

# GRADE 10 – 12 PHYSICAL SCIENCE & CHEMISTRY KIT

CODE: KSTASKX10128062

- 1 Ripple Tank .....
- 1 Force Board with Legs .....
- 1 Boyle's Law Apparatus – 250 KPA .....
- 1 Filter Paper .....
- 1 Glass Burette - 25ml .....
- 1 Bicycle Pump .....
- 1 Electrodynamics Apparatus .....
- 1 Electric Field Apparatus with Piezo.....
- 1 Balance Kit - Double Beam .....
- 1 Optics Kit .....
- 1 Dynamics Track ( Separate ) .....
- 2 Beakers – 250ml.....
- 1 Boiling Flask – 250ml .....
- 1 Large Burner .....
- 2 Glass Conical Flasks – 250ml .....
- 1 Glass Rod – 200mm.....
- 1 Evaporating Basin .....
- 1 Plastic Pipette – 10ml .....
- 1 Crucible Tong .....
- 5 Petri Dish .....

- 1 Plastic Trough.....
- 2 Gas Jars.....
- 1 Measuring Cylinder - 100ml .....
- 1 Measuring Cylinder - 10ml .....
- 1 Wash Bottle – 250ml.....
- 2 Thermometers .....
- 1 Pair Safety Glasses .....
- 1 Funnel .....
- 5 Medicine Droppers.....
- 1 Stainless Steel Spatula .....
- 2 Plastic Spoons .....
- 2 Deflagarating Spoons .....
- 1 Delivery Tube with S/S Elbow .....
- 1 Retort Clamp .....
- 1 Retort Stand .....
- 1 Tripod Stand .....
- 1 Wire Gauze with Ceramic Centre 150X150mm .....
- 2 24mm Solid Stopper.....
- 1 24mm One Hole Stopper .....
- 1 30mm Solid Stopper.....
- 1 24mm Test Tube Brush .....

- 1 24mm Test Tube Rack.....
- 1 Test Tube Holder – Peg Type .....
- 6 Test Tubes 25 x 150mm.....
- 1 Boss Head .....
- 1 Set of 4 Ripple Tank Legs ( Pkt 4 ) .....
- 1 Roller Bar .....
- 1 Convex Perspex Shape .....
- 1 Concave Perspex Shape .....
- 1 Rectangular Perspex Shape.....
- 1 Ripple Tank Light.....
- 1 Ripple Tank Light Holder.....
- 1 Curved Wave Barrier.....
- 3 Straight Wave Barriers.....
- 1 Rippler Bar and Motor .....
- 1 Ripple Tank Speed Control .....
- 1 Screwdriver for Speed Control .....
- 1 Slinky Spring .....
- 1 Tuning Fork .....
- 1 Rippler Bar Support Rod .....
- 2 Rippler Bar Springs .....
- 2 Rippler Bar Slides .....

- 1 Stroboscope .....
- 1 Handle for Stroboscope .....
- 1 Circuit Board .....
- 2 Cell Holders / Battery Tray.....
- 2 Cell Pins.....
- 1 Pair Carbon Rods .....
- 5 Connectors .....
- 1 Rectangular Coil .....
- 1 Electroscope .....
- 3 Leads – 300mm, Black Croc Clips .....
- 3 Leads – 300mm, Red Croc Clips .....
- 1 Rheostat Mounted.....
- 3 Resistors Mounted ( 10, 15, 22 ohm ) .....
- 1 Switch .....
- 1 Pair Magnet.....
- 2 Leads - 1m Red & Black – Croc.....
- 1 Lead - 1m Red / Black – Croc to Banana .....
- 2 Perspex Strips 260 x 30 x 3mm.....
- 2 Polythene Strips 260 x 30 x 3mm .....
- 2 Pivot Pin Stands .....
- 1 Flannel Cloth .....

- 1 Brass Rod – 90 Deg bend.....
- 3 Bulb Holders & Bulbs.....
- 1 Split Platform / Magnet Support.....
- 2 Plotting Compasses .....
- 1 Pocket Compass.....
- 1 “U” Shape Electromagnet .....
- 1 White Screen .....
- 1 Mounted Capacitor (1000 uf) .....
- 1 Mounted LED.....
- 2 Mounted Resistors (2.2 K Ohm & 4.7K Ohm) .....
- 1 Solenoid for Induction .....
- 1 Ammeter - Triple Scale .....
- 1 Voltmeter - Triple Scale .....
- 1 Dynamics Trolley – Plain.....
- 1 Dynamics Trolley – Plunger .....
- 1 Ticker Timer DC .....
- 1 Weight – 500gm .....
- 20 Metal Mass Pieces – 10gm s/steel.....
- 1 Reel Cotton.....
- 20 Carbon Discs.....
- 2 Force Board Pulleys .....

- 3 Hooks .....
- 1 Line Level.....
- 1 Pendulum Bob .....
- 1 Pendulum Bob Support .....
- 1 Ticker Timer Tape .....
- 1 Newton Spring Balance.....
- 1 Prestik.....
- 1 Tape Measure .....
- 1 Rubberbands (Pk.20) .....
- 1 Stopwatch .....
- 1 Ruler 30cm with centre hole .....
- Manuals**
- 1 Manual – Teachers Guide .....
- 1 Grade 10 Science .....
- 1 Grade 11 Science .....
- 1 Grade 12 Science .....
- 1 Chemical Safety Data .....

**GRADE 10 – 12 PHYSICAL SCIENCE KIT  
 DRY CHEMICALS  
 CODE: CSTADCX00099562**

- 1 Ammonium dichromate .....
- 1 Aluminium Grit .....

- 1 Ammonium Carbonate ( sml ) .....
- 1 Ammonium Chloride ( sml ) .....
- 1 Calcium Carbonate ( sml ) (Chips).....
- 1 Calcium Chloride ( med ) .....
- 1 Calcium Hydroxide ( sml ) .....
- 1 Cobalt Chloride ( sml ) .....
- 1 Copper Chloride .....
- 1 Copper Granules ( sml ) .....
- 1 Copper Oxide.....
- 1 Copper Sulphate ( sml ) .....
- 1 Iron III Chloride ( Ferric ) .....
- 1 Iron II Sulphate ( sml ) .....
- 1 Iron Filings ( sml ) .....
- 1 Iron Sulphide ( sml ) .....
- 1 Lead Nitrate ( sml ) .....
- 1 Lithium Metal ( sml ) .....
- 1 Manganese Dioxide ( sml ) .....
- 1 Magnesium powder .....
- 1 Magnesium Sulphate ( sml ) .....
- 1 Potassium Bromide ( sml ) .....
- 1 Potassium Chloride ( sml ) .....

- 1 Potassium Chromate ( sml ) .....
- 1 Potassium Dichromate ( sml ) .....
- 1 Potassium Iodide ( sml ) .....
- 2 Potassium Nitrate ( sml ) .....
- 1 Potassium Permanganate ( sml ) .....
- 1 Sodium Carbonate.....
- 1 Sodium Chloride .....
- 1 Sodium Hydroxide ( med ) .....
- 1 Sodium Sulphate ( sml ) .....
- 1 Sodium Sulphite ( sml ) .....
- 1 Sodium Thiosulphate ( sml ) .....
- 1 Starch Powder .....
- 1 Sulphur Powder ( sml ) .....
- 1 Zinc Granules ( sml ) .....
- 1 Zinc Sulphate ( sml ) .....
- 1 Pair Copper Strips .....
- 1 Pair Lead Strips .....
- 1 Pair Iron Strips .....
- 1 Sheet Sandpaper.....
- 1 Bk Litmus Paper Red .....
- 1 Bk Litmus Paper Blue .....



- 1 12g Magnesium Ribbon .....
- 1 Steel Wool .....
- 1 Pair Zinc Strips.....
- 1 Pair Rubber Gloves .....
- 1 Glass Wool .....
- 1 Box – Ref 16 .....
- 1 Wooden Box & Check List .....

**GRADE 10 – 12 PHYSICAL SCIENCE KIT**  
**LIQUID CHEMICALS**  
**CODE: CSTALCX00099561**

- 1 500ml Acetic Acid .....
- 1 500ml Ammonium Hydroxide .....
- 1 100ml Barium Chloride Solution .....
- 1 100ml Bromine Water .....
- 1 100ml Bromothymol Blue Solution .....
- 1 100ml Chlorine Water .....
- 1 100ml Cyclohexane .....
- 1 100ml Cyclohexene .....
- 1 500ml Ethanol .....
- 1 100ml Glycerine .....
- 1 500ml Hydrochloric Acid .....

- 1 100ml Hydrogen Peroxide .....
- 1 100ml Litmus Solution .....
- 1 100ml Methanol .....
- 1 500ml Methylated Spirits .....
- 1 100ml Nitric Acid .....
- 1 100ml Silver Nitrate Solution .....
- 1 500ml Sulphuric Acid .....
- 1 100ml Universal Indicator .....
- 1 White Tile .....
- 1 100ml Xylene .....
- 1 Boyles Law Apparatus Fluid (100ml).....

**1 x Workstation bench**