

ELEKTRON

List of Parts

No.	Description.	Price s. d.	No.	Description.	Price s. d.
1500	Universal Base ..	each 9	1548	Bell Contact Pillar (complete) ..	each 8
1501	Compass Box ..	" 5	1549	Bell Contact Locking Screw ..	" 1
1502	Compass Mount and Pivot ..	" 1	1550	Armature Support ..	" 3
1503	Compass Needle and Cup ..	" 4	1551	" Screw ..	doz. 3
1504	Compass Chart ..	" 1	1552	Wound Bobbin for shocking coil ..	each 2 6
1505	Bar Magnet ..	" 6	1553	Shocking Coil Handle ..	" 6
1506	Bar Magnet Keeper ..	" 1	1554	" Slide ..	" 4
1507	Horseshoe Magnet ..	" 9	1555	Magnet Yoke, Large ..	" 7
1508	Circular Base ..	" 8	1556	Armature and Commutator ..	" 2
1509	Erinoid Tube for Stand Bracket ..	" 4	1557	" Shaft ..	" 2
1510	Stand Bracket ..	" 7	1558	Bearing Bracket ..	" 2
1511	Stirrup ..	" 1	1559	Commutator Contact Brush ..	" 1
1512	Sifter Box and Lid ..	" 1	1560	Erinoid Sleeve, $\frac{1}{4}$ " long ..	" 1
1513	Tube of Iron Filings ..	" 2	1561	Insulating Washer, Small doz.	" 1
1514	Ebonite Rod ..	" 2	1562	6 B.A. Hex. Nut ..	" 3
1515	Glass ..	" 3	1563	Terminals ..	each 1
1516	Square of Flannel ..	" 3	1564	10 yd. Coil No. 35G E.S.C.C. Copper Wire ..	" 4
1517	" Silk ..	" 5	1565	Spanner, Screwdriver ..	" 1
1518	Reel of Silk Thread ..	" 1	1566	Connection Wire ..	coil 5
1519	Cork ..	doz. 4	1567	Connecting Link ..	each 1
1520	Electroscope Plate ..	each 4	1568	6 B.A. 1" Special Bolt ..	" 1
1521	" Rod ..	" 4	1569	6 B.A. Contact Screw ..	" 5
1522	Erinoid Sleeve, $\frac{1}{4}$ " long ..	" 1	1570	Insulating Washer, Large doz.	" 3
1523	Electroscope Hook ..	" 1	1571	Coloured Ring ..	" 3
1524	Ebonite Bush ..	" 2	1572	Switch ..	each 1 3
1525	Sheet of Aluminium Foil ..	" 1	1573	$\frac{3}{8}$ " 6 B.A. Bolt ..	doz. 6
1526	Copper Plate, 2" x 1" ..	doz. 6	1574	Wire Connector and Screw ..	each 2
1527	Zinc ..	" 6	1575	6 B.A. Bolt, $\frac{1}{2}$ " ..	doz. 6
1528	Cell Mounting ..	each 4	1576	Container of Copper Sulphate ..	each 6
1530	Cell Mounting Bolt ..	" 1	1577	Container of Bichromate of Potash ..	" 9
1531	Zinc Rod ..	" 3	1578	Container ..	" 2
1532	Carbon Plate ..	" 6	1579	3 oz. pkt. of Copper Sulphate ..	" 4
1533	Threaded Rod ..	doz. 6	1580	3 oz. pkt. of Bichromate of Potash ..	" 7
1534	Lampholder ..	each 6	1581	Length of Resistance Wire, 6" ..	doz. 3
1535	" Screw ..	doz. 6	1582	Steel Piece ..	" 1
1536	" Nut ..	" 3	1583	6 B.A. Square Nut ..	" 3
1537	Flashlamp Bulb, 2½v. ..	each 6	1584	26G Copper Wire, 6" length ..	" 1
1538	Magnet Coil ..	" 1 0	1585	Horseshoe Magnet Keeper each	" 3
1539	" Core (complete) ..	" 2	1586	26G S.C.C. Copper Wire per reel 2	" 3
1540	" Hook ..	" 2	1587	23G ..	" 2 0
1541	" Yoke, Small ..	" 2	1588	Screw for Bell Hammer and Bell Armature ..	doz. 3
1542	" Hook Nut ..	" 1	1589	Instruction Manual No. 1 each	" 1 0
1543	Bell Armature (complete) ..	" 4	1590	Instruction Manual No. 2 ..	" 1 0
1544	" Rod and Hammer ..	" 2			
1545	Gong ..	" 6			
1546	Gong Pillar (with Nut and Screw) ..	" 2			
1547	Angle Yoke ..	" 2			

KEMEX

List of Parts

No.	Description.	Price s. d.	No.	Description.	Price s. d.
K1	Test Tube, 5" x $\frac{3}{8}$ " ..	each 1	K40	Instruction Manual, No. 1 each	" 9
K2	" Heat Resisting, 4" x $\frac{1}{2}$ " ..	" 1 0	K41	" " No. 2-3 ..	" 1 0
K3	" " Stand ..	" 1 0	K42	Universal Stand, Wing Screw ..	" 3
K4	" " Holder ..	" 3	K43	Glass Container with Screw Cap ..	" 2
K5	" " Brush ..	" 2	K44	Glass Container with Cork ..	" 2
K6	Funnel ..	" 6	K100	Aluminium Sulphate ..	" 2
K7	Filter Paper, 3½" diameter doz.	" 1	K101	Ammonium Chloride ..	" 2
K8	Evaporating Dish ..	each 6	K102	Calcium Carbonate (Marble) ..	" 2
K9	Gauze Square ..	" 2	K103	Calcium Oxide (Lime) ..	" 2
K10	Flask, Wide-necked ..	" 1 3	K104	Charcoal ..	" 2
K11	Thistle Funnel ..	" 4	K105	Cobalt Chloride ..	" 5
K12	Right Angle Delivery Tube, Small ..	" 1	K106	Congo Red ..	" 3
K13	Right Angle Delivery Tube, Large ..	" 1	K107	Copper Oxide ..	" 2
K14	Double Angle Delivery Tube ..	" 2	K108	Copper Sulphate ..	" 2
K15	Glass Tube, 12" ..	" 1	K109	Copper Turnings ..	" 2
K16	" Rod ..	" 1	K110	Ferrous Ammonium Sulphate ..	" 2
K17	Cork, Large, Double Bore ..	" 3	K111	Iron Alum ..	" 2
K18	" Small ..	doz. 4	K112	Iron Filings ..	" 2
K19	" Bored ..	" 6	K113	Lead Nitrate ..	" 2
K20	Blowpipe ..	each 1 4	K114	Litmus ..	" 5
K21	Charcoal Block ..	" 6	K115	Logwood ..	" 2
K22	Spirit Lamp, Complete ..	" 1 0	K116	Magnesium Ribbon ..	yard 1
K23	" " Stopper ..	" 1	K117	Magnesium Sulphate ..	each 2
K24	" " Wick Holder ..	" 2	K118	Manganese Dioxide ..	" 2
K25	" " Wick ..	" 1	K119	Manganese Sulphate ..	" 2
K26	Universal Stand, Complete ..	" 3 6	K120	Nickel Ammonium Sulphate ..	" 2
K27	" " Base ..	" 8	K121	Phenolphthalein Solution ..	" 5
K28	" " Pillar ..	" 8	K122	Potassium Chlorate ..	" 2
K29	" " Ring ..	" 5	K123	Potassium Iodide Solution ..	" 5
K30	Universal Stand, Pillar Extension ..	" 6	K124	Potassium Nitrate ..	" 2
K31	Universal Stand, Clamp ..	" 5	K125	Sodium Bisulphate ..	" 2
K32	" " Top ..	" 4	K126	Sodium Bisulphite ..	" 2
K33	Universal Stand, Wing Nut ..	" 2	K127	Sodium Borate (Borax) ..	" 2
K34	Universal Stand, Washer ..	" 1	K128	Sodium Ferrocyanide ..	" 2
K35	Evaporating Stand ..	" 1 9	K129	Sodium Thiocyanate ..	" 5
K36	Scoop ..	" 1	K130	Strontium Nitrate ..	" 2
K37	Rubber Connection Tube ..	" 1	K131	Sulphur ..	" 2
K38	Asbestos Fibre ..	doz. yards 1	K132	Tannic Acid (Tannin) ..	" 3
K39	Nickel Chrome Wire ..	per foot 1	K133	Tartaric Acid ..	" 3
			K134	Zinc, Granulated ..	" 2

NOTE.—Kemex Parts Nos. K100 to K134, with the exception of K105, K121, K123 and K129 (which are supplied only in glass containers) are packed in cardboard containers.

Electron and Kemex Outfits are Manufactured by

MECCANO LIMITED, Binns Road, LIVERPOOL 13.

ELEKTRON

ELECTRICAL EXPERIMENTS

KEMEX

CHEMICAL EXPERIMENTS

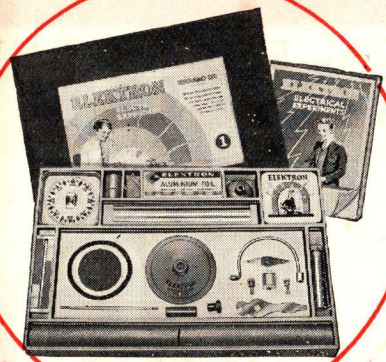


Manufactured by
MECCANO LIMITED
BINNS ROAD
LIVERPOOL 13

ELEKTRON

meccanoindex.co.uk

ELECTRICAL EXPERIMENTS



No. 1 Elektron Outfit

Electricity is being used on an increasing scale for heating, lighting, driving machinery, and other important purposes, and to-day it is more important than ever to know how this wonderful power is produced, transmitted and put to work. The Elektron Outfits provide all that is necessary for a splendid series of experiments that will reveal the mysteries of this fascinating science. They contain the parts required to construct a Reading Lamp, an Electric Bell, an Electric Telegraph, a Shocking Coil and Electric Motors, all of which can be worked from a Bichromate Cell built up from materials included. Specially-written Manuals of Instructions, fully illustrated with actual photographs, give directions for building the electrical devices referred to above and carrying out experiments with them.

No. 1 Elektron Outfit Magnetism and Static Electricity

The No. 1 Outfit contains two powerful Bar Magnets and a reliable Magnetic Compass, together with everything necessary for carrying out a series of fascinating experiments in magnetism. These include magnetising needles and suitable pieces of soft iron, and photographic methods of revealing the lines along which magnetic forces act. There are also materials for experiments in frictional or static electricity, and among these are the necessary parts for the construction of an Electric Compass and two forms of Electroscopes. In addition, parts for building a useful portable Reading Lamp are included.

Price 8/6

No. 2 Elektron Outfit Magnetism, Static and Current Electricity

The No. 2 Elektron Outfit contains all that is included in the No. 1 Elektron Outfit, with additional parts that enable attractive experiments in current electricity to be performed. Among these parts are a Horseshoe Magnet, and Coils and Yokes for the construction of Electro-Magnets that can be used in building a real Electric Bell, and a Buzzer for use in an electric telegraph system. A specially-wound coil is supplied for assembling into a splendid Shocking Coil that will give hours of fun and excitement, and from other components two different working Electric Motors can be built.

Price 25/-

A No. 1A Elektron Accessory Outfit is available that converts a No. 1 Elektron Outfit into a No. 2.

Price 16/6

Electricity—The most wonderful force of the age



No. 2 Elektron Outfit

KEMEX

Reg. 538304

CHEMICAL EXPERIMENTS

The contents of the Kemex Chemical Outfits are designed for the carrying out of hundreds of interesting experiments that will provide many hours of fascinating fun. With the apparatus and materials contained in the Outfits a boy can make inks and soaps; dye wool, cotton and silk, and bleach fabrics that are already dyed; test foodstuffs for impurities; analyse air and water; grow crystals; write with electricity; smelt metals from their compounds; make invisible inks and a chemical garden; prepare gases, and perform a host of other interesting and attractive chemical experiments.

No. 1 Kemex Outfit

This Outfit contains a supply of specially selected chemicals, packed in air-tight containers, sufficient to perform 130 attractive and varied experiments. The apparatus provided includes Test Tubes and a Test Tube Holder, a Funnel, Filter Papers, and Glass Delivery Tubes, together with the necessary Corks. There is also a highly-efficient Spirit Lamp that makes the Outfit completely self-contained.

Price 7/6

No. 2 Kemex Outfit

This Outfit includes the whole of the contents of the No. 1 Outfit, and further chemicals that increase the range of experiments up to 250. The additional apparatus includes a porcelain Evaporating Dish, Special Test Tubes to withstand high temperatures, a handsome Test Tube Stand, and an Evaporating Stand including a Ring, with Wire Gauze.

Price 15/-

No. 3 Kemex Outfit

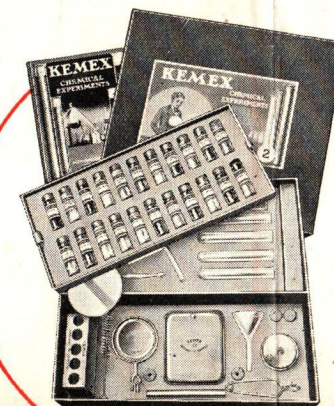
This is a splendid complete outfit that enables a boy to acquire a sound knowledge of the fascinating principles of chemistry. It includes the contents of the No. 2 Outfit with additional chemicals and apparatus, among which are a large Wide-necked Flask, a Thistle Funnel, a Blowpipe, a Charcoal Block and a Universal Stand to which apparatus may be fitted on similar lines to those adopted by actual chemists.

Price 25/-

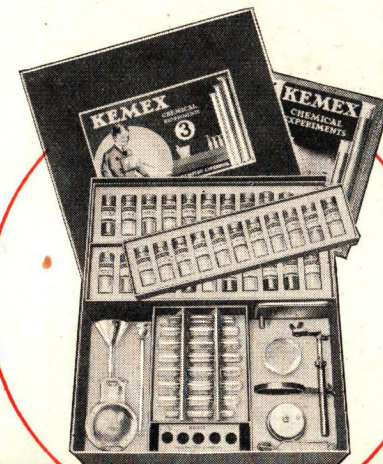
Kemex Outfits for chemical fun!



No. 1 Kemex Outfit



No. 2 Kemex Outfit



No. 3 Kemex Outfit

Make ink and soaps.

Dye wool, cotton and silk.

Bleach fabrics that are already dyed.

Test foodstuffs for impurities.

Analyse air and water.

Grow crystals.

Write with electricity.

Smelt metals from their compounds.

Make invisible inks and a chemical garden.

Electrolyse water.