Arizona Department of Education Career and Technical Education

Recommended Equipment List

Program: CIP#: Construction Technologies 46.0400.20

NOTE: The following items and descriptions are the recommended equipment guidelines for each **CTE Construction Technologies** program. Please note that this list of recommended items does not necessarily need to be supported financially by Federal Perkins or State Priority funding sources. In many cases, local school district funds are used to purchase items on a regular basis (i.e. furniture, consumables, etc.) Further, please understand that this is not an exhaustive list.

Please contact ADE-CTE Program Specialist for Construction Science Technologies, Jamie Miller (Jamie.Miller@azed.gov), if you have questions regarding the appropriateness of any item you are considering for addition to your **CTE Construction Technologies** program.

Recommended Equipment and Software		
Item	Items	
	Highest Priority*	
	MUST HAVE	
Safety glasses with side shields Z87	8"-10: concrete finishing trowel	
Set of cold chisels	Steel concrete edger	
Architect / engineer scale	Floor broom	
16' - 30' push pull tape	Workbench brush	
100' tape measure	Drill bits with index - 1/16"-1/4" HS	
16-20 oz. smooth-faced trim hammer	2", 4", 6", 8" and 12" drywall taping knives	
22-24 oz. framing hammer	Circular saw 7-1/4" with combination blade	
8 point handsaw	Cordless drill or drill / impact driver combo kit	
2' level	Drywall hammer	
4' Level	4' T-square	
Rulers-straight edge, standard, metric	Work bench	
Screwdrivers - Phillips & regular	Safety / hazard / exit signs	
3-1/2" brick chisel	Channel-lock pliers	
Set of 4 wood chisels: 1/4", 1/2", 3/4" and 1"	Dust masks - 3M - Model 8210, for insulation	
Speed square	Extension cord - grounding type - 50'minimum	
100' chalk box	Round shovel	
Utility knife and blades- hook bill, straight	Pointed shovel	
Cat's paw	Work gloves	
Framing square (with rafter tables)	Transit level or builder's level	
Bars - wrecking bar, wonder bar, flat, chisel	Range pole	
12-oz. or heavier plumb bob	Tripod	
8" adjustable end wrench	Wheel barrow	
6" locking C-clamp pliers	Concrete trowels	
Aviation snips (tin snips)	Masonry trowels	
Combination square	Mortar hoe	
Mud pan	Mortar boards	
Drywall rasp	Raker	
Drywall jab saw	Masonry brushes	

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wire brush	Reciprocating saw	
Hacksaw with blades	Plumber's drill set	
Spade bit set (1/4", 3/8", 1/2", 5/8", 3/4",	Fiberglass ladders (6')	
7/8",1")		
6' Standard Brick Mason's Folding Rule	Extension ladder	
9 - 11" brick trowel	Sawhorses	
Mason's line blocks	Handsaw, crosscut, ripping	
100' braided nylon mason's line	Caulking gun	
Brick hammer 18 – 24 oz.	Pair stair gauges	
Jointer – Masonry 1/2" x 5/8"	Propane torch handle and tank	
Square shovel	Conduit bender	
16" magnesium concrete float	Tubing, pipe cutters	
Non-adjustable wrenches	Slip joint pliers	
Miter box	Various clamps	
Files - round, flat, triangle, rat-tail, square	Simple circuit tester	
File card 3-1/2"	brick chisel	
Rasp	Rubber mallet	
Wire stripper	Wood mallet	
Cable stripper	Variety of wrenches	
Lineman's pliers	Drywall screw gun	
Diagonal cutters	Sockets / ratchet	
Needle nose pliers	Scratch awl	
Pipe wrench	Pressure gauge	
	High Priority*	
REALLY SHOULD HAVE		
Nail bags	Staple gun	
YELLOW hard hat - type AB	Portable jigsaw / sabersaw	
Pipe stand	PVC ratchet cutter	
Pneumatic nailer	PEX insert and crimp-ring system	
Pneumatic finish nailer	PEX tubing cutter	
Manual screed	PEX hand-crimping tool	
Bullfloat	Variety of plumbing wrenches	
Concrete jointer / groover	Basin, spud, seat, crescent, basket	
Safety harness w/ lanyard	Shower valve socket wrench,	
Block chisel set	Smooth-jawed crescent	
Brick chisel set	Circle cutter	
Compound miter saw	T-brace-drywall	
Table saw	Mud masher / mixer	
Panel saw	Jointer trowels-drywall	
Pex ring expander tool	Pole sander	
Go-no-go gauge	Sand blocks	
Pipe vise	Nail spotter	

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Rebar bender / hickey bar Hand truck	Sledrunner	Pallet jack
	Bolt cutter	Material flat cart
Sand blaster portable	Rebar bender / hickey bar	Hand truck
And Ender Portable	Sand blaster portable	

*NOTE:

Tool list developed from NCCER curriculum modules for Carpentry and Southwest Carpenter's Training Fund online

Suggested tools and equipment