



AN ROINN | DEPARTMENT
OIDEACHAIS | OF EDUCATION
AGUS SCILEANNA | AND SKILLS

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**Room: Science Laboratory and
Preparation Area**

Science Resource – RES

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 €:
RES/100 1	Adhesive Tape Dispenser	
	Manufacturer: Catalogue No:	
RES/101 2	Adhesive Tape, transparent, width 19 mm, in roll length 66 m.	
	Manufacturer: Catalogue No:	
RES/102 2	Blank labels, self adhesive, white, circles 12 mm diameter, supplied in dispenser pack of 900 labels approx.	
	Manufacturer: Catalogue No:	
RES/103 2	Benchkote, roll, 46 cm x 50 m, or equal.	
	Manufacturer: Catalogue No:	
RES/104 1	Bags, disposal, Polyethylene, non-sterile, can be autoclaved at 121 °C, printed with biohazard symbol, size c. 610 x 760 mm, pack 100	
	Manufacturer: Catalogue No:	
RES/105 1	Hazard warning label, self-adhesive vinyl roll, comprising 330 labels, 50 x 50 mm, on backing paper, text and symbols in black, CORROSIVE.	
	Manufacturer: Catalogue No:	
RES/106 1	Hazard warning label, self-adhesive vinyl roll, comprising 330 labels, 50 x 50 mm, on backing paper, text and symbols in black, HIGHLY FLAMMABLE.	
	Manufacturer: Catalogue No:	
RES/107 1	Hazard warning label, self-adhesive vinyl roll, comprising 330 labels, 50 x 50 mm, on backing paper, text and symbols in black, OXIDISING AGENT.	
	Manufacturer: Catalogue No:	
RES/108 1	Hazard warning label, self-adhesive vinyl roll, comprising 330 labels, 50 x 50 mm, on backing paper, text and symbols in black, IRRITANT.	
	Manufacturer: Catalogue No:	
RES/109 1	Paper roll, Milaroll or equivalent, green, 300 mm wide	
	Manufacturer: Catalogue No:	
RES/110 1	Galvanised reel dispenser, Milaroll or equivalent, to suit above	
	Manufacturer: Catalogue No:	
RES/111 2	Universal indicator charts, laminated, pack 10	
	Manufacturer: Catalogue No:	
RES/112 1	Hazard warning label, self-adhesive vinyl roll, comprising 330 labels, 50 x 50 mm, on backing paper, text and symbols in black, TOXIC.	
	Manufacturer: Catalogue No:	
RES/113 5	Test paper books, cobalt chloride, pack 10 books	
	Manufacturer: Catalogue No:	
RES/114 1	Parafilm, two-way stretch, 100 mm wide, roll length 38 m long	
	Manufacturer: Catalogue No:	
RES/115 4	Lens tissue, soft, lint-free, non-scratching, sheets 300 x 200 mm, boxes of 100 sheets.	
	Manufacturer: Catalogue No:	
RES/116 2	Rubber bands, packet 100, various sizes	
	Manufacturer: Catalogue No:	

RES/117 2	Rubber tubing, red. B.S. 2775, size N6.5 normal wall, 10 m length		
	Manufacturer:	Catalogue No:	
RES/118 2	Rubber tubing, red. B.S. 2775, size N8 normal wall 10 m length		
	Manufacturer:	Catalogue No:	
RES/119 2	Rubber tubing, red. B.S. 2775, size N5 normal wall, 10 m length		
	Manufacturer:	Catalogue No:	
RES/120 2	Rubber tubing, red. B.S. 2775, size H5 heavy wall, 10 m length		
	Manufacturer:	Catalogue No:	
RES/121 1	Silicone tubing, bore 6 mm x 10 mm o.d., coil 15 m		
	Manufacturer:	Catalogue No:	
RES/122 1	Silicone tubing, bore 8 mm x 12 mm o.d., coil 15 m		
	Manufacturer:	Catalogue No:	
RES/123 1	Tool kit: Comprising brush, forceps (fine point), assorted screw drivers, mains tester, 2 pliers, wire stripper, assorted Allen keys, spanner set, file, mirror, soldering iron and solder.		
	Manufacturer:	Catalogue No:	
RES/124 1	Triangular file, 150 mm		
	Manufacturer:	Catalogue No:	
RES/125 1	Cork borer set, nickel-plated brass, tube sizes 5 - 19		
	Manufacturer:	Catalogue No:	
RES/126 2	Cork, assorted, pack 150 approx		
	Manufacturer:	Catalogue No:	
RES/127 1	Craft knife with two packets of blades		
	Manufacturer:	Catalogue No:	
RES/128 1	Glass cutting knife, with replaceable blades		
	Manufacturer:	Catalogue No:	
RES/129 6	Absorption tubes, U form with side arms. Overall length x diameter 150 x 20 mm.		
	Manufacturer:	Catalogue No:	
RES/130 2	Jug, polypropylene, graduated, capacity 1 litre		
	Manufacturer:	Catalogue No:	
RES/131 6	Basin, polypropylene, rectangular, flat bottom, 35 mm x 310 mm x 125 mm deep (approximate dimensions).		
	Manufacturer:	Catalogue No:	
RES/132 1	Draining rack, fitted with wall protecting back panel and fixing lugs to take 30 test-tubes and 12 flasks or beakers		
	Manufacturer:	Catalogue No:	
RES/133	DELETED		
RES/134 2	Weighing boats, polystyrene, disposable, 30 cm ³ , pack of 500.		
	Manufacturer:	Catalogue No:	
RES/135 2	Weighing boats, polystyrene, disposable, 100 cm ³ , pack of 250.		
	Manufacturer:	Catalogue No:	
RES/136 2	Taper, wax, box 60		
	Manufacturer:	Catalogue No:	

RES/137 1	Wood splints, bundles of 1000 approx.	
	Manufacturer:	Catalogue No:
RES/138 2	Bell jar, borosilicate glass, graduated with stopper on top. Height x diameter 300 x 200 mm.	
	Manufacturer:	Catalogue No:
RES/139 6	Thermos vacuum flask or equivalent, 500 cm ³ capacity, silvered glass inner vessel, plastic outer container, screw stopper and cap	
	Manufacturer:	Catalogue No:
RES/140 2	Refill flasks, silvered glass inner vessel, 500 cm ³ capacity, for above	
	Manufacturer:	Catalogue No:
RES/141 12	Ball and ring apparatus, to show expansion of metal when heated	
	Manufacturer:	Catalogue No:
RES/142 3	Bar breaking apparatus, on expansion (heating) or contraction (cooling) of metal	
	Manufacturer:	Catalogue No:
RES/143 6	Breaking bars for above, pack 10	
	Manufacturer:	Catalogue No:
RES/144 1	Domestic heating system model with thermochromic liquid	
	Manufacturer:	Catalogue No:
RES/145 2	Thermochromic liquid, 1 L, for above	
	Manufacturer:	Catalogue No:
RES/146 3	Expansion of liquid apparatus, 5 bulb tubes, 40 mm diameter with stems 300 mm long in frame, with scales, housed in metal trough	
	Manufacturer:	Catalogue No:
RES/147 1	Leslie's cube, tin plate, black white, amber and polished bright tin surfaces, sides 130 mm, top opening 75 mm	
	Manufacturer:	Catalogue No:
RES/148 6	Electricity kit, components mounted on plastic base, with 4 mm sockets, to enable introductory circuit investigations (bulbs, cells, switches, electromagnets, motors, buzzers), with test leads, cell holders (D type), bulbs (MES) in holders, switches (press and two-way), variable resistors, motors, buzzers, electrode holders, diodes crocodile clips iron rods, carbon rods, insulated wire (reel)	
	Manufacturer:	Catalogue No:
RES/149 2	Electroscope, metal aluminium vane, 50 mm diameter charging disc mounted on metal casing with removable glass side panels	
	Manufacturer:	Catalogue No:
RES/150 1	Energy conversion kit, consisting of filament lamps, motors with mounted pulleys + drive belts, flywheel, capacitor, friction calorimeter, drop weight, batteries (1.5 V), electrical lead set for all interconnections	
	Manufacturer:	Catalogue No:
RES/151 1	Crookes' radiometer	
	Manufacturer:	Catalogue No:
RES/152 1	Solar Cell energy kit for schools to provide an introduction to solar energy. Comprising eight 500 mV 100 mA solar cells, miniature dc motor, small fan and other accessories to construct a working model	
	Manufacturer:	Catalogue No:

RES/153 1	Hoffmann voltameter, graduated, complete with stand, carbon and platinum electrodes.	
	Manufacturer:	Catalogue No:
RES/154 1	Stranded wire, 7/0.2 mm copper conductor, overall diameter 1.4 mm, supplied in packs of 20 m (2 m each of 10 different colours), 1.4 A	
	Manufacturer:	Catalogue No:
RES/155 6	Motor 6 V, d.c. with 4 mm sockets (demonstration purposes)	
	Manufacturer:	Catalogue No:
RES/156 6	Masses set, 10 N (9 x 1 N weights on 1 N hanger)	
	Manufacturer:	Catalogue No:
RES/157 1	Copper wire, uncovered, SWG 22 (c.0.64 mm), 250 g reel	
	Manufacturer:	Catalogue No:
RES/158 1	Copper wire, polyurethane covered, SWG 22 (c.0.64 mm), 125 g reel	
	Manufacturer:	Catalogue No:
RES/159 6	Masses set, 100 g (9 x 10 g slotted weights on 10 g hanger)	
	Manufacturer:	Catalogue No:
RES/160 6	Masses set, 1000 g (9 x 100 g slotted weights on 100 g hanger)	
	Manufacturer:	Catalogue No:
RES/161 2	Masses, general purpose set, 10 mg to 1 kg boxed.	
	Manufacturer:	Catalogue No:
RES/162 12	Slotted weights, each of 1 g, 2 g, 5 g.	
	Manufacturer:	Catalogue No:
RES/163 12	Pendulum bob, brass approx. 40 g with pointed index tip and hook.	
	Manufacturer:	Catalogue No:
RES/164 1	Aneroid barometer combined weather station (thermometer and hygrometer), range 960-1060 mb, temperature range 0°C – 40°C, humidity 20-100% RH. Strong cover glass, clear display with index pointer and setting knob.	
	Manufacturer:	Catalogue No:
RES/165 1	Wormery, size 400 x 250 mm approx., complete with removable glass plates.	
	Manufacturer:	Catalogue No:
RES/166 1	Thermometer, soil, spirit in glass, range –10 to 110°C, mounted in an aluminium tube 225 mm long with probe end for inserting into soil and a cut out front for reading the temperature. Top marked with large red sphere.	
	Manufacturer:	Catalogue No:
RES/167 1	Thermometer, general purpose Max. and Min., scale –30 to +50°C, with two resetable cursors, in wall mounting white plastic case with sloping weather shield, (Six's Pattern)	
	Manufacturer:	Catalogue No:
RES/168 6	Compass, map, oil filled rotating dial, luminous N needle and points, 60 x 125 mm approx.	
	Manufacturer:	Catalogue No:
RES/169 12	Quadrat, steel frame, plastic coated protective covering, 0.5 x 0.5 m	
	Manufacturer:	Catalogue No:

RES/170 2	Tape measure, PVC coated fibre glass, width 13 mm, graduated one side every 10mm and figured every tenth of metre with metre figures in red, in an ABS plastic case with rewind handle, 50 m length.	
	Manufacturer:	Catalogue No:
RES/171 2	Rope, for line transect, coloured nylon, lightweight, roll 50 m long	
	Manufacturer:	Catalogue No:
RES/172 4	Trundle wheel, ABS plastic moulded trundle wheel, non-slip type, detachable handle for easy storage, 1 m circumference and marked every 5 cm with larger markings every 25 cm, adjustable clicker, complete with trundle wheel counter.	
	Manufacturer:	Catalogue No:
RES/173 2	Surveying (Tent) pegs, plastic, pack 10	
	Manufacturer:	Catalogue No:
RES/174 2	Insect net, 375 mm frame, 600 mm deep, with handle	
	Manufacturer:	Catalogue No:
RES/175 12	Pooter, plastic, complete with mouth piece and collecting tubes	
	Manufacturer:	Catalogue No:
RES/176 6	Funnel, Tullgren, supplied with coarse and fine meshes, glass collection dish, lamp and 1.5 m 3-core cable, for use on AC mains, 230 V.	
	Manufacturer:	Catalogue No:
RES/177 6	Counter, tally, figures 4 mm high, white on black background, in chrome-plated case.	
	Manufacturer:	Catalogue No:
RES/178 1	Dissecting magnifier, tripod type, lens 100 mm diameter, swivel type, telescopic legs	
	Manufacturer:	Catalogue No:
RES/179 4	Razor Blade, safety backed, pack 10	
	Manufacturer:	Catalogue No:
RES/180 2	Syringes, polypropylene, disposal, with Luer nozzle, pack of 20, capacity 10 cm ³	
	Manufacturer:	Catalogue No:
RES/181 1	Syringe needles, stainless steel, disposal, with Luer push fitting, 20G x 1in, (0.9 x 25 mm, diameter x length), pack of 100, for use with RES/180	
RES/182 12	Dissecting needle, straight, stainless steel in plain wooden handle	
	Manufacturer:	Catalogue No:
RES/183 1	Sharps container, leak proof, puncture resistant, fully labelled, complete with remover, handle and locking closure, c. 6.5 L	
	Manufacturer:	Catalogue No:
RES/184 2	Petri dishes, sterile, polystyrene disposable, 90 mm x 12 mm, pack of 500	
	Manufacturer:	Catalogue No:

RES/185 6	<p>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.</p> <p style="color: red; font-weight: bold;">Two year warranty.</p> <p>Manufacturer: _____ Catalogue No: _____</p>	
RES/186 1	<p>Microscope, stereoscopic, binocular head inclined at 50° – 55°, interpupillary distance adjustment; rack and pinion focusing. Eyepieces x10 with x2 and x4 turret objectives. Fitted with top/bottom fluorescent illuminator, for use with 230 V 50 Hz supply. Supplied with dust cover.</p> <p style="color: red; font-weight: bold;">Two year warranty.</p> <p>Manufacturer: _____ Catalogue No: _____</p>	
RES/187 12	<p>Glass block, optically worked surfaces, for refractive experiments, 70 x 50 x 18 mm approx.</p> <p>Manufacturer: _____ Catalogue No: _____</p>	
RES/188 12	<p>Prism, crown glass, 90° x 45° x 45°, 50 mm face size</p> <p>Manufacturer: _____ Catalogue No: _____</p>	
RES/189 1	<p>Hot plate with magnetic stirrer. Thermostatically controlled up to 400 °C, electronic speed control up to 1300 rpm, a.c., 230 V power supply</p> <p style="color: red; font-weight: bold;">Two year warranty.</p> <p>Manufacturer: _____ Catalogue No: _____</p>	
RES/190 1	<p>Magnetic follower bar, PTFE coated, centre rim, length 25 mm, for above</p> <p>Manufacturer: _____ Catalogue No: _____</p>	
RES/191 2	<p>Multi-mantle, electrothermal, integral energy regulator for heating liquids in flasks, spill proof, capacity 50-1000 cm³, 230 V, 50 Hz</p> <p style="color: red; font-weight: bold;">Two year warranty.</p> <p>Manufacturer: _____ Catalogue No: _____</p>	
RES/192 12	<p>Electric hot plate, halogen, maximum temperature 450°C, precise variable electronic heat control, glass-ceramic top plate, 290 x 290 with central heated area 140 mm diameter, safety "Hot" light feature. Single phase supply, 1200 W, 230 V, 50-60 Hz</p> <p style="color: red; font-weight: bold;">Two year warranty.</p> <p>Manufacturer: _____ Catalogue No: _____</p>	
RES/193 1	<p>Oven / Incubator, range 20°C – 200°C or nearest, capacity 50 L, number of movable shelves 2 (3 positions), wattage 1000, dimensions H x W x D 33 x 49 x 33 cm or nearest equivalent, 230 V a.c., complete with 2 m three-core cable (note: thermostat and heating elements must be easily replaceable)</p> <p style="color: red; font-weight: bold;">Two year warranty.</p> <p>Manufacturer: _____ Catalogue No: _____</p>	
RES/194 1	<p>Water bath, 22 litres capacity, stainless steel interior with removable false base, digital temperature controller and display, stove enamel or plastic finished exterior, temperature range from ambient to 100 °C, stirrer/control unit mounted on end of bath, user resettable safety cut-out device, 1250 W, single phase, 230 V, 50 Hz.</p> <p style="color: red; font-weight: bold;">Two year warranty.</p> <p>Manufacturer: _____ Catalogue No: _____</p>	

RES/196 1	Deioniser, on wall mounting bracket, with inlet valve and minimum of 1 m outlet tube, battery operated colour coded conductivity meter allowing instant monitoring of the treated water quality, cartridge output min. 200 litres with min. flow rate of 25 L/hour within range 1.0 to 0.1 μ S/cm for moderately hard water. Complete with 2 no. spare cartridges.	
	Manufacturer: _____	Catalogue No: _____
RES/197 1	Refrigerator, min. 3-star, 600 mm x 600 mm x 1500 mm high, 50/50 fridge/freezer (50:50), c.180 litre capacity, with rust proof inner liner, auto defrost, 230 V, 50 Hz. <i>(Not for chemical storage)</i> . Energy efficiency Class A.	
	Two year warranty.	
	Manufacturer: _____	Catalogue No: _____
RES/198 1	Microwave oven, 1000 W, electronic controls and digital displays, glass turntable, 20 L capacity approx. Energy efficiency Class A.	
	Two year warranty.	
	Manufacturer: _____	Catalogue No: _____
RES/199 1	Dishwasher, settings to 65°C, stainless steel interior, 230 V 50 Hz, hot and cold water supplies. Size c.600x600x850 high mm. Energy efficiency Class A	
	Two year warranty.	
	Manufacturer: _____	Catalogue No: _____

Section 2: Glass and Polythene ware		
RES/200 10	Flask, volumetric, glass with polypropylene stopper, 250 cm ³	
	Manufacturer: _____	Catalogue No: _____
RES/201 5	Flask, volumetric, glass with polypropylene stopper, 500 cm ³	
	Manufacturer: _____	Catalogue No: _____
RES/202 2	Flasks, volumetric, glass, with polypropylene stopper, 1000 cm ³	
	Manufacturer: _____	Catalogue No: _____
RES/203 3	Measuring cylinders with spout, borosilicate glass, nominal capacity 500 cm ³	
	Manufacturer: _____	Catalogue No: _____
RES/204 3	Measuring cylinders with spout, borosilicate glass, nominal capacity 1000 cm ³	
	Manufacturer: _____	Catalogue No: _____
RES/205 1	Tubing, soda lime glass, external diameter 8mm, pack 10 x 1.5 m lengths	
	Manufacturer: _____	Catalogue No: _____
RES/206 1	Capillary tubing, soda lime glass, length 1.5 m, external diameter 8 mm, pack 278	
	Manufacturer: _____	Catalogue No: _____
RES/207 12	Tube, combustion, borosilicate glass, open at both ends, inner diameter 22 mm x 300 mm length	
	Manufacturer: _____	Catalogue No: _____
RES/208 12	Jointed glass set, one joint size 14/23 only comprising the following items: Liebig condenser, pear shaped flask (50 cm ³ capacity), stillhead (plain with thermometer socket), cone/screw-thread adapter, receiver adapter (plain bend, long), air/steam inlet tube (straight with cone), dropping tap funnel, stopper, thermometer (-10 to 250°C) or equivalent set 14J4 or 17BU	
	Manufacturer: _____	Catalogue No: _____
RES/209 1	Pipette, graduated (0.2 cm ³), 25 cm ³ capacity, pack 5	
	Manufacturer: _____	Catalogue No: _____
RES/210 1	Distillation apparatus (demonstration), jointed glass, comprising: 1 flask, 100 cm ³ , pear shaped, socket/cone size 14/23; 1 Liebig condenser, socket 14/23, cone 10/13; 1 stopper, hollow glass, closed ends, size 14/23; 1 receiver, socket size 10/13, plain bend, short	
	Manufacturer: _____	Catalogue No: _____
RES/211 15	Reagent bottles, amber glass, narrow mouth with interchangeable dustproof polythene stoppers with hexagonal heads, capacity 250 cm ³	
	Manufacturer: _____	Catalogue No: _____
RES/212 1	Bottles, sample, clear polypropylene, polyethylene screw cap, 60 cm ³ capacity, case 300	
	Manufacturer: _____	Catalogue No: _____

Section 3: Anatomical Models		
RES/300 1	Model of the heart, two parts, front heart wall removed to reveal the chambers and valves inside, removable base and English key card	
	Manufacturer:	Catalogue No:
RES/301 1	Model of elbow joint, life size, on stand	
	Manufacturer:	Catalogue No:
RES/302 1	Human circulatory system model, heart, blood vessels, lungs, complete with red dye and pumping system, on a stand	
	Manufacturer:	Catalogue No:
RES/303 1	Human eye model, enlarged $\times 5$ times, 8 parts, on a base	
	Manufacturer:	Catalogue No:
RES/304 1	Replica human skeleton, plastic, full size, fully articulated. Skull divisible into three, arms and legs detachable, complete with roller stand and dust cover, height 1.75 m approx.	
	Manufacturer:	Catalogue No:
RES/305 1	Human torso, bisexual, interchangeable male and female genital organs, dissectible into parts, mounted on base, life size.	
	Manufacturer:	Catalogue No:

Section 4: Chemicals and Reagents		
RES/400 1	Agar, nutrient, all purpose, 500 g	
	Manufacturer:	Catalogue No:
RES/401 1	Aluminium foil, 500 mm wide roll, 75 m long	
	Manufacturer:	Catalogue No:
RES/402 1	Aluminium sulfate, 100 g	
	Manufacturer:	Catalogue No:
RES/403 1	Ammonia solution, 0.88%, 2.5 L	
	Manufacturer:	Catalogue No:
RES/404 1	Amylase, enzyme, 25 g	
	Manufacturer:	Catalogue No:
RES/405 1	Anti-bumping granules, 250 g	
	Manufacturer:	Catalogue No:
RES/406 1♣	♣Biuret reagent, 500 cm ³	
	Manufacturer:	Catalogue No:
RES/407 1	Benedict's reagent, qualitative, 500 cm ³	
	Manufacturer:	Catalogue No:
RES/508 2	Candles, medium size, pack 12	
	Manufacturer:	Catalogue No:
RES/409 12	Chinagraph pencils, blue	
	Manufacturer:	Catalogue No:
RES/410 1	Copper(II) sulfate, 500 g	
	Manufacturer:	Catalogue No:
RES/411 1	Copper(II) sulfate, anhydrous, 250 g	
	Manufacturer:	Catalogue No:
RES/412 1	Calcium carbonate, 1 kg	
	Manufacturer:	Catalogue No:
RES/413 1	Calcium chloride, 500 g	
	Manufacturer:	Catalogue No:
RES/414 1♣	♣Calcium granules, 50 g	
	Manufacturer:	Catalogue No:
RES/415 1	Calcium hydroxide, 500 g	
	Manufacturer:	Catalogue No:
RES/416 1	Calcium sulfate, 500g	
	Manufacturer:	Catalogue No:
RES/417 1	Charcoal, granular, activated, 500 g	
	Manufacturer:	Catalogue No:
RES/418	DELETED	
	Manufacturer:	Catalogue No:
RES/419	DELETED	
RES/420 1	Copper powder, 100 g	
	Manufacturer:	Catalogue No:

RES/421 1	Copper turnings, 500 g		
	Manufacturer:	Catalogue No:	
RES/422 1	Cotton wool, non absorbent, rolls 500 g		
	Manufacturer:	Catalogue No:	
RES/423 1	Disclosing tablets, pack 30 tablets		
	Manufacturer:	Catalogue No:	
RES/424 1♣	♣ Ethanoic (acetic) acid, 1 L		
	Manufacturer:	Catalogue No:	
RES/425 1	Ethanol, 95% (industrial methylated spirits), 2.5 L		
	Manufacturer:	Catalogue No:	
RES/426 1	Fehlings solution No. 1, 500 cm ³		
	Manufacturer:	Catalogue No:	
RES/427 1	Fehlings solution No. 2, 500 cm ³		
	Manufacturer:	Catalogue No:	
RES/428 1	Food dye, water soluble, blue, 100 cm ³		
	Manufacturer:	Catalogue No:	
RES/429 1	Food dye, water soluble, green, 100 cm ³		
	Manufacturer:	Catalogue No:	
RES/430 1	Food dye, water soluble, red, 100 cm ³		
	Manufacturer:	Catalogue No:	
RES/431 1	Glass wool, 500 g		
	Manufacturer:	Catalogue No:	
RES/432 1	Glucose, anhydrous, 500 g		
	Manufacturer:	Catalogue No:	
RES/433 1♣	♣ Hydrochloric acid, conc. 2.5 L		
	Manufacturer:	Catalogue No:	
RES/434 1	Hydrogen peroxide, 500 cm ³ , c.6% w/v.		
	Manufacturer:	Catalogue No:	
RES/435 1	Indicator pH Paper, 6 Reel Set, including two dispensers of full-range Indicator paper (pH 1-14) + one dispenser of each of the narrow range paper, pH 1-4, 4-6, 6-8, 8-10. Each paper reel 5 m long x 6mm wide.		
	Manufacturer:	Catalogue No:	
RES/436 1	Iodine, 10 g		
	Manufacturer:	Catalogue No:	
RES/437 1	Iodine solution, 500 cm ³		
	Manufacturer:	Catalogue No:	
RES/438 1	Iron filings, fine, 250 g		
	Manufacturer:	Catalogue No:	
RES/439 1	Iron filings, coarse, 250 g		
	Manufacturer:	Catalogue No:	
RES/440 1	Iron sulfate, 500 g		
	Manufacturer:	Catalogue No:	
RES/441 1♣	♣ Lithium (metal rods), 10 g		
	Manufacturer:	Catalogue No:	

RES/442 5 reels	Litmus paper, red, reel, 5 m long x 6 mm wide		
	Manufacturer:	Catalogue No:	
RES/443 5 reels	Litmus paper, blue, reel, 5 m long x 6 mm wide		
	Manufacturer:	Catalogue No:	
RES/444 1	Litmus powder, 10 g		
	Manufacturer:	Catalogue No:	
RES/445 1	Lime water, 500 cm ³		
	Manufacturer:	Catalogue No:	
RES/446 1	Magnesium oxide, 500 g		
	Manufacturer:	Catalogue No:	
RES/447 1	Magnesium powder, coarse, 100 g		
	Manufacturer:	Catalogue No:	
RES/448 1	Magnesium ribbon, 25 g		
	Manufacturer:	Catalogue No:	
RES/449 1	Magnesium turnings, 500 g		
	Manufacturer:	Catalogue No:	
RES/450 1	Manganese(IV) oxide, precipitated, 500 g		
	Manufacturer:	Catalogue No:	
RES/451 1	Marble chips, 500 g		
	Manufacturer:	Catalogue No:	
RES/452 1♣	♣Methylene blue for microscopical staining, 25 g		
	Manufacturer:	Catalogue No:	
RES/453 1	Oxalic acid (ethanedioic), 500 g		
	Manufacturer:	Catalogue No:	
RES/454 1♣	♣Phenolphthalein (pH indicator) 1% indicator solution in 50% ethanol, 250 cm ³		
	Manufacturer:	Catalogue No:	
RES/455 1♣	♣Potassium, 10 g		
	Manufacturer:	Catalogue No:	
RES/456 1	Potassium iodide, 100 g		
	Manufacturer:	Catalogue No:	
RES/457 1	Potassium manganate(VII), 250 g		
	Manufacturer:	Catalogue No:	
RES/458 1	Sach's water culture set to demonstrate mineral deficiency in plants		
	Manufacturer:	Catalogue No:	
RES/459 1	Silica gel (self-indicating), 250 g		
	Manufacturer:	Catalogue No:	
RES/460 1♣	♣Soda lime, 500 g		
	Manufacturer:	Catalogue No:	
RES/461 1	Sodium carbonate, 500 g		
	Manufacturer:	Catalogue No:	
RES/462 1	Sodium chloride, 500 g		
	Manufacturer:	Catalogue No:	

RES/463 1	Sodium hydrogen carbonate, 500 g		
	Manufacturer:	Catalogue No:	
RES/464 1	Sodium hydrogen sulfite (metabisulfite), 100 g		
	Manufacturer:	Catalogue No:	
RES/465 1♣	♣Sodium hydroxide pellets, 500 g		
	Manufacturer:	Catalogue No:	
RES/466 1♣	♣Sodium metal pellets, in paraffin, 10 g		
	Manufacturer:	Catalogue No:	
RES/467 1	Starch, soluble, 200 g		
	Manufacturer:	Catalogue No:	
RES/468 1	Sucrose, 500 g		
	Manufacturer:	Catalogue No:	
RES/469 1	Sulfur, fine powder, 250 g		
	Manufacturer:	Catalogue No:	
RES/470 1♣	♣Sulfuric acid, sp.gr. 1.84, 2.5 L		
	Manufacturer:	Catalogue No:	
RES/471 1	Steel wool, 500 g		
	Manufacturer:	Catalogue No:	
RES/472 1	Universal indicator solution, full range pH 1-14, 500 cm ³		
	Manufacturer:	Catalogue No:	
RES/473 2	Universal indicator paper, full range (pH 1-14), 4 reel pack		
	Manufacturer:	Catalogue No:	
RES/474 1	Visking tubing, 14 mm x 25 mm (inflated diameter x flat width), roll 5 m		
	Manufacturer:	Catalogue No:	
RES/475 6	Clips (for Visking tubing), to close end of tubing up to 29 mm inflated diameter, pack of 10.		
	Manufacturer:	Catalogue No:	
RES/476 1	Wax, paraffin, 1 kg		
	Manufacturer:	Catalogue No:	
RES/477 1	Zinc, granulated, 500 g		
	Manufacturer:	Catalogue No:	

Section 5: Safety Equipment		
RES/500 1	Fire blanket, glass fibre, c. 80 cm × 92 cm	
	Manufacturer: _____ Catalogue No: _____	
RES/501 1	Face shield, lightweight with polycarbonate visor, adjustable head harness and brow guard	
	Manufacturer: _____ Catalogue No: _____	
RES/502 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: _____	
RES/503 1	Safety screen, polycarbonate panels (3) hinged, approx. Dimensions: 610mm high, outer panels, 230 mm wide, centre panel 300 mm wide, polypropylene bases for clamping/screwing to bench	
	Manufacturer: _____ Catalogue No: _____	
RES/504 3	Clamp, metal, 50 mm opening for use with safety screen above	
	Manufacturer: _____ Catalogue No: _____	
RES/505 2	Winchester carrier, polythene coated steel wire frame, with handles and feet, for two Winchester bottles.	
	Manufacturer: _____ Catalogue No: _____	
RES/506 2	Pipette filler, acid resistant plastic, for precision filling and dispensing from all standard pipettes, from micro size to 25 cm ³ , complete with release valve for rapid pipetting, for 25 cm ³ pipette	
	Manufacturer: _____ Catalogue No: _____	
RES/507 2	Storage Cabinets c.450x600x750 mm high – one for flammable and one for corrosive liquids (items SCF on Room Layouts).	
	Manufacturer: _____ Catalogue No: _____	

Equipment for Science (Resource)			
Five Sections			
Section	Code Quantity	Descriptions & Specifications	Total Cost €:
Section 1	RES/100 - RES/197	Basic Science Equipment.	
Section 2	RES/200 - RES/212	Glass and Polythene Ware	
Section 3	RES/300 - RES/305	Anatomical Models	
Section 4	RES/400 - RES/477	Chemicals and Reagents	
Section 5	RES/500 - RES/507	Safety Equipment	
Sub-total : €			
Add for VAT: €			
Total Amount for RES List: €			

<h2>Standards, Specifications and Conditions</h2>
<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 & 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>
<h3>Certificate of Compliance with Standards, Specifications and Conditions</h3>

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: _____