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# Construction Studies/Wood Technology

Equipment List, Specifications and  
Tendering Guidance

# Tendering Guidance

Important Notes to School's /ETB's seeking the items from this list:

1. Utilise existing procurement arrangements with suppliers/service providers where available
2. Search [www.ogp.gov.ie](http://www.ogp.gov.ie) to check if there is a suitable, fit for purpose framework/contract in place for all or some of the items required.
3. Choose to seek a request for quotation (RFQ), below the value of 25k, or a request for tender (RFT), above the value of 25k, based on best value for money using both qualitative and cost criteria. All procurement over the value of €25,000 must be advertised and published on [www.etenders.gov.ie](http://www.etenders.gov.ie).
4. Seek quotations based on the items that can be competitively quoted from multiple suppliers based on the estimated level of spend following the procurement guidelines. For more advice on the procurement guidelines contact the Schools Procurement Unit ([www.spu.ie](http://www.spu.ie)) or Education Training Board with whom you are associated (list of ETBs on [www.etbi.ie](http://www.etbi.ie)).
5. Suppliers may not be able to provide the full range of goods listed. In this case they should be requested to quote only for sections where they can supply all items in that section (excluding the equipment where a framework is in place such as CS/B/201).
6. The specifications outlined in this document have been reviewed to ensure products of the highest quality are supplied. Substandard equipment should not be proposed or accepted under any circumstances and suppliers should be asked to replace these to the same standard set out or higher. Schools are advised to check this as part of the assessment before finalising the overall scores. In addition to pricing each item, suppliers must also specify the warranty being offered for each item.
7. All quotations must be excluding VAT with the VAT highlighted separately.
8. Contact the School Procurement Unit or your ETB for further specific guidance.

# Construction Studies/Wood Technology

## Equipment List A

### Section 1: Geometric, Drawing and Marking Out Tools

Code Quantity	Description and Specification	Cost (€) & Warranty Offered
CS/A/101 1	Set of (magnetic) drawing equipment, for (magnetic) chalkboard, to include (i) compass with steel point (500 mm), (ii) 60°/30° set square (500 mm), (iii) 45° set square (500 mm), (iv) protractor (425 mm) and (v) heavy duty rule with bevelled edges (1000 mm).	
	Manufacturer: _____ Catalogue No.: _____	
CS/A/102(A) 24 right handed, 6 left handed	T-squares: A2 size, tape blade, best quality hardwood, with maple or acrylic edges to blade; blade screwed and dowelled to stock or equal.	
	Manufacturer: _____ Catalogue No.: _____	
<b>OR</b>		
CS/A/102(B) 24 right handed, 6 left handed	Stainless steel T-square with fixed light cast aluminium head, brushed blade with low reflectance.	
	Manufacturer: _____ Catalogue No.: _____	
CS/A/103 25	Portable Desktop Drawing Board, A2 size, solid core/particle board/multi-ply, white high pressure laminate above and below, pvc edges and square corners, with rubber feet. Simple robust mechanism to allow use at 0° and 20°, with rubber tractor grip.	
	Manufacturer: _____ Catalogue No.: _____	
CS/A/104 25	Graphics/DCG wooden box set, to come with 4" acrylic protractor, 60°/30° & 45° Set Squares (transparent heavy duty, non-brittle plastic, with bevelled edge and open centre. Sizes: 200 mm, 2 mm thick), quickset adjustable compass, H and 2H pencils, Vinyl eraser, Metal sharpener and Clips.	
	Manufacturer: _____ Catalogue No.: _____	
CS/A/105 1	1000mm Steel rule.	
	Manufacturer: _____ Catalogue No.: _____	
CS/A/106 24	Scaled rule, acrylic, 300 mm, suitable for graphics/drawing.	
	Manufacturer: _____ Catalogue No.: _____	
CS/A/107 25	300mm Steel rule.	
	Manufacturer: _____ Catalogue No.: _____	
CS/A/108 1	Circle template, acrylic type, c.2 mm to 50 mm diameter circles.	
	Manufacturer: _____ Catalogue No.: _____	
CS/A/109 1	Flexi-curve, suitable for technical graphics work.	
	Manufacturer: _____ Catalogue No.: _____	
CS/A/110 1	French curves, set of three, moulded plastic with ellipse form.	
	Manufacturer: _____ Catalogue No.: _____	
CS/A/111 1	Erasing shield, stainless steel type.	
	Manufacturer: _____ Catalogue No.: _____	
CS/A/112 2	50m Surveyor's fibre measuring tape.	
	Manufacturer: _____ Catalogue No.: _____	

CS/A/113 25	Cutting knife, scalpel type with disposable blades.		
	Manufacturer:	Catalogue No.:	
CS/A/114 25	Cutting mat, A3 size, plastic, self-repairing.		
	Manufacturer:	Catalogue No.:	
CS/A/115 25	Small whiteboard, A3 size, gridded, with 4 drywipe pens and eraser.		
	Manufacturer:	Catalogue No.:	
CS/A/116 2	Scissors 250mm stainless steel.		
	Manufacturer:	Catalogue No.:	
CS/A/117 24	Scissors 140mm		
	Manufacturer:	Catalogue No.:	
CS/A/118 2	Spray mount 400ml.		
	Manufacturer:	Catalogue No.:	
CS/A/119 6 of each	Ready mixed water-soluble paint 500ml (red, green, brown, black, blue, yellow, white).		
	Manufacturer:	Catalogue No.:	
CS/A/120 10	White foam board 3mm thick, 70x100cm.		
	Manufacturer:	Catalogue No.:	
CS/A/121 1	5m Pocket measuring tape with 19mm blade.		
	Manufacturer:	Catalogue No.:	
CS/A/122 12	Glue guns and 100 glue sticks.		
	Manufacturer:	Catalogue No.:	
CS/A/123 24	150mm Rosewood-stocked try square.		
	Manufacturer:	Catalogue No.:	
CS/A/124 2	300mm Rosewood-stocked try square.		
	Manufacturer:	Catalogue No.:	
CS/A/125 4	300mm long contour gauge, 50mm max. profile approx.		
	Manufacturer:	Catalogue No.:	
CS/A/126 6	150mm Aluminium mitre template.		
	Manufacturer:	Catalogue No.:	
CS/A/127 2	250mm Mitre Square, hardwood stock, 45 & 135 degrees, high quality.		
	Manufacturer:	Catalogue No.:	
CS/A/128 24	250mm Beech marking gauge, min. 10 year warranty.		
	Manufacturer:	Catalogue No.:	
CS/A/129 12	200mm Rosewood mortice gauge.		
	Manufacturer:	Catalogue No.:	
CS/A/130 6	250mm Beech cutting gauge, min. 10 year warranty.		
	Manufacturer:	Catalogue No.:	
CS/A/131 12	225mm Rosewood sliding bevel, 10 year warranty.		
	Manufacturer:	Catalogue No.:	

## Section 2: Handsaws and Chisels

Code Quantity	Description and Specification	Cost (€) & Warranty Offered
CS/A/201 24	Beech bench hooks.	
	Manufacturer:                      Catalogue No.:	
CS/A/202 24	300mm Beech-handled tenon saw, brass back, min. 10 year warranty	
	Manufacturer:                      Catalogue No.:	
CS/A/203 12	200mm Beech-handled dovetail saw, brass back, min. 10 year warranty.	
	Manufacturer:                      Catalogue No.:	
CS/A/204 1	450mm Panel saw.	
	Manufacturer:                      Catalogue No.:	
CS/A/205 1	550mm Cross-cut handsaw.	
	Manufacturer:                      Catalogue No.:	
CS/A/206 1	600mm Ripsaw.	
	Manufacturer:                      Catalogue No.:	
CS/A/207 24	Coping saw with 150mm blade.	
	Manufacturer:                      Catalogue No.:	
CS/A/208 1	250mm Pad saw.	
	Manufacturer:                      Catalogue No.:	
CS/A/209 1	350mm Compass saw.	
	Manufacturer:                      Catalogue No.:	
CS/A/210 1	200mm Fixed-blade razor saw.	
	Manufacturer:                      Catalogue No.:	
CS/A/211 24	3mm Bevel-edged chisel, min. 10 year warranty.	
	Manufacturer:                      Catalogue No.:	
CS/A/212 24	6mm Bevel-edged chisel, min. 10 year warranty.	
	Manufacturer:                      Catalogue No.:	
CS/A/213 24	10mm Bevel-edged chisel, min. 10 year warranty.	
	Manufacturer:                      Catalogue No.:	
CS/A/214 24	12mm Bevel-edged chisel, min. 10 year warranty.	
	Manufacturer:                      Catalogue No.:	
CS/A/215 24	18mm Bevel-edged chisel, min. 10 year warranty.	
	Manufacturer:                      Catalogue No.:	
CS/A/216 24	25mm Bevel-edged chisel, min. 10 year warranty.	
	Manufacturer:                      Catalogue No.:	
CS/A/217 6	3mm Firmer chisel, min. 10 year warranty.	
	Manufacturer:                      Catalogue No.:	
CS/A/218 6	6mm Firmer chisel, min. 10 year warranty.	
	Manufacturer:                      Catalogue No.:	
CS/A/219 6	10mm Firmer chisel, min. 10 year warranty.	
	Manufacturer:                      Catalogue No.:	
CS/A/220 6	12mm Firmer chisel, min. 10 year warranty.	
	Manufacturer:                      Catalogue No.:	

CS/A/221 6	18mm Firmer chisel, min. 10 year warranty.		
	Manufacturer:	Catalogue No.:	
CS/A/222 6	25mm Firmer chisel, min. 10 year warranty.		
	Manufacturer:	Catalogue No.:	
CS/A/223 24	6mm Mortice chisel, min. 10 year warranty.		
	Manufacturer:	Catalogue No.:	
CS/A/224 24	10mm Mortice chisel, min. 10 year warranty.		
	Manufacturer:	Catalogue No.:	
CS/A/225 24	13mm Mortice chisel, min. 10 year warranty.		
	Manufacturer:	Catalogue No.:	

### Section 3: Turning and Carving Tools

Code Quantity	Description and Specification	Cost (€) & Warranty Offered
CS/A/301 1	Lathe long hole boring kit, min. 10 year warranty.	
	Manufacturer:                      Catalogue No.:	
CS/A/302 8	6mm Turning gouge, min. 10 year warranty.	
	Manufacturer:                      Catalogue No.:	
CS/A/303 8	12mm Turning chisel, min. 10 year warranty.	
	Manufacturer:                      Catalogue No.:	
CS/A/304 8	18mm Turning chisel, min. 10 year warranty.	
	Manufacturer:                      Catalogue No.:	
CS/A/305 8	12mm Skew end turning chisel, min. 10 year warranty.	
	Manufacturer:                      Catalogue No.:	
CS/A/306 8	18mm Skew end turning chisel, min. 10 year warranty.	
	Manufacturer:                      Catalogue No.:	
CS/A/307 8	25mm Skew end turning chisel, min. 10 year warranty.	
	Manufacturer:                      Catalogue No.:	
CS/A/308 8	3mm Parting chisels, min. 10 year warranty.	
	Manufacturer:                      Catalogue No.:	
CS/A/309 8	6mm Parting chisels, min. 10 year warranty.	
	Manufacturer:                      Catalogue No.:	
CS/A/310 8	12mm Carving gouge-straight, full size, no.7 sweep, min. 10 year warranty.	
	Manufacturer:                      Catalogue No.:	
CS/A/311 8	12mm Carving gouge-short curved, no.27 sweep, min. 10 year warranty.	
	Manufacturer:                      Catalogue No.:	
CS/A/312 6	Lathe Pen turning kit: Kit to include: Dust free Collet, Colt HSS-M2 Parabolic fluted 7 x 150mm drill bit, Universal pen mandrel, Locknut kit, Pen Blank trimming tool, minimum 5 high quality pen kits, 7 & 10mm spacers to suit most sizes of pen kit.	
	Manufacturer:                      Catalogue No.:	
CS/A/313 8	200mm Calipers (4/outside and 4/inside).	
	Manufacturer:                      Catalogue No.:	
CS/A/314 1	Set of 8 double ended 200mm Carving Riffles.	
	Manufacturer:                      Catalogue No.:	

CS/A/315 6	Set of 12 full size (blade 125mm approx.) carving chisels comprising - 1/14 mm Sweep no.1 straight chisel 1/6 mm Sweep no.2 skew chisel 1/14 mm Sweep no.5 straight gouge 1/16 mm Sweep no.5 straight gouge 1/3 mm Sweep no.6 straight gouge 1/10 mm Sweep no.6 straight gouge 1/6 mm Sweep no.7 straight gouge 1/14 mm Sweep no.8 straight gouge 1/2 mm Sweep no.11 straight gouge 1/6 mm Sweep no.39 'vee' tool 1/6 mm Sweep no.14 long curved gouge 1/3 mm Sweep no.21 short curved gouge, or similar.  European sweep numbers, min. 10 year warranty. Manufacturer: _____ Catalogue No.: _____	
CS/A/316 6	Set of 6 assorted pattern chip carving knives, min. 10 year warranty. Manufacturer: _____ Catalogue No.: _____	
CS/A/317 6	Set of 6 assorted pattern carver's grounding punches. Manufacturer: _____ Catalogue No.: _____	
CS/A/318 1	Veneering hammer. Manufacturer: _____ Catalogue No.: _____	



### Section 4: Hand Planes, Knives & Oilstones

Code Quantity	Description and Specification	Cost (€) & Warranty Offered
CS/A/401 1	Plough plane & set of cutters, min. 10 year warranty.	
	Manufacturer:                      Catalogue No.:	
CS/A/402 2	170mm Block plane with 40mm cutter, min. 10 year warranty.	
	Manufacturer:                      Catalogue No.:	
CS/A/403 2	Shoulder plane, min. 10 year warranty.	
	Manufacturer:                      Catalogue No.:	
CS/A/404 1	Rebate plane, min. 10 year warranty.	
	Manufacturer:                      Catalogue No.:	
CS/A/405 12	380mm Steel jack planes with 60mm cutters, min. 10 year warranty.	
	Manufacturer:                      Catalogue No.:	
CS/A/406 12	260mm Steel smoothing plane with 50mm cutter, min. 10 year warranty.	
	Manufacturer:                      Catalogue No.:	
CS/A/407 6	Adjustable metal convex (flat) spokeshave, min. 10 year warranty.	
	Manufacturer:                      Catalogue No.:	
CS/A/408 6	Adjustable metal concave (curved) spokeshave, min. 10 year warranty.	
	Manufacturer:                      Catalogue No.:	
CS/A/409 2	Cabinet scrapers.	
	Manufacturer:                      Catalogue No.:	
CS/A/410 1	Burnishing tool.	
	Manufacturer:                      Catalogue No.:	
CS/A/411 6	250mm Standard flat cut rasp/planer file.	
	Manufacturer:                      Catalogue No.:	
CS/A/412 6	250mm Fine flat cut rasp/planer file.	
	Manufacturer:                      Catalogue No.:	
CS/A/413 6	250mm Standard half round rasp/planer file.	
	Manufacturer:                      Catalogue No.:	
CS/A/414 6	250mm Fine half round rasp/planer file.	
	Manufacturer:                      Catalogue No.:	
CS/A/415 6	250mm Standard round rasp/planer file.	
	Manufacturer:                      Catalogue No.:	
CS/A/416 6	250mm Fine round rasp/planer file.	
	Manufacturer:                      Catalogue No.:	
CS/A/417 24	Marking knives, min. 10 year warranty.	
	Manufacturer:                      Catalogue No.:	
CS/A/418 24	Scalpels with replaceable blades.	
	Manufacturer:                      Catalogue No.:	
CS/A/419 1	Retractable blade knives.	
	Manufacturer:                      Catalogue No.:	
CS/A/420 24	Cork sanding blocks.	
	Manufacturer:                      Catalogue No.:	

## Section 5: Percussion Tools, Screwdrivers, Pincers & Pliers

Code Quantity	Description and Specification	Cost (€) & Warranty Offered
CS/A/501 24	100mm Beech carpenter's / joiner's mallet, min. 10 year warranty.	
	Manufacturer:                      Catalogue No.:	
CS/A/502 6	Beech carvers mallet-head 100 dia. length 250mm approx., min. 10 year warranty.	
	Manufacturer:                      Catalogue No.:	
CS/A/503 4	c.0.45 kg (16oz) claw hammer.	
	Manufacturer:                      Catalogue No.:	
CS/A/504 1	0.57 kg (20oz) claw hammer.	
	Manufacturer:                      Catalogue No.:	
CS/A/505 24	12oz Warrington (cross-pein) hammer, min. 10 year warranty.	
	Manufacturer:                      Catalogue No.:	
CS/A/506 4	4oz Pin hammer.	
	Manufacturer:                      Catalogue No.:	
CS/A/507 2	100mm Square head nail punch - 1.5mm point.	
	Manufacturer:                      Catalogue No.:	
CS/A/508 2	100mm Pin punch - 1mm point.	
	Manufacturer:                      Catalogue No.:	
CS/A/509 1	1.35kg Club (lump) hammer.	
	Manufacturer:                      Catalogue No.:	
CS/A/510 1	Heavy duty hammer tacker (Stapler), min. 10 year warranty.	
	Manufacturer:                      Catalogue No.:	
CS/A/511 2	200mm Cabinet pattern screwdriver with 8mm tip	
	Manufacturer:                      Catalogue No.:	
CS/A/512 2	150mm Cabinet pattern screwdriver with 8mm tip.	
	Manufacturer:                      Catalogue No.:	
CS/A/513 6	100mm Plastic-handled Screwdriver with 6mm flared tip.	
	Manufacturer:                      Catalogue No.:	
CS/A/514 12	100mm Pozidriv Pz1 Plastic-handled Screwdriver.	
	Manufacturer:                      Catalogue No.:	
CS/A/515 12	100mm Pozidriv Pz2 Plastic-handled Screwdriver.	
	Manufacturer:                      Catalogue No.:	
CS/A/516 2	6 Piece Sets Crosshead/Slotted Screwdrivers comprising - 1/plastic- handled 150 mm flared-tip 1/ plastic-handled 100 mm parallel-tip 1/ plastic-handled 75 mm parallel-tip 1/ plastic-handled Pz0 1/ plastic-handled Pz1 1/ plastic-handled Pz2	
	Manufacturer:                      Catalogue No.:	
CS/A/517 12	Plastic-handled Bradawl, min. 10 year warranty.	
	Manufacturer:                      Catalogue No.:	
CS/A/518 2	Beech / Boxwood-handled Gimlet.	
	Manufacturer:                      Catalogue No.:	

CS/A/519 2	200mm Lancashire Pattern Pincers, boxwood-handled gimlet.		
	Manufacturer:	Catalogue No.:	
CS/A/520 1	300mm Straight Tinsnips.		
	Manufacturer:	Catalogue No.:	
CS/A/521 4	Sleeved, Engineering Pliers comprising - 1/200 mm Standard Combination 1/200 mm Long-Nosed 1/200 mm Diagonal Cutting 1/150 mm Standard Combination		
	Manufacturer:	Catalogue No.:	
CS/A/522 1	250mm Straight Jaw-Locking Vice Grips.		
	Manufacturer:	Catalogue No.:	

## Section 6: Wood boring Bits, Drills & Braces

Code Quantity	Description and Specification	Cost (€) & Warranty Offered
CS/A/601 1	Set Brace Auger Bits comprising - 1/6 mm 1/8 mm 1/10 mm 1/13 mm 1/16 mm 1/19 mm 1/22 mm	
	Manufacturer: _____ Catalogue No.: _____	
CS/A/602 1	12mm Flat/Improved Pattern Centre Bit.	
	Manufacturer: _____ Catalogue No.: _____	
CS/A/603 12	18mm Flat/Improved Pattern Centre Bit.	
	Manufacturer: _____ Catalogue No.: _____	
CS/A/604 1	300mm Sweep Ratchet Brace.	
	Manufacturer: _____ Catalogue No.: _____	
CS/A/605 1	Double Pinion Hand Drill with 8 mm Chuck Capacity.	
	Manufacturer: _____ Catalogue No.: _____	
CS/A/606 2	4Sets Drill Bits for Metal and Plastic comprising - 1 - 13mm HSS	
	Manufacturer: _____ Catalogue No.: _____	
CS/A/607 2	Sets Drill Bits for Wood comprising - 2/3 mm 1/4 mm 1/5 mm 1/6 mm 1/8 mm 1/10 mm	
	Manufacturer: _____ Catalogue No.: _____	
CS/A/608 2	12mm Countersink Drill Bits.	
	Manufacturer: _____ Catalogue No.: _____	
CS/A/609 1	Set Forstner High Speed Bit Set.	
	Manufacturer: _____ Catalogue No.: _____	

## Section 7: Vices, Cramps, Spanners and Plumbing

Code Quantity	Description and Specification	Cost (€) & Warranty Offered
CS/A/701 12	900mm Sash Cramps, heavy duty, min. 10 year warranty.	
	Manufacturer: _____ Catalogue No.: _____	
CS/A/702 12	1200mm Sash Cramps, heavy duty, min. 10 year warranty.	
	Manufacturer: _____ Catalogue No.: _____	
CS/A/703 8	600mm Sash Cramps, heavy duty, min. 10 year warranty.	
	Manufacturer: _____ Catalogue No.: _____	
CS/A/704 4	Sets of Cramp Heads.	
	Manufacturer: _____ Catalogue No.: _____	
CS/A/705 4	Mitre Cutting/Corner Cramps, min. 10 year warranty.	
	Manufacturer: _____ Catalogue No.: _____	
CS/A/706 8	450mm Quick Grip Clamps, min. 10 year warranty.	
	Manufacturer: _____ Catalogue No.: _____	
CS/A/707 24	150mm Single-Handed Cramps, min. 10 year warranty.	
	Manufacturer: _____ Catalogue No.: _____	
CS/A/708 4	1200mm T Bar Cramp.	
	Manufacturer: _____ Catalogue No.: _____	
CS/A/709 4	Model-maker's 'Hand Vice'.	
	Manufacturer: _____ Catalogue No.: _____	
CS/A/710 1	Fitter's (Metalworking) Vice, min. 10 year warranty.	
	Manufacturer: _____ Catalogue No.: _____	
CS/A/711 2	125 Opening Drill Press Vice, min. 10 year warranty. Not included if supplied with pillar drill CS/B/107	
	Manufacturer: _____ Catalogue No.: _____	
CS/A/712 1	Set of Socket Spanners comprising 1/8 mm 1/9 mm 1/10 mm 1/11 mm 1/12 mm 1/13 mm 1/14 mm 1/15 mm 1/16 mm 1/17 mm 1/19 mm 1/22 mm 1 Ratchet Handle Min. 10 year warranty.	
	Manufacturer: _____ Catalogue No.: _____	
CS/A/713 1	225mm Quick Release Woodworking Bench Vice Robust, close grain cast iron woodworking bench vice fitted with quick release mechanism to allow jaw to slide freely along the buttress thread screw. <b>This item is not for new schools and is intended for replacement of broken vices. Quantity to be approved by F&amp;E on a case-by-case basis</b>	

CS/A/714 1	Set of 12 Spanners consisting 1/8 mm 1/9 mm 1/10 mm 1/11 mm 1/12 mm 1/13 mm 1/14 mm 1/15 mm 1/16 mm 1/17 mm 1/19 mm 1/22 mm Deep-offset pattern ring end - open end set at an angle, min. 10 year warranty.	
	Manufacturer:	Catalogue No.:
CS/A/715 1	Sets of Spanners for Compression Fittings comprising 1/15 mm 1/22 mm 1/28 mm Convex or Similar.	
	Manufacturer:	Catalogue No.:
CS/A/716 1	300mm Stillson Pattern Pipe Wrench	
	Manufacturer:	Catalogue No.:
CS/A/717 1	350mm Chain Type Pipe Wrench	
	Manufacturer:	Catalogue No.:
CS/A/718 1	300mm Hacksaw, min. 10 year warranty.	
	Manufacturer:	Catalogue No.:
CS/A/719 1	200mm Junior Hacksaw, min. 10 year warranty.	
	Manufacturer:	Catalogue No.:
CS/A/720 1	Lazy Tong Pop Riveter	
	Manufacturer:	Catalogue No.:
CS/A/721 1	Adjustable Tap Wrench	
	Manufacturer:	Catalogue No.:
CS/A/722 1	Tap Set (including taper, second and plug) for 6 mm and 8 mm threads, min. 10 year warranty.	
	Manufacturer:	Catalogue No.:
CS/A/723 1	Stock for Circular Split Dies	
	Manufacturer:	Catalogue No.:
CS/A/724 1	Set of Circular Split Dies for 6 mm - 8 mm screw cutting	
	Manufacturer:	Catalogue No.:
CS/A/725 1	Set of 150mm flat, half-round, round, square and triangular double-cut files with handles	
	Manufacturer:	Catalogue No.:
CS/A/726 1	9 Piece Set of Allen Keys comprising 2-10mm.	
	Manufacturer:	Catalogue No.:

## Section 8: Portable Power Tools

Code Quantity	Description and Specification  <b>Note:</b> Portable Tools to be supplied as cordless appliances only Where possible, the same brand to be supplied for all tools to ensure batteries are interchangeable	Cost (€) & Warranty Offered
CS/A/801 1	Min. 18 volt Cordless Router, portable, with charger and two batteries Collet capacity: 10,000 – 30,000/min, Plunge Capacity: Trimmer 0-40mm, Plunge 0-35mm, Collet capacity: 3/8 inch and 1/4 inch  <b>Minimum Two year warranty.</b>	
	Manufacturer: _____ Catalogue No.: _____	
CS/A/802 1	Set of 12 Assorted Router Bits to suit CS/A/801  Manufacturer: _____ Catalogue No.: _____	
CS/A/803 1	c. 400 mm X 400 mm Non-Slip industrial quality Router Mat  Manufacturer: _____ Catalogue No.: _____	
CS/A/804 1	Min. 18 volt Portable Jigsaw with toolcase, with charger and 2 batteries Bevel Capacity: 45°.  <b>Minimum Two year warranty.</b>	
	Manufacturer: _____ Catalogue No.: _____	
CS/A/805 2	Min. 18 volt Portable Orbital Sander with outlet compatible with Dust Extractor, with charger and two batteries.  <b>Minimum Two year warranty.</b>	
	Manufacturer: _____ Catalogue No.: _____	
CS/A/806 1	Min. 18 volt Portable Palm Sander with outlet compatible with Dust Extractor, with charger and two batteries  <b>Minimum Two year warranty.</b>	
	Manufacturer: _____ Catalogue No.: _____	
CS/A/807 1	Min. 18 volt Portable Biscuit Joiner with outlet compatible with Dust Extractor and case, with charger and two batteries, Blade Diameter: 100 mm, Blade Thickness: 4 mm, Hole Diameter: 22 mm.  <b>Minimum Two year warranty.</b>	
	Manufacturer: _____ Catalogue No.: _____	
CS/A/808 1	Portable 12/24/110 V, 50 Hz variable speed Power Wood Carver.  Manufacturer: _____ Catalogue No.: _____	
CS/A/809 8	Portable 12/24/110 V, 50 Hz Pyrograph Machine.  <b>Two year warranty.</b>	
	Manufacturer: _____ Catalogue No.: _____	
CS/A/810 4	Rechargeable, minimum 18 V, Portable Cordless Drill with case, to include charger and two batteries.  <b>Two year warranty.</b>	
	Manufacturer: _____ Catalogue No.: _____	
CS/A/811 1	Airbrush with fine, medium and heavy-duty head assemblies and long air hose for attachment to compressed air canister or air compressor.	
	Manufacturer: _____ Catalogue No.: _____	

CS/A/812 1	Portable oil-less diaphragm type air compressor for use with airbrush. <b>Two year warranty.</b>	
CS/A/813 1	Mini Rotary Tool/Drill 3 mm shaft capacity. <b>Two year warranty.</b>	
CS/A/814 1	38 mm General Purpose Drill Holesaw Kit comprising 1/16 mm 1/20 mm 1/25 mm 1/32 mm 1/40 mm 1/51 mm A1 and A10 Arbors A7 Ejector Spring	
CS/A/815 1	Set of 1/25 mm 1/50 mm 1/75 mm Sanding Drums incorporating an abrasive paper gripping system suitable for mounting into and drill press or power drill.	
CS/A/816 1	10 m, 13 amp, 240 V Extension Cable Reel.	



## Section 9: Electronics Equipment

Code Quantity	Description and Specification <i>Note: This section can be quoted for separately</i>	Cost (€) & Warranty Offered
CS/A/901 6	Plastic Component Box - 15 Grid.	
	Manufacturer: _____ Catalogue No.: _____	
CS/A/902 12	Electric soldering iron, complete with stand and sponge, min. 30 W, 220-240 V  <i>Two year warranty.</i>	
	Manufacturer: _____ Catalogue No.: _____	
CS/A/903 1	Temperature controlled electric soldering iron/station, complete with stand and cleaning sponge, c.50 W, 220-240 V  <i>Two year warranty.</i>	
	Manufacturer: _____ Catalogue No.: _____	
CS/A/904 12	Miniature electronics tool kit, to contain tools such as pliers, snips, wire strippers and screwdrivers, in appropriate case.	
	Manufacturer: _____ Catalogue No.: _____	
CS/A/905 12	Helping-hands for soldering work.	
	Manufacturer: _____ Catalogue No.: _____	
CS/A/906 6	LT variable voltage power supply unit, overload protection. Performance (approx.): DC – 0-25 V (no load) and 24 V (8 A load) AC – 0-25 V (no load) and 24 V (8 A load)  <i>Two year warranty.</i>	
	Manufacturer: _____ Catalogue No.: _____	
CS/A/907 2	De-soldering pump, portable type.	
	Manufacturer: _____ Catalogue No.: _____	
CS/A/908 2	Digital multi-meter, auto-ranging frequency measurement, capacitance measurement and transistor test. Voltage a.c and d.c – c.5 ranges each from 200 mV x 100 mV to 600 V x 1V Current a.c and d.c – c.4 ranges each from 2 mA x 1 mA to 10 x 10 mA Resistance – c.6 ranges from 200 R x 0.01 R to 20 M x 10 K Capacitance – c.5 ranges from 2000 pF x 1 pf to 20 mF 10 nF Frequency – c.5 ranges from 2 kHz x 1 Hz to 20 MHz x 100 kHz Diode test Continuity test Transistor test NPN and PNP  <i>Two year warranty.</i>	
	Manufacturer: _____ Catalogue No.: _____	
CS/A/909 2 rolls of each colour	Single core wire, diameter, c.1.2 mm x c.100m length, to include: Black reels, Red reels, Blue reels.	
	Manufacturer: _____ Catalogue No.: _____	
CS/A/910 2 rolls of each colour	Stranded wire, diameter, c.1.4mm x c.100m length, to include: Black reels, Red reels, Blue reels.	
	Manufacturer: _____ Catalogue No.: _____	
CS/A/911 25	Cable Mounting Sockets 20 Way.	
	Manufacturer: _____ Catalogue No.: _____	

CS/A/912 10 10 10 10	Pack/kit of 4 mm plugs and sockets, to include: 4 mm Plug Red 4 mm Socket Red 4 mm Plug Black 4 mm Socket Black	
Manufacturer:		Catalogue No.:
CS/A/913 20 of each type	Miniature motors; High torque miniature motor (3-6 V), High power, 12 V motor Solar motor.	
Manufacturer:		Catalogue No.:
CS/A/914 50	Motor mount (e.g., self-adhesive) to suit miniature motors detailed in AT/A/915.	
Manufacturer:		Catalogue No.:
CS/A/915 6	Miniature multi-ratio gearbox and motor (clearbox motor), assembled <b>OR</b> in kit form, motor to operate on c.1.5-4.5 V power supply.	
Manufacturer:		Catalogue No.:
CS/A/916 6	Miniature worm drive gearbox with motor, assembled <b>OR</b> in kit form, motor to operate on c.1.5-4.5 V power supply.	
Manufacturer:		Catalogue No.:
CS/A/917 300 of each colour	Standard 5mm LED's, to include Red Yellow Green Clear Flashing	
Manufacturer:		Catalogue No.:
CS/A/918 300 of each colour	Standard 3mm LED's, to include Red Yellow Green Flashing	
Manufacturer:		Catalogue No.:
CS/A/919 25	Handheld, programmable micro-computer Kit. 25 individually-programmable LEDs, 2 programmable buttons, Physical connection pins, Light and temperature sensors, Motion sensors (accelerometer and compass), Wireless Communication, via Radio and Bluetooth, USB interface. It should have the capability to be coded from any web browser in Blocks, Javascript, Python or Scratch. Kit to include USB connector, battery cage and protector case.	
Manufacturer:		Catalogue No.:
CS/A/920 30	All-in-one robotics board (for micro-computer specified in CS/A/919).	
Manufacturer:		Catalogue No.:
CS/A/921 60	Straight single row PCB pin headers, 2.54mm, 36-way (for micro-computer specified in CS/A/919).	
Manufacturer:		Catalogue No.:
CS/A/922 1	Edge connector breakout board (for micro-computer specified in CS/A/919).	
Manufacturer:		Catalogue No.:
CS/A/923 200	Jumper Wires 20cm Male / Female.	
Manufacturer:		Catalogue No.:

CS/A/924 60	Alligator Clip with Pigtail (4 Pack).		
	Manufacturer:	Catalogue No.:	
CS/A/925 30	Right Angle Geared Hobby Motor.		
	Manufacturer:	Catalogue No.:	
CS/A/926 30	Linear Actuator.		
	Manufacturer:	Catalogue No.:	
CS/A/927 30	12 mm Internal Pipe Bending Spring.		
	Manufacturer:	Catalogue No.:	
CS/A/928 30	Mini 180 Degree Resin Gear Servo.		
	Manufacturer:	Catalogue No.:	
CS/A/929 30	Plastic Component Box - 15 Grid.		
	Manufacturer:	Catalogue No.:	
CS/A/930 6	Smart Home Kit, to include temperature sensor, sound sensor, crash sensor, servo, motor (for micro-computer specified in CS/A/919). This kit should be capable of projects such as voice-activated light, smart fan, auto window and water level detector.		
	Manufacturer:	Catalogue No.:	
CS/A/931 5 of each pack	Pack/kit of accessories suitable for electronics work (i.e., push-fit directly to miniature motor shafts): Pack of c.10 plastic wheels, various diameter sizes (e.g., 30mm - 70mm) Pack of c.10 plastic propellers, c.100mm diameter, 2 or 3 blades. Pack of c.10 2mm steel shafting Pack of c.10 3mm steel shafting Pack of c.10 miniature pulleys, various diameter sizes (e.g., 8mm to 25mm) Pack of c.10 plastic gears, various diameter sizes (e.g., 15mm to 40mm) Pack of c.10 miniature worm gears.		
	Manufacturer:	Catalogue No.:	

## Section 10: Brick/Block Laying and Glazing Tools

Code Quantity	Description and Specification	Cost (€) & Warranty Offered
CS/A/1001 1	30m Die-Cast Chalkline	
	Manufacturer:                      Catalogue No.:	
CS/A/1002 1	150mm x 6mm Cold Chisel	
	Manufacturer:                      Catalogue No.:	
CS/A/1003 1	150mm x 12mm Cold Chisel	
	Manufacturer:                      Catalogue No.:	
CS/A/1004 1	200mm x 15mm Cold Chisel	
	Manufacturer:                      Catalogue No.:	
CS/A/1005 1	200mm x 18mm Cold Chisel	
	Manufacturer:                      Catalogue No.:	
CS/A/1006 1	200mm x 25mm Cold Chisel	
	Manufacturer:                      Catalogue No.:	
CS/A/1007 1	225mm X 50mm Bolster Chisel	
	Manufacturer:                      Catalogue No.:	
CS/A/1008 1	Solid Brass Plumb Bob	
	Manufacturer:                      Catalogue No.:	
CS/A/1009 1	250mm Steel, Capped Bricklayer's Trowel	
	Manufacturer:                      Catalogue No.:	
CS/A/1010 1	125mm Steel, Standard Pointing Trowel	
	Manufacturer:                      Catalogue No.:	
CS/A/1011 1	300mm x 300mm Aluminium Hawk	
	Manufacturer:                      Catalogue No.:	
CS/A/1012 1	275mm x 119mm Stainless Steel Plastering Float	
	Manufacturer:                      Catalogue No.:	
CS/A/1013 1	300mm x 125mm Wood Float	
	Manufacturer:                      Catalogue No.:	
CS/A/1014 1	600mm x 400mm x 2.5mm Steel Roofing Square	
	Manufacturer:                      Catalogue No.:	
CS/A/1015 1	Tungsten Carbide Glass Cutter	
	Manufacturer:                      Catalogue No.:	
CS/A/1016 1	Glass Cutter's 'Tee' Square	
	Manufacturer:                      Catalogue No.:	
CS/A/1017 1	50mm Putty Knife	
	Manufacturer:                      Catalogue No.:	
CS/A/1018 1	75mm Putty Knife	
	Manufacturer:                      Catalogue No.:	

## Section 11: Paint Brushes, Sweeping Brushes and Dispensers

Code Quantity	Description and Specification	Cost (€) & Warranty Offered
CS/A/1101 12 of each size	Paint Brushes: 12mm, 25mm, 38mm, 50mm	
	Manufacturer: _____ Catalogue No.: _____	
CS/A/1102 1	Paint Brush Pencil Lark/Crow	
	Manufacturer: _____ Catalogue No.: _____	
CS/A/1103 2	25 mm Paint Brush Fitches consisting of; 1/round, 1/lining, 1/flat and 1/bent	
	Manufacturer: _____ Catalogue No.: _____	
CS/A/1104 1	1350mm Handled Grafting Spade.	
	Manufacturer: _____ Catalogue No.: _____	
CS/A/1105 2	Yard Brush with Handle	
	Manufacturer: _____ Catalogue No.: _____	
CS/A/1106 2	4 Row Heavy Duty Wire Brush	
	Manufacturer: _____ Catalogue No.: _____	
CS/A/1107 1	300mm x 200mm Square Mouth 700mm Handled Shovel	
	Manufacturer: _____ Catalogue No.: _____	
CS/A/1108 1	West Country Pattern Shovel with 1350mm Handle	
	Manufacturer: _____ Catalogue No.: _____	
CS/A/1109 4	600mm Sweeping Brush with Handle. <a href="#">Product available from PPE and First Aid Framework.</a>	
	Manufacturer: _____ Catalogue No.: _____	
CS/A/1110 24	Banister type c.300mm x 50mm flat-backed Bench Brush. Resin set pure bristle. <a href="#">Product available from PPE and First Aid Framework.</a>	
	Manufacturer: _____ Catalogue No.: _____	
CS/A/1111 6	Large Plastic Dust/Litter Bin with Lid capacity c.80 litres. <a href="#">Product available from PPE and First Aid Framework.</a>	
	Manufacturer: _____ Catalogue No.: _____	

## Section 12: Specialist Instruments

Code Quantity	Description and Specification	Cost (€) & Warranty Offered
CS/A/1201 1	Wet & Dry Bulb Hygrometer , c.250mm x 100mm. Plastic moulded with glass reservoir. Relative Humidity chart.	
	<table border="1" style="width: 100%;"> <tr> <td style="width: 50%;">Manufacturer:</td> <td style="width: 50%;">Catalogue No.:</td> </tr> </table>	
Manufacturer:	Catalogue No.:	
CS/A/1202 1	Sound Level Meter, LCD Display 30 dB – 130 dB <b>Two year warranty.</b>	
	<table border="1" style="width: 100%;"> <tr> <td style="width: 50%;">Manufacturer:</td> <td style="width: 50%;">Catalogue No.:</td> </tr> </table>	
Manufacturer:	Catalogue No.:	
CS/A/1203 1	Light Meter, LCD Display (Lux and/or candelas) - resolve to 0.1 Lux <b>Two year warranty.</b>	
	<table border="1" style="width: 100%;"> <tr> <td style="width: 50%;">Manufacturer:</td> <td style="width: 50%;">Catalogue No.:</td> </tr> </table>	
Manufacturer:	Catalogue No.:	
CS/A/1204 1	Automatic Laser Level. Suitable for indoor or outdoor work. With visible laser safe for student use. Accuracy of 6mm at 35mm, 360° rotation, also usable for vertical alignment, heavy duty tripod and protective carrying case and 2m extendable staff. <b>Two year warranty.</b>	
	<table border="1" style="width: 100%;"> <tr> <td style="width: 50%;">Manufacturer:</td> <td style="width: 50%;">Catalogue No.:</td> </tr> </table>	
Manufacturer:	Catalogue No.:	

## Section 13: Safety Equipment

Code Quantity	Description and Specification	Cost (€) & Warranty Offered
CS/A/1301 1	Wall-Mounted First Aid Cabinet c.370mm x c.24mm with hinged door and equipped with minimum 24 person first aid kit. <a href="#">Product available from PPE and First Aid Framework.</a>	
	Manufacturer: _____ Catalogue No.: _____	
CS/A/1302 1	Set of minimum 6 / Laminated wall-mounted assorted Safety Signs. <a href="#">Product available from PPE and First Aid Framework.</a>	
	Manufacturer: _____ Catalogue No.: _____	
CS/A/1303 25	Non-mist Safety Goggles, full ventilation, suitable for use over spectacles, kite marked to BS 2092. <a href="#">Product available from PPE and First Aid Framework.</a>	
	Manufacturer: _____ Catalogue No.: _____	
CS/A/1304 2	Headband and ear cup type ear defenders. To be supplied with two sets of renewable sealing rings and to conform to EN352/BS5108. Attenuation to 20dB required. <a href="#">Product available from PPE and First Aid Framework.</a>	
	Manufacturer: _____ Catalogue No.: _____	
CS/A/1305 1	Clearways face shields with adjustable headbands. Full facial and eye protection while operating machine tools etc. Kite marked to BS2092. <a href="#">Product available from PPE and First Aid Framework.</a>	
	Manufacturer: _____ Catalogue No.: _____	
CS/A/1306 30	Student aprons suitable for workshop use. <a href="#">Product available from PPE and First Aid Framework.</a>	
	Manufacturer: _____ Catalogue No.: _____	
CS/A/1307 1	Soap/hand cream dispenser. <a href="#">Product available from PPE and First Aid Framework.</a>	
	Manufacturer: _____ Catalogue No.: _____	
CS/A/1308 3	Roll of Hazzard Warning Floor Tape, 50x3300mm, Yellow-Black. <a href="#">Product available from PPE and First Aid Framework.</a>	
	Manufacturer: _____ Catalogue No.: _____	
CS/A/1309 1	Industrial wet/dry vacuum; Robust electrical vacuum cleaner for wet and dry use for cleaning up dust, debris or water, minimum 1400-watt motor, minimum 20 litre capacity, Dust class category M rated to EN60335-2-69, for dust with workplace limit values > 0.1 mg/m <sup>3</sup> , to include HEPA Cartridge filter, minimum 3 meter hose, air flow sensor to indicate when the air flow is reduced by a clogged filter, full tank, etc., base includes wheels/castors for easy manoeuvring  Minimum two year warranty	

**Note:** Equipment to be commissioned and training provided where appropriate. Where servicing is required during the warranty period then the cost should be included in the tender price.

## Equipment for Construction Studies/Wood Technology CS/A

Section	Code	Description and Specifications:	Total Cost (€) & Warranty Offered
Section 1	CS/A/101-131	Geometric, Drawing and Marking out Tools	
Section 2	CS/A/201-225	Handsaws and Chisels	
Section 3	CS/A/301-318	Turning and Carving Tools	
Section 4	CS/A/401-420	Hand Planes, Knives and Oilstones	
Section 5	CS/A/501-522	Precision Tools, Screwdrivers etc.	
Section 6	CS/A/601-609	Wood Boring Bits, Drills and Braces	
Section 7	CS/A/701-726	Vices, Cramps, Spanners and Plumbing	
Section 8	CS/A/801-816	Portable Power Tools	
Section 9	CS/A/901-931	Electronics Equipment	
Section 10	CS/A/1001-1018	Brick/Block Laying and Glazing Tools	
Section 11	CS/A/1101-1111	Paint, Sweeping Brushes and Dispensers	
Section 12	CS/A/1201-1204	Specialist Instruments	
Section 13	CS/A/1301-1309	Safety Equipment	

Total (€)	
Add for VAT (€)	
Total amount for List A (€)	



## Standards, Specifications and Conditions

**All Equipment shall be Durable and Safe for School Use.  
Equipment wholly or partly funded from public funds is subject to Inspection by  
Officers from the Department of Education.**

It is essential that tenders for equipment for School Use shall:

- i) Comply fully with the specifications and be durable and safe for School Use.
- ii) Comply fully with the standards as detailed and shall comply fully with European (EN) standards, both established and developing.
- iii) Comply with European electrical standards and CE marking as appropriate.
- iv) Be accompanied by documentation of sufficient detail for full evaluation.
- v) Include the completed and signed certificate of compliance.

Award of a contract is conditional on the production of a current tax clearance certificate.

Failure to comply with the above may result in the tender being deemed null and void.

### Certificate of Compliance with Standards, Specifications & Conditions:

I/We certify that the equipment tendered complies in all respects with the Standards, Specifications and other requirements/conditions specified in this tender document.

I/We hold a current tax clearance certificate.

Company: \_\_\_\_\_

Signed: \_\_\_\_\_ Date: \_\_\_\_\_

Position: \_\_\_\_\_

# Construction Studies/Wood Technology

## Equipment List B

### Section 1: Machine Tools and Storage

Code Quantity	Description and Specification	Cost € & Warranty Offered		
CS/B/101 1	<p>Bandsaw Floor-standing, Min. Cutting Height 310mm, Min. Cutting Width 420mm, Tilting Table to 45 degrees, Rip Fence Aluminium on Cast Iron Mounting with Steel rail, slot in work table to accept mitre guide, mitre guide to be supplied, Upper and Lower Precision Guides in steel, DC Electronic Brake Unit and over load protection, Non- latching emergency stop on bottom of frame, Locks on Door, minimum 3HP, 3 phase</p> <p>1 Rip Saw blade 3/4" (20mm) x 4 TPI, and 1 General Purpose 3/8" (10mm) x 6 TPI</p> <p style="color: red;">Five year on-site warranty to include parts and labour.</p> <p>Follow Health &amp; Safety advice regarding use of this machine and age restrictions on its use; <b>Statutory Instruments (SI) No. 36 of 2016 Safety, Health and Welfare at Work (General Application) (Amendment) Regulations 2016</b></p>			
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Manufacturer:</td> <td style="width: 50%;">Catalogue No.:</td> </tr> </table>	Manufacturer:	Catalogue No.:	
Manufacturer:	Catalogue No.:			
CS/B/102 4	<p>Scroll Saw, 450mm, with tilt table, variable speed motor, sawdust blower, workpiece hold-down and blade guard attachment. Motor c.120-200 W, 230 V.</p> <p style="color: red;">Five year on-site warranty to include parts and labour.</p>			
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Manufacturer:</td> <td style="width: 50%;">Catalogue No.:</td> </tr> </table>	Manufacturer:	Catalogue No.:	
Manufacturer:	Catalogue No.:			
CS/B/103 1	<p>Mortice Machine, Floor-standing hollow-chisel , c.12.5mm adjustable chuck, to take chisels as below, c. 1 kW, 3 phase, 50 Hz.</p> <p style="color: red;">Five year on-site warranty to include parts and labour.</p>			
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Manufacturer:</td> <td style="width: 50%;">Catalogue No.:</td> </tr> </table>	Manufacturer:	Catalogue No.:	
Manufacturer:	Catalogue No.:			
CS/B/104 1	<p>Set of 5 hollow mortice chisels comprising - 1/6mm ; 1/10mm; 1/12mm; 1/15mm; 1/18mm</p>			
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Manufacturer:</td> <td style="width: 50%;">Catalogue No.:</td> </tr> </table>	Manufacturer:	Catalogue No.:	
Manufacturer:	Catalogue No.:			
CS/B/105 1	<p>Wood Turning Lathe, c.400 W (0.5 HP), floor-standing with faceplate, c.610mm between centres, 2 Bar bed, variable speed (c.450-2000 rpm)</p> <p style="color: red;">Three year on-site warranty to include parts and labour.</p>			
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Manufacturer:</td> <td style="width: 50%;">Catalogue No.:</td> </tr> </table>	Manufacturer:	Catalogue No.:	
Manufacturer:	Catalogue No.:			
CS/B/106 6	<p>10" Cast Iron 5 Speed Mini Wood Lathe, bench mounted. 5 Speeds - Drive belt; Tool rest holder and tail stock will be locked into place with the easy to use cam locking system; 3" faceplate is included; Min. 350W Motor; Heavy Duty Spindle.</p> <p style="color: red;">Three year on-site warranty to include parts and labour.</p>			
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Manufacturer:</td> <td style="width: 50%;">Catalogue No.:</td> </tr> </table>	Manufacturer:	Catalogue No.:	
Manufacturer:	Catalogue No.:			

CS/B/107 2	Drilling Machine, single phase, floor-standing, keyless chuck, cast iron table, tool free belt tensioning, safety guards, weight to exceed 70kg. To be supplied with drill press table to safely secure smaller work pieces.  <b>Five year on-site warranty to include parts and labour.</b>	
	Manufacturer:	Catalogue No.:
CS/B/108 1	Belt/Disc, floor-mounted Sander, with table. Belt length c.1200mm x 150mm wide; c.225 mm disc diameter. 230 V, 50 Hz. <b>Note:</b> To be supplied its own integral dust extraction system. NOT to be connected to a Central System. <b>Belt working length to be max. c.500mm.</b>  <b>Three year on-site warranty to include parts and labour.</b>	
	Manufacturer:	Catalogue No.:
CS/B/109 1	Vacuum forming machine, bench top model, cut sheet size min. 250mm x min. 450mm. Electrics – 230 V, 50 Hz.  <b>Three year on-site warranty to include parts and labour.</b>	
	Manufacturer:	Catalogue No.:
CS/B/110 1	Thermoplastic sheet Strip Heater, 110 V 50Hz 500 mm suitable for bending thermoplastic sheets up to c.6mm thick.  <b>Three year on-site warranty to include parts and labour.</b>	
	Manufacturer:	Catalogue No.:
CS/B/111 1	Heat Gun, 12/24/110 V 50 Hz Variable-setting  <b>Two year warranty.</b>	
	Manufacturer:	Catalogue No.:
CS/B/112 1	Electric Sharpening system: grinding stone size x width 250mm x 50mm; stone grit K220; leather honing wheel size x width 200mm x 30mm; rotation speed min: 80rpm; include jig for straight edges, plane irons, ripping chisels; include angle setting jig for measuring exact angles and settings. Single phase.  <b>Five year on-site warranty to include parts and labour.</b>	
	Manufacturer:	Catalogue No.:
CS/B/113 (A) 2	Tool storage presses for hand tools, lockable, approximate size 1900mm x 1000mm x 500mm. These to be supplied with cut-out slots.	
	Manufacturer:	Catalogue No.:
	<b>OR</b>	
CS/B/113 (B) 2	Tool storage presses for hand tools, lockable, approximate size 1900mm x 1000mm x 500mm. These to be supplied with storage trays	

## Section 2: Digital Technologies and Computer Aided Manufacturing (CAM)

Code Quantity	Description and Specification	Cost € & Warranty Offered
CS/B/201 1	Laptop suitable to run CNC, laser cutter and 3D printer, to be supplied with a case and wireless optical mouse. Optional purchasing details <a href="https://www.pdsttechnologyineducation.ie/en/Technology/Purchasing-Frameworks/">https://www.pdsttechnologyineducation.ie/en/Technology/Purchasing-Frameworks/</a>  <b>Three Year warranty.</b>	
	Manufacturer: _____ Catalogue No.: _____	
CS/B/202 1	Visualiser: Min. 13 MP Lens, Up to 4K at 30 fps Video, Built-In Mic, coverage A3 + (533x330mm), USB Interface & Power Connection to a PC.  <b>Five year warranty.</b>	
	Manufacturer: _____ Catalogue No.: _____	
CS/B/203 1	3D Printer: Min volume area 200mm x 200mm x 200mm, Suitable for education purposes (not DIY/home spec.) and capable of high quality printing, user-friendly software based on open-source platform (Compatible with Parametric Modelling software used in Design and Communication Graphics (DCG)), Support materials such as PLA, Fully enclosed print chamber, and Technical support must be available. Roll of PLA to be provided with machine.  <b>Three year on-site warranty to include parts and labour.</b>	
	Manufacturer: _____ Catalogue No.: _____	
CS/B/204 1	CNC 3-axis Training Router. Bench top with enclosed work area. Operating footprint minimum 575mm x 325mm in X-Y plane; capacity to machine a minimum of 110mm of light materials such as light alloys, wood and plastic using multiple passes. Spindle speed 10-25 krpm. Feed Rate c.5000mm/min, 3D profiling c. 4500mm/min. Spindle Motor c. 1.3 kw. Connection for dust extraction for dust and shavings from cutting area. Machine to be supplied complete with operating system, 2D & 3D controlling software compatible with file format for PCB production. Fourth axis attachment. Appropriate tooling package and accessories for standard operating to be included. 230 V, 50 Hz supply.  <b>Note:</b> Details of specification of computer required to operate to be furnished to school.  <b>Five year on-site warranty to include parts and labour.</b>	
	Manufacturer: _____ Catalogue No.: _____	
CS/B/205 1	Workbench for CNC router (CS/B/204) Storage under workbench for associated equipment/router bits etc. Height of workbench approximately 700mm.	
	Manufacturer: _____ Catalogue No.: _____	

CS/B/206 1	Laser cutter/engraver: CO2, workable on a variety of materials, <u>minimum</u> engraving area 300mm x 300mm, accommodate minimum 100mm thickness, minimum 30 Watt laser tube, open source software and driver, Raster & Vector operating modes, single phase, must come with a Vector grid, Air compressor and Fume extraction system, and Technical support must be available.	
	<p>Three Year on-site warranty on machine and Co2 Tube.</p> <p><b>NOTE:</b></p> <p>Only 1 laser cutter to share between Engineering, Technology and Construction Studies room.</p> <p>If school offers any of these three subjects (or are getting an upgrade to any of these rooms) they are entitled to get a laser cutter.</p> <p>Location of laser cutter is identified on each of the room layouts.</p>	
	Manufacturer:	Catalogue No.:

**Note:** Equipment to be commissioned and training provided where appropriate. Where servicing is required during the warranty period then the cost should be included in the tender price.

Equipment for Construction Studies/Wood Technology CS/B			
Section	Code	Description and Specifications:	Total Cost € & Warranty Offered:
Section 1	CS/B/101-113-B	Machine Tools and Storage	
Section 2	CS/B/201-206	Digital Technologies and Computer Aided Manufacturing	

Total (€)	
Add for VAT (€)	
Total amount for List B (€)	

## Standards, Specifications and Conditions

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by Officers from the Department of Education.**

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- i) Comply fully with the specifications and be durable and safe for School Use.
- ii) Comply fully with the standards as detailed and shall comply fully with European (EN) standards, both established and developing.
- iii) Comply with European electrical standards and CE marking as appropriate.
- iv) Be accompanied by documentation of sufficient detail for full evaluation.
- v) Include the completed and signed certificate of compliance.

Award of a contract is conditional on the production of a current tax clearance certificate.

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### Certificate of Compliance with Standards, Specifications & Conditions:

I/We certify that the equipment tendered complies in all respects with the Standards, Specifications and other requirements/conditions specified in this tender document.

I/We hold a current tax clearance certificate.

Company: \_\_\_\_\_

Signed: \_\_\_\_\_ Date: \_\_\_\_\_

Position: \_\_\_\_\_

# Statutory Instruments (SI) No. 36 of 2016 Safety, Health and Welfare at Work (General Application) (Amendment) Regulations 2016

Notes regarding Training, instruction and information are detailed in Statutory Instruments (SI) No. 36 of 2016 Safety, Health and Welfare at Work (General Application) (Amendment) Regulations 2016. This full document should be considered if a school is using the machines outlined in the document.

A few key notes include:

An employer shall ensure that an employee who operates a woodworking machine—

- o (a) has been trained in operating the machine,
- o (b) has received instruction in accordance with paragraph (2)(a), and
- o (c) has been provided with the information specified in paragraph (2)(b).

- An employer shall ensure that in advance of operating a wood-working machine an employee shall—
  - (a) receive instruction on—
    - (i) the dangers arising in connection with the machine, the precautions to be observed and the requirements of the Regulations in this Part which apply to the machine,
    - (ii) how to use the guards and any other protection measures required to be provided by Regulation 199 and Regulations 201 to 207 which relate to the machine, and
    - (iii) procedures for setting up, adjusting, using and cleaning the machine, and
  - (b) be provided with information on the use of the machine, including where relevant—
    - (i) the speed, range, type and dimensions of tools suitable for the machine, (ii) any limitation on the cutting speeds of the machine, particular operations or size and material of any workpiece,
    - (iv) procedures relating to the repair or replacement of any guard or protection device,
    - (v) the availability, suitability and use of any additional protection device, (v) safe methods of handling tools, 8 [36]
    - (vi) correct procedures for start-up, shutdown and isolation of the machine, taking into account the time required for all parts of the machine to come to a halt, (vii) procedures for cleaning the machine,
    - (vii) procedures for setting or adjusting any guard, tool, clamp or other part of a machine, and
    - (viii) in the case of CNC machines, programming.