #1101425)	1	776.00	776.00
3/16 x 20' Twinline Hose (Part #4300551)	1	50.00	50.00
6290-0 Acetylene Cutting Tip (Part #1500830)	6	32.00	192.00
Steelworker 8525-510-DLX Welding and cutting Outfit (Part #4403069)	2	545.00	1,090.00
Flashback Arrestors - Regulator - Pair (Part #4301651)	12	140.00	1,680.00
Quick-Connects - Torch - Pair (SS Pins) (Part #4301654)	12	160.00	1,920.00
Quick-Connects - Regulator - Pair (SS Pins) (Part #4301653)	12	181.00	2,172.00
1/4" Shear 48" National Part#MSC 09531237	1	27,398.00	27,398.00
Stinger Kit # K2374-1electrode holder and cable	12	77.00	924.00
Canon Powershot Digital Camera (Model #SD550)	1	599.00	599.00
Total Estimated cost			242,364.83
Justification			
The items listed are for new Welding Programs.			
Welding Instructor Salary			