

SECTION A: SAFETY EQUIPMENT

| SAFETY EQUIPMENT | | | |
|---------------------------------|---|-------------------------|------------------------|
| Description | Qty per classroom of 30 students | Unit price (USD) | Qty Price (USD) |
| Eye wash station | 3 | 35.00 | 105.00 |
| Fire extinguisher (1 Kg powder) | 3 | 40.00 | 120.00 |
| First aid kit (set) | 3 | 35.00 | 105.00 |
| Safety goggles | 32 | 5.00 | 160.00 |
| Latex gloves (box) | 10 | 15.00 | 150.00 |
| Thick Rubber Gloves (pair) | 3 | 4.00 | 12.00 |
| Nose mask (box) | 10 | 10.00 | 100.00 |
| SUB TOTAL (A) | | | 752.00 |

SECTION B: PHYSICS

| WORKROOM EQUIPMENT | | | | |
|---------------------------|------------------------------------|---|-------------------------|------------------------|
| S/ N | Description | Qty per classroom of 30 students | Unit price (USD) | Qty Price (USD) |
| 1 | Ammeter (0-5A) | 6 | 60.00 | 360.00 |
| 2 | Magnet (Complete set) | 3 | 80.00 | 240.00 |
| 3 | Battery box | 3 | 30.00 | 90.00 |
| 4 | Batteries, Alkaline, size AA (box) | 2 | 25.00 | 50.00 |
| 5 | Compass, magnetic | 6 | 5.00 | 30.00 |
| 6 | Dry cell battery | 3 | 30.00 | 90.00 |
| 7 | Electronic timer | 3 | 30.00 | 90.00 |
| 8 | Mass set (10 to 500g)-pack | 3 | 40.00 | 120.00 |
| 9 | Meter sticks | 3 | 10.00 | 30.00 |
| 10 | Mirrors, concave | 10 | 7.00 | 70.00 |
| 11 | Mirrors, convex | 10 | 7.00 | 70.00 |
| 12 | Mirrors, plain | 10 | 1.50 | 15.00 |

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| 13 | Multimeter, digital | 3 | 60.00 | 180.00 |
| 14 | Prisms | 3 | 10.00 | 30.00 |
| 15 | Ray box | 3 | 30.00 | 90.00 |
| 16 | Spring scales | 3 | 25.00 | 75.00 |
| 17 | Thermometers (-10 to 110°C) | 3 | 20.00 | 60.00 |
| 18 | Tuning fork (set of 2) | 3 | 50.00 | 150.00 |
| 19 | Vernier calipers | 3 | 50.00 | 150.00 |
| 20 | Voltmeter (0-5V) | 3 | 40.00 | 120.00 |
| 21 | Copper wire & crocodile clip (set) | 3 | 30.00 | 90.00 |
| 22 | Galvanometer | 3 | 45.00 | 135.00 |
| 23 | Converging lens | 3 | 10.00 | 30.00 |
| 24 | Diverging lens | 3 | 10.00 | 30.00 |
| SUB TOTAL (B) | | | | 2,395.00 |

SECTION C: CHEMISTRY EQUIPMENT

| EQUIPMENT/SUPPLIES | | | | |
|--|---|-------------------------|------------|--------------------|
| Description | Qty per classroom of 30 students | Unit price (USD) | Qty | Price (USD) |
| Aluminum foil (rolls) | 3 | 5.00 | | 15.00 |
| Balance, analytical (0.001g precision) | 3 | 250.00 | | 750.00 |
| Balance, beam (0.01g precision) | 3 | 160.00 | | 480.00 |
| Beakers (assorted glass) | 36 | 15.00 | | 540.00 |
| Beakers (assorted glass) | 36 | 8.00 | | 288.00 |
| Brushes, bottle/beaker | 3 | 6.00 | | 18.00 |
| Brushes, test tube | 3 | 3.00 | | 10.00 |
| Buret, 50ml (0.1mL graduations) | 6 | 25.00 | | 150.00 |
| Buret clamps, double | 6 | 20.00 | | 180.00 |
| Butane gas burners | 3 | 25.00 | | 75.00 |
| Butane gas canisters | 6 | 5.00 | | 30.00 |
| Centrifuge tube | 8 | 3.00 | | 24.00 |

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| Centrifuge, 8-pots | 1 | 250.00 | 250.00 |
| Counter brush | 3 | 3.00 | 9.00 |
| Crucible tongs | 3 | 25.00 | 75.00 |
| Desiccator | 1 | 75.00 | 75.00 |
| Evaporating dish, procelain | 3 | 5.00 | 15.00 |
| Filter paper (pack) | 3 | 20.00 | 60.00 |
| Flasks, Erlenmeyer (assorted) | 24 | 10.00 | 240.00 |
| Flask, Florence (assorted) | 24 | 10.00 | 240.00 |
| Flasks, volumetric (assorted) | 24 | 10.00 | 240.00 |
| Funnels, glass 5" | 6 | 10.00 | 60.00 |
| Funnels, plastic, 5" | 6 | 5.00 | 30.00 |
| Gas measuring tube, glass tubing | 10 | 1.00 | 10.00 |
| Graduated cylinders (assorted glass) | 12 | 12.00 | 144.00 |
| Graduated cylinders (assorted plastic) | 24 | 8.00 | 192.00 |
| Medicine dropper | 10 | 1.00 | 10.00 |
| Paper towel dispenser | 3 | 10.00 | 30.00 |
| Paper towel (roll) | 3 | 3.00 | 9.00 |
| Periodic table wall chart | 1 | 35.00 | 35.00 |
| pH strips (pack) | 3 | 10.00 | 30.00 |
| Pipette (assorted) | 9 | 10.00 | 90.00 |
| Titration Stand (set) | 3 | 50.00 | 150.00 |
| Spatulas, scoops | 3 | 1.00 | 3.00 |
| Stirring rods | 3 | 5.00 | 15.00 |
| Syringes (assorted) | 24 | 0.50 | 12.00 |
| Test tube holders | 3 | 8.00 | 24.00 |

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| Test tube rack | 3 | 15.00 | 45.00 |
| Test tubes (pack) | 1 | 100.00 | 100.00 |
| Thermometers (-10 to 110°C) | 20 | 15.00 | 300.00 |
| Tripod, clay | 3 | 5.00 | 15.00 |
| SUB TOTAL (C) | | | 5,068.00 |

SECTION D: CHEMICALS & CONSUMABLES FOR CHEMISTRY & BIOLOGY LABS

| ESSENTIAL CHEMICALS (CONSUMABLES) | | | | |
|--|---|---|--------|--------|
| 1 | Acetic acid glacial, ACS grade (17.4M)- 500mL | 1 | 36.00 | 36.00 |
| 2 | Acetone, laboratory solution -500mL | 1 | 30.00 | 30.00 |
| 3 | Ascorbic acid (100g) | 1 | 15.00 | 15.00 |
| 4 | Ammonia (500mL) | 1 | 30.00 | 30.00 |
| 5 | Calcium chloride anhydrous, lumps-500g | 1 | 38.00 | 38.00 |
| 6 | Candles (pack) | 1 | 2.00 | 2.00 |
| 7 | Carbon tetrachloride-500mL | 1 | 35.00 | 35.00 |
| 8 | Copper turnings-100g | 1 | 35.00 | 35.00 |
| 9 | Ethanol absolute-1L | 1 | 30.00 | 30.00 |
| 10 | Hydrochloric acid, HPLC grade (1N) -500mL | 1 | 40.00 | 40.00 |
| 11 | Hydrogen peroxide, laboratory grade -500mL | 1 | 25.00 | 25.00 |
| 12 | Iron fillings-100g | 1 | 20.00 | 20.00 |
| 13 | Iron (II) sulfate 7-hydrate, granular-500g | 1 | 48.00 | 48.00 |
| 14 | Magnesium ribbon- reel | 1 | 43.00 | 43.00 |
| 15 | Manganese (IV) dioxide, reagent-500g | 1 | 50.00 | 50.00 |
| 16 | Methanol, lab grade-500mL | 1 | 35.00 | 35.00 |
| 17 | Methyl orange indicator-125mL | 1 | 28.00 | 28.00 |
| 18 | Phenolphthalein, lab grade, powder -10g | 1 | 50.00 | 50.00 |
| 19 | Potassium hydroxide-500g | 1 | 50.00 | 50.00 |
| 20 | Potassium iodide-100g | 1 | 38.00 | 38.00 |
| 21 | Potassium permanganate-500g | 1 | 50.00 | 50.00 |
| 22 | Silver nitrate-100g | 1 | 127.00 | 127.00 |
| 23 | Sodium bicarbonate powder-500g | 1 | 40.00 | 40.00 |
| 24 | Sodium carbonate anhydrous-500g | 1 | 40.00 | 40.00 |
| 25 | Sodium chloride granular reagent grade-500g | 1 | 25.00 | 25.00 |
| 26 | Sodium hydroxide, pellets-500g | 1 | 50.00 | 50.00 |
| 27 | Sodium metabisulfate-500g | 1 | 42.00 | 42.00 |

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|----------------------|--|---|--------|-----------------|
| 28 | Sodium thiosulfate-500g | 1 | 40.00 | 40.00 |
| 29 | Starch soluble, powder-500g | 1 | 22.00 | 22.00 |
| 30 | Strontium chloride 6-hydrate, granular-5g | 1 | 20.00 | 20.00 |
| 31 | Sulfur-500g | 1 | 39.00 | 39.00 |
| 32 | Zinc, granular-500g | 1 | 40.00 | 40.00 |
| 33 | Zinc oxide-500g | 1 | 45.00 | 45.00 |
| 34 | Benedict's solution, 500mL | 1 | 40.00 | 40.00 |
| 35 | Fehling solution (A & B), 500mL | 2 | 40.00 | 80.00 |
| 36 | Formaldehyde solution (45%)-gallon | 1 | 200.00 | 200.00 |
| 37 | Glucose (Karo syrup), bottle | 1 | 30.00 | 30.00 |
| 38 | Isopropanol (70%)-500mL | 1 | 10.00 | 10.00 |
| | Litmus paper (red)-pack of 100 strips | 3 | 5.00 | 15.00 |
| | Litmus paper (blue)-pack of 100 strips | 3 | 5.00 | 15.00 |
| | Litmus paper (neutral) -pack of 100 strips | 3 | 5.00 | 15.00 |
| | Potassium dichromate | 1 | 48.00 | 48.00 |
| | Gram stain Kit (set) | 3 | 50.00 | 150.00 |
| | Iodine Bp, 500ml | 1 | 10.00 | 10.00 |
| SUB TOTAL (D) | | | | 1,871.00 |

SECTION E: BIOLOGY

| WORKROOM EQUIPMENT | | | | |
|--|---|-------------------------|------------|--------------------|
| Description | Qty per classroom of 30 students | Unit price (USD) | Qty | Price (USD) |
| Autoclave or pressure cooker (set) | 1 | 150.00 | | 150.00 |
| Blender | 1 | 90.00 | | 90.00 |
| Charts: assorted biological | 15 | 10.00 | | 150.00 |
| Dissecting kit (set) | 6 | 50.00 | | 300.00 |
| Forceps | 6 | 1.00 | | 6.00 |
| Hand lenses | 6 | 5.00 | | 30.00 |
| Mortar & pestle | 3 | 15.00 | | 45.00 |
| Microscopes, compound light (student field) | 6 | 350.00 | | 2100.00 |
| Microscope slide (plain)-pack Of 50 | 6 | 15.00 | | 90.00 |
| Microscope slide cover glass-pack of 50 | 6 | 10.00 | | 60.00 |
| Microscope slide (assorted prepared slides)-pack | 10 | 90.00 | | 900.00 |

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|--|----|--------|-----------------|
| Model: human torso | 1 | 600.00 | 600.00 |
| Model: human skeletal | 1 | 600.00 | 600.00 |
| Model: human organs (assorted) | 6 | 70.00 | 420.00 |
| Preservation jars | 10 | 6.00 | 60.00 |
| Refrigerator (for specimen preservation) | 1 | 175.00 | 175.00 |
| SUB TOTAL (E) | | | 5,776.00 |

SUMMARY

| S/N | Subject | Grand Total (USD) |
|-------------------------|----------------------|-------------------|
| 1 | Chemistry | 5,068.00 |
| 2 | Biology | 5,776.00 |
| 3 | Physics | 2,395.00 |
| 4 | Chemicals & Reagents | 1,871.00 |
| 5 | Safety Equipment | 752.00 |
| Total Cost (USD) | | 15,862.00 |