



AN ROINN DEPARTMENT
OIDEACHAIS OF EDUCATION
AGUS SCILEANNA AND SKILLS

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Room: Science Laboratory

Basic Science – LAB

Equipment List and Specification

There are six lists for science equipment, i.e. LAB, RES, DAT, CHE, PHY and BIO.

The provision of science equipment for science laboratories is as follows:

- i) One Basic Science List – LAB – for each science laboratory.
- ii) One Science Resource List– RES – for each **two** science laboratories.
- iii) One Data List – DAT, Part 1 - for each **two** science laboratories.
- iv) One Biology List – BIO – for each Biology provision (in addition to i) and ii) above) plus Part 2 of DAT List.
- v) One Chemistry List – CHE –for each Chemistry provision (in addition to i) and ii) above) plus Part 3 of DAT List.
- vi) One Physics List – PHY – for each Physics provision (in addition to i) and ii) above) plus Part 4 of DAT List
- vii) **Max.** no. of Senior Lists: 3 for up to 4 labs; 4 for 5 labs; 5 for 6 labs.

Note: Where the symbol ♣ is placed after a substance, a supplier who supplies a greater quantity than requested may be held responsible for removal and disposal of the excess.

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 and Skills.**

It is essential that tenders and tenderers for equipment for school use shall:

- **Comply fully with the specifications and be durable and safe for school use.**
- **Comply fully with the standards as detailed and shall comply fully with European Standards (EN), both established and developing.**
- **Comply with European electrical standards and CE marking as appropriate.**
- **Fully comply with requirements in the Request for Tenders (RFT) document.**
- **Be accompanied by documentation of sufficient detail for full evaluation.**
- **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.

Section 1: Basic Science Equipment		
Code Quantity	Descriptions and Specifications	Cost €
LAB/100 24	Bench mats, (asbestos free), round edges 3 mm thick, 150 x 150 mm	
	Manufacturer: Catalogue No:	
LAB/101 6	Brushes, flask, curved bristle head, 50 m diameter x 100 mm long, with hinged centre joint, wood handle.	
	Manufacturer: Catalogue No:	
LAB/102 6	Brushes, test-tube, bristle fan shaped head, on wire handle, head diameter 10 mm.	
LAB/103 1	Draining rack, fitted with wall protecting back panel and fixing lugs to take 30 test-tubes and 12 flasks or beakers	
LAB/104 5	Filter paper, general purpose, grade 1, diameter 12.5 cm, box 100	
	Manufacturer: Catalogue No:	
LAB/105 5	Filter paper, general purpose, grade 1, diameter 11 cm, box 100	
	Manufacturer: Catalogue No:	
LAB/106 1	Absorbent paper (blotting paper), pack of 10	
	Manufacturer: Catalogue No:	
LAB/107 1	Reel dispenser for laboratory paper, galvanised, Milaroll or equivalent.	
	Manufacturer: Catalogue No:	
LAB/108 2	Paper roll, Milaroll or equivalent, green, 300 mm wide, to suit above	
	Manufacturer: Catalogue No:	
LAB/109 1	Rubber stoppers, solid, assorted sizes x 100 per pack. To BS 2775	
	Manufacturer: Catalogue No:	
LAB/110 1	Rubber stoppers – 'One Holed'. assorted sizes (100 per pack).	
	Manufacturer: Catalogue No:	
LAB/111 1	Rubber stoppers – 'Two Holed'. assorted sizes (100 per pack).	
	Manufacturer: Catalogue No:	
LAB/112 5	Test paper reels, pack of 4 dispenser reels; each reel contains a paper strip 5 m long x 6 mm wide, supply as: 2 reels x pH 1-14 1 reel as Litmus blue 1 reel as Litmus red	
	Manufacturer: Catalogue No:	
LAB/113 5	Tubing connectors, polypropylene, packs of 10, straight, for tubing bore 7-9 mm	
	Manufacturer: Catalogue No:	
LAB/114 5	Tubing connectors, polypropylene, packs of 10, T-shape, for tubing bore 7-9 mm	
	Manufacturer: Catalogue No:	
LAB/115 5	Tubing connectors, polypropylene, packs of 10, Y shape, for tubing bore 7-9 mm	
	Manufacturer: Catalogue No:	
LAB/116 2	Tubing cutter, for normal wall plastic and rubber tubing, up to 19 mm o.d., with spring loaded hardened steel blade.	
	Manufacturer: Catalogue No:	

LAB/117 6	Spare blade for above		
	Manufacturer:	Catalogue No:	
LAB/118 12	Tiles, polypropylene, white, 12 cavities		
	Manufacturer:	Catalogue No:	
LAB/119 12	Tiles, plain, ceramic, flat, white, 100 x 100 mm		
LAB/120 12	Bench lamp, angle-poise, switch on shade, base weighted for stability, max 60 W bulb, stand finished in enamel, inside of shade finished in white gloss, maximum working height 750 mm, complete with 2 m, 2-core mains cable.		
	Manufacturer:	Catalogue No:	
LAB/121 1	Beehive shelf, diameter 75 mm		
	Manufacturer:	Catalogue No:	
LAB/122 1	Chopping board, hardwood, kitchen type		
	Manufacturer:	Catalogue No:	
	Manufacturer:	Catalogue No:	
LAB/123 12	Hoffman clip, internal opening 30 mm.		
	Manufacturer:	Catalogue No:	
LAB/124 1	Knife, glass cutting with replaceable blades		
	Manufacturer:	Catalogue No:	
LAB/125 1	Scissors, general purpose, stainless steel, moulded plastic handles, 200 mm long		
	Manufacturer:	Catalogue No:	
LAB/126 1	Scissors, heavy duty, scalloped blades, mix of left and right hand grips		
	Manufacturer:	Catalogue No:	
LAB/127 12	Mortar and Pestle, unglazed inside, external diameter 140 mm.		
	Manufacturer:	Catalogue No:	
LAB/128 12	Mohr clip, overall length 50 mm.		
	Manufacturer:	Catalogue No:	
LAB/129 24	Spatula, polypropylene, flat, tapered with chamfered ends, length 100 mm		
	Manufacturer:	Catalogue No:	
LAB/130 12	Wash bottles, Polythene, oval, capacity 250 cm ³		
	Manufacturer:	Catalogue No:	
LAB/131	Moved to RES List		
LAB/132 2	Lids, gabled, stainless steel, to suit above		
	Manufacturer:	Catalogue No:	
LAB/133 10	Stainless steel racks to suit above, 16 x 26 mm holes		
	Manufacturer:	Catalogue No:	
LAB/134 2	Test tube racks, polypropylene, weighted, 40 holes diameter 25 mm, to suit above		
	Manufacturer:	Catalogue No:	

LAB/135 12	Bunsen burner, heavy diecast base, integral inlet tube for 8 mm bore flexible gas tubing, base finished in chemical resistant acrylic paint. Suitable for use with LPG or natural gas, as required by the school. Overall height 124 mm, o.d. of burner tube 13 mm, with rotatable air regulator. Manufacturer: _____ Catalogue No: _____	
LAB/136 12	Tubing, bunsen burners, neoprene rubber, reinforced ends, length 600 mm Manufacturer: _____ Catalogue No: _____	
LAB/137 2	Gas lighter, piezo-electric Manufacturer: _____ Catalogue No: _____	
LAB/138 1	Kettle, c. 1.7 L, cordless, automatic cut off, removable lid, spout fill facility, water level indicator, 230 V Two year warranty. Manufacturer: _____ Catalogue No: _____	
LAB/139 12	Crucible tongs, straight, length 150 mm. Manufacturer: _____ Catalogue No: _____	
LAB/140 12	Crucible tongs, bow, length 150 mm Manufacturer: _____ Catalogue No: _____	
LAB/141 12	Tongs, bowed, for beakers 100 cm ³ – 500 cm ³ Manufacturer: _____ Catalogue No: _____	
LAB/142 3	Combustion spoons, steel with flange cap (diam. 90mm), overall length 400 mm. Manufacturer: _____ Catalogue No: _____	
LAB/143 12	Crucibles, porcelain, low form, nominal capacity 25 cm ³ Manufacturer: _____ Catalogue No: _____	
LAB/144 12	Crucible lids for above Manufacturer: _____ Catalogue No: _____	
LAB/145 3	Heat sensitive paper to indicate thermal conductivity and radiation, pack Manufacturer: _____ Catalogue No: _____	
LAB/146 12	Iron wire gauzes, ceramic centres, 125 x 125 mm. Manufacturer: _____ Catalogue No: _____	
LAB/147 6	Bimetallic strip fitted with handle Manufacturer: _____ Catalogue No: _____	
LAB/148 6	Ingenhausz apparatus, metal tank with legs, 210 x 75 x 75 mm with 7 inlets to take six rods of copper, iron, lead, brass, zinc and aluminium mounted in corks with remaining hole for thermometer Manufacturer: _____ Catalogue No: _____	
LAB/149 6	Thermal conductivity rods (aluminium, brass, copper, glass and iron), 250 x 3 mm, length x diameter, set of 5, for LAB/148 Manufacturer: _____ Catalogue No: _____	
LAB/150 12	Pipeclay triangles, on iron wire, side length 65 mm. Manufacturer: _____ Catalogue No: _____	
LAB/151 12	Thermometer, range – 10 to 110 °C by 1 °C divisions, spirit filled (red), 305 mm length Manufacturer: _____ Catalogue No: _____	
LAB/152 12	Thermometer, fever strip, graduated 36.5 to 40.5 °C x 0.2 °C. Manufacturer: _____ Catalogue No: _____	

LAB/153 2	Thermometer, clinical, digital, range 32 to 42 °C with LCD temperature indication to 0.1 °C, powered by 1.5 V silver oxide battery, supplied complete with battery	
	Manufacturer:	Catalogue No:
LAB/154 6	Thermal conductivity of metals set, 4 different metal strips (aluminium, brass, copper and iron) on wooden ring, cavity for wax on end of strip	
	Manufacturer:	Catalogue No:
LAB/155 6	Convection tube, glass, internal diameter 20 mm, rectangular structure with funnel on top	
	Manufacturer:	Catalogue No:
LAB/156 6	Ventilation apparatus, metal box, 22 x 10 x 10cm with removable glass front and two chimneys on top	
	Manufacturer:	Catalogue No:
LAB/157 30	Retort clamp, rubber covered jaws, clamping tommy-bar screw-through swivels, mounted on 135 mm cast alloy rod.	
	Manufacturer:	Catalogue No:
LAB/158 12	Retort stand rings with boss heads suitable for fastening on rods of diameter 8 – 13 mm. External diameter 75 mm.	
	Manufacturer:	Catalogue No:
LAB/159 30	Retort stand rods, aluminium, screwed M. 10, diameter 10 mm, length 400 mm.	
	Manufacturer:	Catalogue No:
LAB/160 30	Retort stand base, steel, 250 x 160 mm, rubber feet, tapped hole (10 x 1.5 mm metric thread) at one end for retort rod, corrosion resisting paint finish.	
	Manufacturer:	Catalogue No:
LAB/161 30	Bossheds, cast alloy, two slots at right angles, for rods up to 16 mm diameter, 120 x 30 mm, length x diameter.	
	Manufacturer:	Catalogue No:
LAB/162 12	Clamps to hold object up to 90 mm diameter, corrosion resistant.	
	Manufacturer:	Catalogue No:
LAB/163 6	Stands, double funnel.	
	Manufacturer:	Catalogue No:
LAB/164 12	Stands, boiling tube, hard wood with polypropylene end supports, supplied as kit for assembly by user, 6 holes x 32 mm diameter.	
	Manufacturer:	Catalogue No:
LAB/165 12	Tripod stands triangular top, length of side arm 150 mm, height 200 mm, cast iron.	
	Manufacturer:	Catalogue No:
LAB/166 24	Test-tube holders, hardwood, with steel spring	
	Manufacturer:	Catalogue No:
LAB/167 12	Test-tube rack, polypropylene, 25 mm hole diameter, 6 holes, 6 pegs, supplied as kit for assembly by user.	
	Manufacturer:	Catalogue No:
LAB/168 12	Expansion of liquid apparatus, 5 bulb tubes, 40 mm diameter with stems 300 mm long in frame, with scales, housed in metal trough	
		Catalogue No:
LAB/169 1	Displacement vessel, large, with spout, 180 x 110 mm.	
	Manufacturer:	Catalogue No:

LAB/170 12	Displacement vessel with spout, approximately 100 x 65 mm.	
	Manufacturer:	Catalogue No:
LAB/171 12	Electrostatics kit, elementary experiments in electrostatics, comprising polystyrene spheres, cotton cloth, woollen cloth, wooden clothes pegs, nylon filament, small paint brush, graphite in alcohol, insulators, pins, acetate and vinyl strip, instructions for use	
	Manufacturer:	Catalogue No:
LAB/172 1	Electroscope, metal aluminium vane, 50 mm diameter charging disc mounted on metal casing with removable glass side panels	
	Manufacturer:	Catalogue No:
LAB/173 12	Magnets, bar, triconal type, 50 mm length, complete with keepers.	
	Manufacturer:	Catalogue No:
LAB/174 3	Compass, plotting, 16 mm diameter, pack 10	
	Manufacturer:	Catalogue No:
LAB/175 12	Buzzer, miniature transistor oscillator, 6 volt supply, mounted with 4 mm sockets	
	Manufacturer:	Catalogue No:
LAB/176 12	Bezel push fit panel clip for 5 mm LEDs, mounting hole 8 mm, prominent position styles, pack 5	
	Manufacturer:	Catalogue No:
LAB/177 3	Bulb holder, MES, socket E 10, pack 10.	
	Manufacturer:	Catalogue No:
LAB/178 3	Fuses, quick blow, 500 mA, pack 10	
	Manufacturer:	Catalogue No:
LAB/179 3	Flashlamp bulbs, MES cap, round, 2.5 V, 300 mA, socket E 10, pack 10.	
	Manufacturer:	Catalogue No:
LAB/180 3	Fuses, quick blow, 1 A, pack 10	
	Manufacturer:	Catalogue No:
LAB/181 3	Fuses, quick blow, 2 A, pack 10	
	Manufacturer:	Catalogue No:
LAB/182 3	Fuses, quick blow, 5 A, pack 10	
	Manufacturer:	Catalogue No:
LAB/183 1	Fuse wire, tinned copper, 2 A, reel 100 g	
	Manufacturer:	Catalogue No:
LAB/184 1	Fuse wire, tinned copper, 5 A, reel 100 g	
	Manufacturer:	Catalogue No:
LAB/185 12	LT variable voltage power supply unit, overload protection, Performance (approx):	
	No Load	8 A Load
	d.c. 0-25 V	24 V
a.c. 0-25 V	24 V	
Two year warranty.		
Manufacturer:		Catalogue No:
LAB/186 3	Light emitting diodes, standard, 5 mm, suitable for PCB or panel mounting, red, pack 5	
	Manufacturer:	Catalogue No:
LAB/187 3	Light emitting diodes, standard, 5 mm, suitable for PCB or panel mounting, green, pack 5	
	Manufacturer:	Catalogue No:

Section 2: Basic Science Equipment		
LAB/200 3	Light emitting diodes, standard, 5 mm, suitable for PCB or panel mounting, yellow, pack 5	
	Manufacturer:	Catalogue No:
LAB/201 3	Light emitting diodes, standard, 5 mm, suitable for PCB or panel mounting, with in-built IC to produce a continuous flashing, 9-12 V d.c., pack 5	
	Manufacturer:	Catalogue No:
LAB/202 12	Light emitting diode holder (soldering not required) complete with 200 mm leads and LED release tool	
	Manufacturer:	Catalogue No:
LAB/203 12	Newton's disc, 180 mm diameter (approx.), mounted on a metal stand and driven with a hand wheel	
	Manufacturer:	Catalogue No:
LAB/204 12	Light pen	
	Manufacturer:	Catalogue No:
LAB/205 24	Multimeters, digital, autoranging frequency measurement, capacitance measurement and transistor test. Voltage a.c.& d.c. – 5 ranges each from 200 mV x 100 µV to 600 V x 1 V. Current a.c. & d.c. – 4 ranges each from 2 mA x 1 µA to 10 x 10 mA. Resistance 6 ranges from 200 R x 0.01 R to 20 M x 10 k. Capacitance – 5 ranges from 2000 pF x 1 pF to 20 µF x 10 nF. Frequency – 5 ranges 2 kHz x 1 Hz to 20 MHz x 100 kHz. Diode Test. Continuity test. Transistor test NPN and PNP.	
	Two year warranty.	
	Manufacturer:	Catalogue No:
LAB/206 12	Resistor, light dependent, cadmium sulphide cell LDR in glass case with clear end window	
	Manufacturer:	Catalogue No:
LAB/207 2	Resistor, carbon film resistors 0.5 W with maximum working voltage of 350 volts, 47 R, pack of 10.	
	Manufacturer:	Catalogue No:
LAB/208 2	Resistor, carbon film resistors 0.5 W with maximum working voltage of 350 volts, 100 R, pack of 10.	
	Manufacturer:	Catalogue No:
LAB/209 2	Resistor, carbon film resistors 0.5 W with maximum working voltage of 350 volts, 200 R, pack of 10.	
	Manufacturer:	Catalogue No:
LAB/210 1	Resistor, carbon film resistors 0.5 W with maximum working voltage of 350 volts, 1K, pack of 10.	
	Manufacturer:	Catalogue No:
LAB/211 2	Switches, push type, to make, non-locking, rated 250 mA, 125 V a.c., pack 10	
	Manufacturer:	Catalogue No:
LAB/212 1	Push switches, to break, non locking, rated 250 mA, 125 V AC, pack 10	
	Manufacturer:	Catalogue No:
LAB/213 12	Keys: contact type one-way	
	Manufacturer:	Catalogue No:
LAB/214 6	Transistor, general purpose, BC108 NPN power, pack 5.	
	Manufacturer:	Catalogue No:

LAB/215 6	Transistor, general purpose, ZTX 300 NPN audio, pack 5.		
	Manufacturer:	Catalogue No:	
LAB/216 6	Transistor, general purpose, BFY51 NPN audio, pack 5.		
	Manufacturer:	Catalogue No:	
LAB/217 6	Connecting leads set, flexible PVC lead, plug and socket 4mm diameter, nickel-plated, fully insulated, comprising 2 x red 100 cm 2 x blue 100 cm 2 x red 50 cm 2 x blue 50 cm 2 x red 25 cm 2 x blue 25 cm 4 x black 100 cm 6 x black 50 cm 6 x black 25 cm 4 x black 10 cm		
	Manufacturer:	Catalogue No:	
LAB/218 150	Crocodile clips with shank to accept 4 mm plugs, length 40 mm.		
	Manufacturer:	Catalogue No:	
LAB/219 12	Metre rules, horizontal reading, cm and mm		
	Manufacturer:	Catalogue No:	
LAB/220 12	Opisometer.		
	Manufacturer:	Catalogue No:	
LAB/221 3	Balance, electronic, top-loading, capacity 1200 g, capable of weighing to a precision of both 0.1g and 0.01 g, LCD display, zero tare, stainless steel weighing pan, a.c. mains supply, 230 V.		
	Two year warranty.		
LAB/222 12	Balances, Spring, Flat form, zero adjuster, overload protection, hook, in metal case, reading in Newton (N), 10 N x 0.2 N		
	Manufacturer:	Catalogue No:	
LAB/223 12	Magnifiers, light weight, pocket size, two plano-convex lenses, lens mount folds into case, 1.5 cm (diameter) x 2 cm (depth), magnification x10.		
	Manufacturer:	Catalogue No:	
LAB/224 2	Mirror, plane, glass 100 x 75mm, pack 10		
	Manufacturer:	Catalogue No:	
LAB/225 2	Holder for plane mirror, above, hardwood cube with slot, per pack 10, for above		
	Manufacturer:	Catalogue No:	
LAB/226 3	Magnifier, hand held, acrylic lens, frame and handle, magnification x 3.4, lens diameter 48 mm.		
	Manufacturer:	Catalogue No:	
LAB/227 2	Pins, optical, pack 100		
	Manufacturer:	Catalogue No:	
LAB/228 24	Springs, steel, extension, 6mm diameter, closely wound, length 150, extension for 250 g load approx. 250mm		
	Manufacturer:	Catalogue No:	
LAB/229 12	Scale pan, with cords and hooks		
	Manufacturer:	Catalogue No:	
LAB/230 1	Bell in bell jar apparatus, 3 V a.c./d.c. supply		
	Manufacturer:	Catalogue No:	

LAB/231 1	Generator, low frequency, converts d.c. into a.c. at frequencies up to 30 Hz	
	Manufacturer:	Catalogue No:
LAB/232 1	Air pump, pressure or vacuum, two rifled connections one each for vacuum and pressure, hand operated	
	Manufacturer:	Catalogue No:
LAB/233 12	Filter pumps, vacuum, water-jet, without pressure gauge, Polypropylene, with tapered side arm, maximum vacuum approx. 25 mm Hg at a flow rate of approx. 17 litre/minute.	
	Manufacturer:	Catalogue No:
LAB/234 6	Microscope, monocular, 10x eyepiece, low voltage illumination 12 V/20 W built-in, 140 x 140 mm mechanical stage, 3 objectives 4x/0.1, 10x/0.25, 40x/0.65, triple nosepiece, lenses coated, separate coarse and fine focusing, built-in safety lock to protect slides. The 40x objective spring-loaded, condenser with iris diaphragm and centring ring, rack and pinion focusing, a.c., 230 V, 50 Hz supply. Supplied with spare bulbs, fuses, plan/concave orientable mirror, dust cover. Inclines, rotatable viewing tube or conventional inclinable body, stage with side clips	
	Two year warranty.	
	Manufacturer:	Catalogue No:
LAB/235 2	Microscope slides, 75 mm x 25 mm, box 100. Suitable for routine and student use	
	Manufacturer:	Catalogue No:
LAB/236 2	Cover slips, box 100, square.	
	Manufacturer:	Catalogue No:
LAB/237 1	View Cam, Flat base, flexible arm, Lens x10, mains a.c., 230 V, 50 Hz	
	Manufacturer:	Catalogue No:
LAB/238 4	Microbiological inoculating wire, 50 mm, pack of 20	
	Manufacturer:	Catalogue No:
LAB/239 12	Microbiological inoculating loop handles for inoculating wire, aluminium & nickel plated, brass collar, length 150 mm	
	Manufacturer:	Catalogue No:
LAB/240 12	Respiration apparatus, for tests on inhaled and exhaled air, comprising two test-tubes (150 x 19 mm) each with two-holed stoppers and two lengths of 5 mm glass tubing. One short and one long tubing piece is connected via PVC tubing to a mouth T-piece	
	Manufacturer:	Catalogue No:
LAB/241 12	Respirometer, simple type to compare rates of absorption or evolution of gases by small organisms during respiration. Complete with instructions and wire baskets to support the organisms	
	Manufacturer:	Catalogue No:
LAB/242 6	Scalpel blades, no 22, surgical quality, to fit handles above, packs 5	
	Manufacturer:	Catalogue No:
LAB/243 6	Scalpel handles, polystyrene, disposable, length 135 mm approximate length, packs 10	
	Manufacturer:	Catalogue No:
LAB/244 12	Forceps, stainless steel, blunt end, without guide pin, 115 mm long	
	Manufacturer:	Catalogue No:

LAB/245 1	pH Meter, digital, suitable for routine laboratory operations, choice of pH, mV or °C readout, electrode stand and mains adaptor, a.c. 230 V supply, complete with 2 m cable.	
	Two year warranty.	
	Manufacturer: _____	Catalogue No: _____
LAB/246 12	Voltmeter, Hoffmann, hand-held for student use, comprising of embedded platinum electrodes connected to 4 mm terminal connections, two test tubes, overall construction of acid-proof plastic.	
	Manufacturer: _____	Catalogue No: _____
LAB/247 12	Timer/clock/stopwatch, min. 10 mm LCD display, reading to 0.01 second, with memory, 24 hour capacity, with batteries.	
	Manufacturer: _____	Catalogue No: _____
LAB/248 1	Chart: size approximately 100 x 75 mm or nearest equivalent, coloured to illustrate the following: Biology: Fruit and seed dispersal Pollination and fertilisation Flowers and inflorescences Fruit dissemination and germination Circulatory system in the body Male and female reproductive system Plant structure Human digestive system Chemistry: How the bunsen burner works.	
	Manufacturer: _____	Catalogue No: _____
LAB/249 1	Chart, wall mounted, Periodic Table of the Elements, laminated, 140 x 100 cm	
	Manufacturer: _____	Catalogue No: _____

Section 3: Glass and Polypropylene ware		
LAB/300 3	Gas jars, heavy glass, ground flange, 150 mm high x 50 mm internal diameter	
	Manufacturer:	Catalogue No:
LAB/301 1	Gas jar covers, circular sheet glass, for 50 mm int. diameter jars, pack 10	
	Manufacturer:	Catalogue No:
LAB/302 12	Bottles, indicator, dispensing, clear glass, plastic stoppers, vinyl teat and graduated pipette, 60 cm ³	
	Manufacturer:	Catalogue No:
LAB/303 3	Trough, pneumatic, heavy glass, cylindrical, 250 × 125 mm (diam x height)	
	Manufacturer:	Catalogue No:
LAB/304 3	Glass rods, soda lime, diameter 8 mm, in lengths 1.5 m, bundle 5	
	Manufacturer:	Catalogue No:
LAB/305 24	Beaker, borosilicate glass, 100 cm ³ , graduated, with spout	
	Manufacturer:	Catalogue No:
LAB/306 24	Beaker, borosilicate glass, 250 cm ³ , low form, graduated, with spout	
	Manufacturer:	Catalogue No:
LAB/307 12	Beaker, borosilicate glass, 400 cm ³ , low form, graduated, with spout	
	Manufacturer:	Catalogue No:
LAB/308 12	Measuring cylinder, borosilicate glass with glass foot, graduated, 100 cm ³ x 1 cm ³ graduations, with spout	
	Manufacturer:	Catalogue No:
LAB/309 12	Measuring cylinder, borosilicate glass with glass foot, graduated, 250 cm ³ x 2 cm ³ graduations, with spout.	
	Manufacturer:	Catalogue No:
LAB/310 12	Dropping bottle, clear glass with polythene stoppers fitted with glass dropper and vinyl teat, nominal capacity 125 cm ³	
	Manufacturer:	Catalogue No:
LAB/311 12	Flask, conical, borosilicate, wide mouth, graduated, 100 cm ³	
	Manufacturer:	Catalogue No:
LAB/312 24	Flask, conical, borosilicate, wide mouth, graduated, 250 cm ³	
	Manufacturer:	Catalogue No:
LAB/313 12	Flask, round bottom, borosilicate, 250 cm ³	
	Manufacturer:	Catalogue No:
LAB/314 24	Funnel, conical, plain soda glass, 150 mm diameter.	
	Manufacturer:	Catalogue No:
LAB/315 2	Test-tubes, glass, borosilicate, medium wall, with rim, size 125 mm x 16 mm, pack 100	
	Manufacturer:	Catalogue No:
LAB/316 1	Boiling tubes, glass, borosilicate, medium wall, size 150 mm x 24 mm, pack 100	
	Manufacturer:	Catalogue No:
LAB/317 1	Pipettes, disposable, graduated with integral bulb, translucent, length 155 mm, inert polythene, 3 x 0.5 cm ³ (capacity x graduation), pack of 500.	
	Manufacturer:	Catalogue No:

LAB/318 12	Stirring rod, glass, one end round, other flat, length 200 mm		
	Manufacturer:	Catalogue No:	
LAB/319 12	Watch glasses, borosilicate, clear glass with ground edges, 100 mm diameter.		
	Manufacturer:	Catalogue No:	
LAB/320 6	Dispenser, bottle top, suitable for aqueous solutions, dilute acids and strong alkaline solutions. Volume can be set and locked, 45 mm thread with 32 and 40 mm adapters.		
	Manufacturer:	Catalogue No:	
LAB/321 24	Evaporating basin, porcelain, semi-deep with spout, Capacity, 75 cm ³ ; 82 × 32 mm		
	Manufacturer:	Catalogue No:	
LAB/322 10	Reagent bottles, amber glass, narrow mouth with interchangeable dustproof polythene stoppers with hexagonal heads, capacity 250 cm ³		
	Manufacturer:	Catalogue No:	
LAB/323 10	Reagent bottles, clear glass, narrow mouth with interchangeable dustproof polythene stoppers with hexagonal heads, capacity 250 cm ³		
	Manufacturer:	Catalogue No:	
LAB/324 6 each	Reagent bottles, labelled, clear or amber (A) glass, narrow mouth with interchangeable dustproof polythene stoppers with hexagonal heads or glass stopper, as appropriate, capacity 250 cm ³ Ethanoic (<i>acetic acid</i>), dilute Ammonia solution, dilute Copper(II) sulfate Fehlings solution 1 Fehlings solution 2 Hydrochloric acid, dilute Lime water Potassium iodide Sodium hydroxide, dilute		
	Manufacturer:	Catalogue No:	

Section 4: Safety Equipment		
LAB/400 24	Laboratory coats, white, cotton, front snap fasteners, range of sizes 36-44, length approx. 105 cm, one breast and two side pockets	
	Manufacturer:	Catalogue No:
LAB/401 30	Safety glasses, with side protection, should be capable of use over spectacles, adjustable sizes type. To Standard EN 166.	
	Manufacturer:	Catalogue No:
LAB/402 2	Eye-Wash Bottle, contoured eye-cup, capacity 500 cm ³	
	Manufacturer:	Catalogue No:
LAB/403 1	Fire Blanket, glass fibre, 80 cm × 92 cm	
	Manufacturer:	Catalogue No:
LAB/404 1	Eye wash station complete with two x 500 cm ³ saline eye wash containers.	
	Manufacturer:	Catalogue No:
LAB/405 2	Disposable eye baths, box 12.	
	Manufacturer:	Catalogue No:
LAB/406 1	First aid cabinet, c. 450 x 330 x 200 mm, metal, lockable, for wall mounting, complete with shelving, including shelving on inside of doors, to include plaster strip, rowa rolan, burn shield, burn gauze, cotton bandages, triangular bandages, zinc oxide tape, cotton wool, cotton buds, tube gauze, CPR mouth piece, gauze swabs, antihistamine cream, 'savlon' cream, burn cream, eye pads, optrex, dettol, scissors, forceps, safety pins, gloves, wound wipes, one shot eye wash, absorbent lint, ice pack, wound dressings, burn dressings, crepe bandage, ambulance pads, plasters.	
	Manufacturer:	Catalogue No:
LAB/407 6	Gloves, heat resistant – 230° for 15 s , 1 pair per pack, medium	
	Manufacturer:	Catalogue No:
LAB/408 2	Gloves, disposable, latex, large, pack 100	
	Manufacturer:	Catalogue No:
LAB/409 3	Gloves, heavy duty, red PVC, medium, 7.5, length 270 mm; pack a pair	
	Manufacturer:	Catalogue No:
LAB/410 1	Safety screen, polycarbonate panels (3) hinged, 610 mm high, outer panels, 230 mm wide, centre panel 300 mm wide, polypropylene bases for clamping/screwing to bench	
	Manufacturer:	Catalogue No:
LAB/411 3	Clamp, metal, 50 mm opening for use with safety screen above	
	Manufacturer:	Catalogue No:
LAB/412 1	Spill disposal kit, 5 L capacity container kit, with absorbent mats, 1 kg particulate absorbent, plastic disposal bags, wrap ties, scoop, brush, chemical resistant gloves and chemical goggles	
	Manufacturer:	Catalogue No:
LAB/413 1	Fire bucket	
	Manufacturer:	Catalogue No:

<p>Equipment for Science (Laboratory)</p> <p>Four Sections</p>
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Section	Code Quantity.	Descriptions & Specifications:	Total Cost €
Section 1	LAB/100–LAB/187	Basic Science Equipment.	
Section 2	LAB/200–LAB/249	Basic Science Equipment	
Section 3	LAB/300–LAB/324	Glass and Polypropylene Ware	
Section 4	LAB/400–LAB/413	Safety Equipment	

Sub-total: €	
Add for VAT: €	
Total Amount for LAB List: €	

<p>Standards, Specifications and Conditions</p>
<p align="center">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 and Skills.</p>
<p>It is essential that tenders and tenderers for equipment for school use shall:</p> <ul style="list-style-type: none"> • Comply fully with the specifications and be durable and safe for school use. • Comply fully with the standards as detailed and shall comply fully with European Standards (EN), both established and developing. • Comply with European electrical standards and CE marking as appropriate. • Fully comply with requirements in the Request for Tenders (RFT) document. • Be accompanied by documentation of sufficient detail for full evaluation. • Include the completed and signed certificate of compliance. <p><u>Award of a contract is conditional on the production of a current tax clearance certificate.</u></p> <p>Failure to comply with the above may result in the tender being deemed null and void.</p>

Certificate of Compliance with Standards, Specifications and 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 and in the Request for Tenders (RFT). I/We hold a current tax clearance certificate.

Company: _____

Signed: _____ **Date:** _____

Position: _____