

List of Furniture & Equipment
Subject : Graphical Communication (S1-5)

[Accommodation : (1) Graphical Communication Room 85m² (minimum) for 40 pupils, and
(2) ITLC / Computer Laboratory]

I. Equipment

Item No.	Description	Quantity	Remarks
	<u>Audio Visual</u>		
E-1	Compass, for Wyteboard use, 300mm length	1	new
E-2	Digital Camera, 2M pixel (or better)	1	new
E-3	Portable multimedia LCD projector, support multi-system video/ SVGA/ XGA, 750 ANSI lumens and F2.5-3.1/f48-72mm (or better), input channels include Video, Audio and Computer, 220V, 50Hz single phase, A.C., automatic thermal switch and safety interlock switch, bonded to earth through 3-core supply cable fitted with 3-pin appropriate fused B.S.S. plug, Comply with local regulations.	1	new
E-4	Protractor, with handle, wood/plastic, radius 280 mm, measurement up to 180 °	1	existing
E-5	Screen, pull down, wall mounted, matt, white, 2 m × 2 m	1	new
E-6	Set Square, with handle, wood/plastics, for Wyteboard use, 45° and 60°, 300 mm	1	existing
E-7	Straight Edge Rule, with handle, length 1 m	1	existing
E-8	Video Imager, automatic focus and x12 zoom, reading of up to 395(W) x 295(D) size manuscript, free-angle camera head 752 (H) x 582 (V) pixels, 220-240V, AC, 50Hz., bonded to earth through 3-core supply cable fitted with 3-pin appropriate fused B.S.S. plug, Comply with local regulations.	1	new
E-9	Wyteboard, wall mounted, 2.5m x 1m	1	new
	<u>Graphics</u>		
E-10	Compass Set, precision, 80mm and 140mm arm length (approx.), complete with extension arm and mechanical pencil attachment.	1	existing
E-11	Drying rack, steel, 740 x 940 x 1350mm approx., 50 tiers with spring action for shelves, 700 x 920mm approx. wire mesh shelves, mesh opening not larger than 200 x 200mm, with 4 rollers.	1	new

Item No.	Description	Quantity	Remarks
E-12	Flexible Curve, length 300 mm	1	existing
E-13	French Curve Set	1	existing
E-14	Lettering Stencils, 2.5 mm, 3.5 mm, 5 mm, 7 mm, 10 mm and 14 mm	1	existing
E-15	Paper Trimmer, rotary, 610mm	1	new
E-16	Scale Rule Set, metric, triangular section, various scales including 1:2.5, 1:5, 1:10, 1:20, 1:25, 1:50, 1:75, 1:100, 1:125, 1:200, 1:250, 1:300, 1:400, 1:500	1	existing
E-17	Staple gun	1	new
E-18	Technical Drawing Pen Set, 0.25 mm, 0.35 mm, 0.5 mm, 0.7 mm, 1.0 mm and 1.2 mm	1	existing
E-19	Technical Drawing Pen Set, for Lettering Stencils, 2.5 mm, 3.5 mm, 5 mm, 7 mm, 10 mm and 14 mm	1	existing
E-20	Template, Circles, diameter 2 to 36 mm step 1 mm	1	existing
E-21	Template, ellipses, 30°	1	existing
E-22	Templates, electronic symbols	1	existing
E-23	Templates, hexagonal bolt head metric	1	new
E-24	Templates, radius	1	existing
	<u>Teaching Models</u>		
E-25	Cone, with circular, elliptical, hyperbolic and parabolic sections	1	existing
E-26	Cone, with elliptical hyperbolic and parabolic sections	1	existing
E-27	Right Pyramid, with square base set	1	existing

II. Computer Hardware

Item No.	Description	Quantity	Remarks
C-1	Computer workstation Minimum requirements (1-year on-site warranty): System Unit: <ul style="list-style-type: none"> ● Pentium II CPU or PowerPC G3 CPU, or better ● 128 MB RAM, Main memory ● 8 MB, 3D Graphics adapter ● 10GB Hard Disk ● CD-ROM Drive ● Audio Card & Stereo Speakers 	5	new

Item No.	Description	Quantity	Remarks
C-2	<ul style="list-style-type: none"> • 3.5" 1.44MB Floppy Drive • High capacity storage device, internal, Zip Drive Parallel/SCSI or equivalent • Keyboard & Mouse • I/O Ports: 2 serial, 1 parallel & 2 USB ports • 17" SVGA Monitor <p>Operation System Software:</p> <ul style="list-style-type: none"> • Bundle with Windows NT or Mac OS 8.5 (Chinese or English), or equivalent <p>Operation & Certification:</p> <ul style="list-style-type: none"> • Power requirements: 220-240V, AC, 50 Hz • Power consumption: 220W (max.) • Certification: UL listed; CSA certified; FCC Class B certified; CDRH certified, Class 1 Laser Product (safe for office/EDP use), Energy Star Compliant, with Year 2000 compliant 		
	Accessories:		
	<ul style="list-style-type: none"> • A2 Size InkJet Colour Printer 	1	new
	<ul style="list-style-type: none"> • A3 Size Laserjet Print 	1	new
	<ul style="list-style-type: none"> • A4 Size Scanner, SCSI 	1	new
<ul style="list-style-type: none"> • Chinese Handwritten Input Device 	5	new	

III. Computer Software

Item No.	Description	Quantity	Remarks
S-1	<p>2D Design Software:</p> <ul style="list-style-type: none"> • Imagineer Technical (Ed. V) (Chin. /Eng.) or equivalent 	5	new
S-2	<p>3D Solid Modeling Software:</p> <ul style="list-style-type: none"> • SolidWorks (Ed. V) (Chin. /Eng.) or equivalent 	4*	new
S-3	<p>Desktop Publishing Software</p> <ul style="list-style-type: none"> • Adobe PageMaker (Chin. /Eng.) (Ed. V) or equivalent 	4*	new
S-4	<p>Graphic Design Software:</p> <ul style="list-style-type: none"> • Macromedia FreeHand (Chin. /Eng.) (Ed. V) or equivalent 	5	new
S-5	<p>Image Processing Software</p> <ul style="list-style-type: none"> • Photo Impact (Chin. /Eng.) (Ed. V) or equivalent 	4*	new

Item No.	Description	Quantity	Remarks
S-6	Office/Presentation Software: • MS Office (Chin. /Eng.) (Ed. V) or equivalent	5	new
S-7	Rendering & Animation Software: • 3D Studio Max (Chin. /Eng.) (Ed. V) or equivalent	4*	new
S-8	Others: for demonstration • 3D Home Architect (Chin. /Eng.) (Ed. V) • 3D Studio Max (Chin. /Eng.) (Ed. V) or equivalent • Authorware (Chin. /Eng.) (Ed. V) • AutoSketch (Chin. /Eng.) (Ed. V) • CorelDraw (Chin. /Eng.) (Ed. V) • Photo Impact (Chin. /Eng.) (Ed. V) or equivalent • Pro/DESKTOP (Chin. /Eng.) (Ed. V) • Publishing Collection (Adobe PageMaker, Photoshop, Illustrator) (Chin. /Eng.) (Ed. V) • SolidWorks (Ed. V) (Chin. /Eng.) or equivalent	1 1 1 1 1 1 1 1 1	new new new new new new new new new
<u>Software in ITLC / Computer Lab</u>			
S-9	3D Studio (Chin. /Eng.) (Ed. V) or equivalent	21*	new #
S-10	Adobe PageMaker (Chin. /Eng.) (Ed. V) or equivalent	21*	new #
S-11	Imagineer Technical (Chin. /Eng.) (Ed. V) or equivalent	41	standard
S-12	Macromedia FreeHand (Chin. /Eng.) (Ed. V) or equivalent	41	new #
S-13	MS Office (Chin. /Eng.) (Ed. V) or equivalent	41	standard
S-14	Photo Impact (Chin. /Eng.) (Ed. V) or equivalent	21*	new #
S-15	SolidWorks (Chin. /Eng.) (Ed. V) or equivalent	21*	new #

IV. Hand Tools

Item No.	Description	Quantity	Remarks
H-1	Cutting mat, plastic, size A3	40	new
H-2	Drafting Board Set, size A3, complete with sliding straight edge and precision setting device.	40	new
H-3	Drawing Board, 15mm thick plywood, size A2	40	existing
H-4	G-clamp, 50mm, 100mm, 150mm	8	new
H-5	Mixing dishes, plastic, 100mm dia.	40	new
H-6	Paper cutter	40	new
H-7	Ruler, plastic, 450mm	40	new

Item No.	Description	Quantity	Remarks
H-8	Steel rule, 1m	1	new
H-9	Steel rule, 300mm	20	new
H-10	Steel rule, 600mm	1	new
H-11	Tape, measuring, 3m long, automatic rewind with locking switch	2	new
H-12	T-square, acrylic, size A2	40	existing

V. Furniture

Item No.	Description	Quantity	Remarks
F-1	Computer swivel chair, adjustable seat and back, with 5 legs	4	new
F-2	Computer swivel chair, adjustable seat and back, with 5 legs, castors and armrest	1	new
F-3	Computer table, 1m(L) x 0.8m(W) x 0.7m(H), heavy-duty tabletop covered with light-coloured plastic laminated sheet, sturdy metal underframe.	5	new
F-4	Drawing bench, 1500 (L) x 920 (W) x 760 (H), table covered with light-colour plastic laminated sheet, teak/steel underframe.	8	new
F-5	Square woodwork bench, 1070mm x 1070mm x 760mm H, with removable drawing surface 1200mm x 1200mm.	2	new (ED-F34)
F-6	Steel cabinet, 2 doors, 910mm x 460mm x 1830 high, with 3 adjustable shelves.	1	new (ED-F80)
F-7	Stool, stackable, 460 H, sturdy, made from plastic or hardwood.	40	existing
F-8	Teacher table, 1500(W) x 750mm(D) x 760(H) overall, with one cupboard of two adjustable shelves below, and two doors opening at the front view, indented base, laminated with light-colour plastic, solidwood main frame.	1	new (Sketch No. 1)
F-9	Trolley, for projector, steel, sturdily constructed, 500mm (W) 450mm (D), adjustable height from 660 to 1070mm, with 2 shelves and 4 legs, fitted with casters with locks.	1	new

Estimated total (excluding existing items) :

		Graphical Communication Room	ITLC / Computer Laboratory	Sub-total
	S1-3	\$298,430	\$45,100	\$332,150
	S4-5	\$64,720	\$339,780	\$415,880
Total	S1-5	\$363,150	\$384,880	\$748,030

Remarks:

* - Items for S4-5

new - Topping-up items

new # - These items can be deleted if they have already been equipped in ITLC or Computer Lab.

existing - Items to be transferred from TD assumed

standard - Standard items in ITLC or Computer Lab. assumed

BT Section

Ed Dept

Sketch No. 1

Specification (For reference only, school may modify the design and make to measure.)

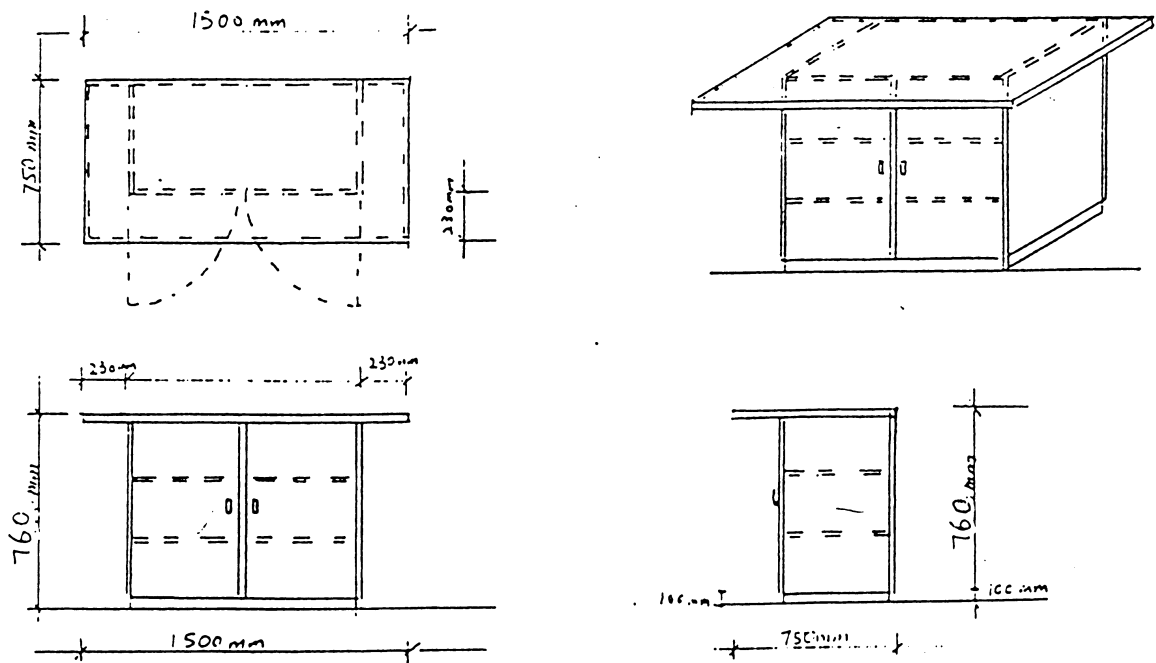
Teacher table, 1500mm(w) x 750mm(d) x 760mm(h) overall, with one cupboard of two adjustable shelves below, and two doors opening at the front view, wooden in natural lacquer finish, on indented base.

Material

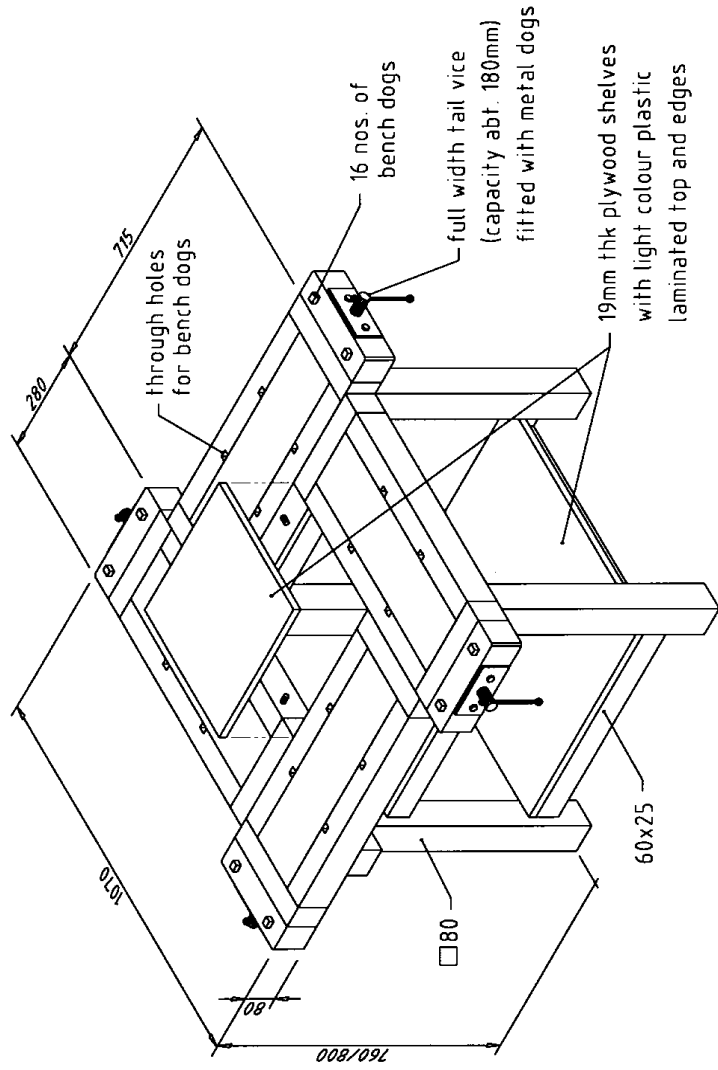
Top, door and cupboard : 19mm thick plywood, faced with light-colour plastic laminated

Cupboard shelf : 19mm thick plywood

Main framing : solidwood



Material : Solid beechwood (unless specified)
 Overall Size : 1070 L x 1070 W x 760/800 H



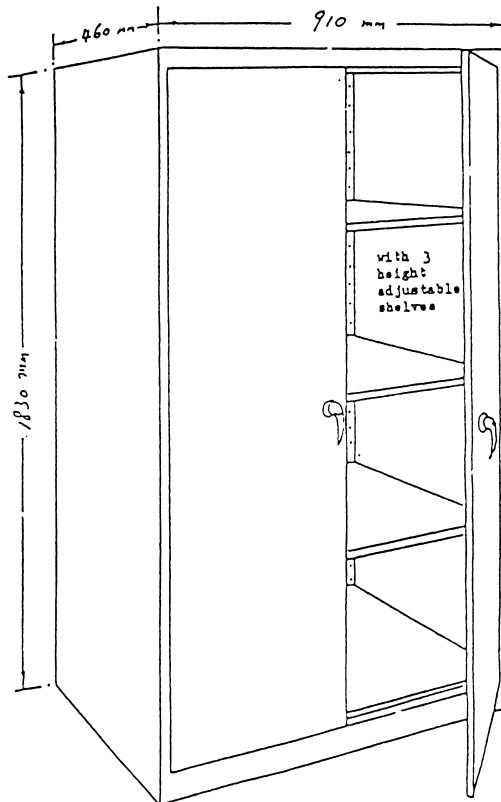
x All dimensions are in mm

Drg. No. : ED-F34 (Revised)	Title : Square WoodWork Bench	Scale : Do not scale	Date : 8 March 1999
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Specification

Cupboard, steel, double-door, fitted with 3 point locking espagnolette bolt, controlled by 6-lever lock with three adjustable shelves, identical as per pattern available for inspection at Furniture Office, Government Supplies Department.

- External Dimensions : 91cm wide x 183cm high x 46cm deep
- Doors and sides : 1.2mm (minimum) thickness of steel
- Shelves and Bottom : 0.9 - 1.0mm thickness of steel
- Top and Back : 0.7 - 0.8mm thickness of steel
- Lock : Union or Yale
- Finish : Rust Proof with "FOSCOTE" or equivalent preparation and sprayed with three coats cellulose lacquer
- Guarantee : 12 months against any fault in workmanship and/or materials
- Colour : To be selected by user



SKETCH NO. ED-F80	Steel cupboard 2 doors 910mm x 460mm x 1830mm high
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