



## TREE OF KNOWLEDGE (H.K.) A SUBSIDIARY OF EDU-SCIENCE (H.K.) LTD.

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EDU-SCIENCE Website



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TREE OF KNOWLEDGE, (H.K.) Limited,   has produced and developed Scientific Experiement Kits for over 25 years.   Its line covers a broad range of products and prices.   We can offer our correlation for memory featuring and developing private level hits	Go Robot Series	•••••
We can offer our services for manufacturing and developing private label kits, and supply any combination that may be suitable for your requirements. Our products are also used in schools for teaching science.	Go Science Series	•••••
Tree of Knowledge (H.K.) Limited is now a subsidiary of Edu-Science (H.K.) Limited. A leading company manufacturing, developing and marketing Science Kits through out the world.	Powertech Series	•••••
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LEARNING IS TOO ESSENTIAL TO BE LEFT ONLY TO THE SCHOOLS		





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#### Busy Box & Busy Book Series

A series for 5+ year old children. Full color graphics instruction and no reading is required. Through play, the kits deal with everyday scientific experiences encouraging the child to be curious about the surroundings.





#### **Busy Box Series**





The Dynamics Kit: Stimulate your child's way of thinking with these fun activities dealing with the world of symmetry and motion.



The Magnets Kit: Let your imagination create new games, tricks and other magnetic attractions.



1050 Optics





The Music Kit: Assemble your own music box and wind chimes, perceive the difference between production music and making noises.



The Optic Kit: Simple basic optics, build a periscope, color filters, kaleidoscopes, prisms and more.







The Water Kit: Your child will learn and discover basic properties of liquids and the various ways that water works.





5+

#### 1070 Compass





#### **Busy Book Series**

#### 





2030 Chem

The Illusion Kit: Deals with optical illusion, mirror, prisms and mirror distortions.

The Chem Kit:

chemicals, colour

discover metals.

separation, chemical

Using simple household

reaction, secret writing,

8+



The Optic Kit: Simple basic optics, build a periscope, color filters, kaleidoscopes, prisms and more.



2050 Magnet





The Magnet Kit: A lot of activities to enjoy, floating paper clip, jumping pin, playing football, river test, funny face, puppet show, underwater magnet, magic marble, fishing.



The Music Kit: Make a pan flute, create water tones, make a drum, create a chime box and more.





Experimenting with water. Water magic, on the level, make a submarine, super siphon, wet or dry?, magic water.









5+

#### 2070 Weather

The Weather Kit: Welcome to magical world of weather! Measuring the speed of wind, weather chart, wind meter, rain meter, weather curiosities.



# Go Lab Series

A set of mini labs suitable for the 8+ age group. These kits are based on science projects in keeping with the school curriculum for this age group. Instruction books explain in simple language, scientific theory of each project. The child can build a working model demonstrates the subject of the kit.

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## Go Lab Series

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## 3010 Crystal Radio

8+





Build your own working crystal radio. Look for and pick up radio stations. Earphone and antenna included. No tools or batteries required. Remember the days of the first radio.





Assemble your own digital lemon clock! Save money on batteries! Utilize electricity produced by fruit vegetable chemical reactions, electro-chemistry and electromagnetism.



2018 Mini Electricity A ×4 8+



An electricity kit for the young child! Learn about circuits, switches, conductors, insulators, fuses and work with them! Simple theoretical explanations about voltage, current, amperes, Ohm's Law, Morse Code and more. Build your own light circuits, electric

puzzles and electric light bulb. Easy assembly. No soldering. Batteries required. Kit is in keeping with elementary school science curriculum.



3040 Mighty Motor Det Related 8+

Simple kit for the future engineer! Build your own motor and learn how motors work. Experiments

motor and real file of the second sec



#### 3060 Chemistry 40





All you need to build your own complete solar energy lab. Kit includes over 25 sunny and fun experiments. Learn about conservation of energy. Complete with solar energy collector and solar

heater. Study light, optics and magnification.





#### 10+

Tree of Knowledge continues the successful range of kitchen chemistry kits with CHEMISTRY 40. Experiment with safe materials and prove basic scientific laws. Discover fascinating facts about air. Make vinegar, coloured chalk and rock candy. Create a volcano, split colours and

create a volcano, split colours and see how gases expand. See how plants grow and sweat and use water and oil to create works of art.

3080 Alarm



Make your own intruder alarm. Protect your valuable belongings; connect the alarm to a door, a window or whatever you want to keep safe. Learn how electric circuits work. The kit includes an intruder alarm panel, a battery holder and electronic components. Batteries required.

# 8+

## Go Robot Series

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Suitable for 8+ year old children. Four easy to assemble Robots no soldering required.



The series include a light sensitive robot, a metal detector robot, a remote control robot and an infra-red controlled robot.

#### **Go Robot Series**



#### 4002 Treasure Finder









#### Go Science Series

A series of science kits covering a large range of science activities specially developed for children from eight and up.

A full colored instruction book specially prepared for this age group. An interactive CD is included in some of the kits. The equipment in these kits is specially created for young children and easy to handle.



Together with the instructions books these kits offer quality play time as well as explaining simple scientific facts. Our aim is to develop children's natural curiosity, about themselves and what goes on around them.

#### **Go Science Series**



Colorful pictorial instructions show how to work with basic concepts in the field of optics. Play with mirrors, make 2 out



of 1, make 5 out of 1, and even more! Play with convex and concave mirrors. Build a simple periscope and see what happens when you wear prism glasses. Make animated pictures and experiment with optical illusions.

#### 7030 Go Water



Play with water and discover scientific principles at the same time. Simple fun activities for young children, demonstrating buoyancy, hydrostatics, volume, measurement, elasticity of water and more.



8+

7050 Go Dynamics





This kit deals with dynamics, motion and the power of forces. 45 fascinating activities dealing with gravity, inertia, mechanics, friction, different forms of energy, surface tension and air pressure. Equipment provided to create your own personal physics lab at home.

7060 Go Solar



This kit deals with the powers and properties of solar energy. More than 30 exciting activities dealing with energy from the sun and light. Learn about focal points, temperature, colour refraction, "the greenhouse effect" and more. Activities include building your own solar furnace, solar powered carousel, and airplane mobile. Solar cell and motor included.



Welcome to the world of electricity! Specially designed kit to learn, play and have fun safely with basic electric circuits. Assemble more than 20 different and fascinating circuits for

motor, buzzer, lights and other circuits. Make alarm and games, and even invent your own circuits. Additional fun applications of circuits are explained in manual. Batteries required.



#### 10+ 7075 Chemistry 60



60+ fun activities with home science and kitchen chemistry. Investigate with safe and simple material - discover basic



scientific laws and phenomena. Grow crystals, create a volcano, separate pigment. make your own glue perfume and plastic, split up water, learn about pH, colloids and emulsions, write magic messages, see gases expand and more.

8+





Over 30 fascinating activities all about weather and climate. Kit includes a real wind speed indicator. Build your own



#### 7076 Go Electronic A X4 8+





Electronics for beginners! Hours of interest in this fascinating field. Build 6 exciting electronic devices - a burglar alarm, a fire alarm, a musical organ, a siren, a sound effects generator and a radio. Console and electronic components included. Easy to design your own additional circuits. Battery required.

#### **Go Science Series**





Observe and learn all you need to know about bugs, insects and plant life. Kit also includes net, magnifying glass, charts and other simple material. Go out and start your own collection! Fun for all ages!

#### 7080 Go Detective A4 > 2 10+



Investigate, analyze, decipher and solve the crime! Over 65 activities with fingerprints, secret messages, chromatography, cipher codes, identity detection and more..... Kit includes 30X microscope and necessary lab equipment. Batteries required.



10 +





A fun magnet kit for all the family from age 8+. Amaze your friends with a variety of magnetic tricks, create faces and make an electromagnet. See and feel magnetic forces, make a compass and play magnetic football billiards.

#### 7084 Go Bubble



This is a fascinating kit dealing with all aspects of bubble science. Suitable for age 8+. This is not just a kit for blowing bubbles, this is real BUBBLEOLOGY! Made giant bubbles, create 3D bubbles to your own design, become a bubble artist, perform bubble ticks and learn some amazing bubble facts.





This kit is part of our Body Awareness Science Series, exploring the five senses: sight, hearing, smell, taste and touch. Perform over 50 fascinating experiments. Use a genuine stethoscope, make a telescope with real lenses and create rainbows with a prism. Prepare perfume and stink

bombs with chemistry lab equipment. Learn how to read and send messages in Braille. Also includes many activities suitable for party games.



## 7100 Detective Kit (with UV light)









Join forces with the world of robotics and assemble 3 fantastic robots. One robot detects objects using infra red rays, the wake-up robot is sensitive to light and the third rays, the wake-up robot is sensitive to light and the third robot is operated by any TV remote control. A separate circuit and body are supplied for each robot: just fix the selected circuit onto the robot base and add the corresponding transparent body. The kit is supplied with all circuits pre assembled. No soldering required.





A new up-to-date detective kit covering all you need to know about covering all you need to know about crime busting and modern forensics. Experiment with fingerprinting, code-breaking, chromatography and secret messages. Convict the criminal with the colorful large size identikit. Kit includes lightscope, UV light, UV secret pen, fingerprinting equipment, identikit set and much more.

#### **Go Science Series**

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9200 Chokokit

#### 7200 Amazing Illusion



#### 8+

Have fun with fantastic optical illusions. The kit includes a magical mirascope that produces true to life floating images; try to touch them, it's

impossible! Great fun for all the family. Make a kaleidoscope and a pin hole camera. Create exciting illusions with your own eyes.

Distorting mirrors, jumping fish and many more great activities.



8+

7201 Magic Illusion



It is all done with mirrors! An object placed inside the mirascope seems to floating in the air. Use any small object. While it floats above the mirascope try to pick it up. It's impossible, it's an illusion! Have hours of fun; try it out on your friends!

#### 7095 Paper Making Kit



8+

Have fun recycling paper to create new paper of your own design. Choose colors, size and decorations. Use your recycled paper to make a photo album, mobiles, containers, paper animals and flowers. Make greeting cards, notepaper, envelopes and picture frames and

much more; just use your imagination. Detailed instructions for all these items included in manual.

#### 7300 Chemistry Kitchen



for gifts!

7202 Go Fly

involved in air flight. air balloon. flight?

# insect feast!

21







8+

Everything you need to know about chocolate! Prepare delicious chocolates, truffles and lollipops. Make chocolate cookies and chocolate coins. Learn

how to make flowers, baskets and bowls from chocolate; all great ideas

Includes cookie maker, coin maker, candy thermometer, molds for chocolates and lollipops and wrapping accessories. Chocolate is not included.



Build and fly two different gliders and learn how planes and gliders fly. Learn about wind pressure and the forces

Make your own simple flying machines and paper planes. Build a kite and a hot

Make a miniature parachute that really works. How do birds fly and how are their bodies adapted to flight. Who were the pioneers of



A chemistry kit without chemicals. All the experiments deal just with food. Use vegetables, fruit and sweets to discover the weird and wonderful things that go on in the kitchen. Also discover the world of insects; the

latest trend in food! Who eats insects, which insects are the most popular and how to prepare them for an



8+

# 8+ 10+

#### Powertech Series

A Series of kits suitable for the 10+ age group. These comprehensive kits are for children who have an interest in science and wish to increase their knowledge.

They can learn to develop their skills investigating science phenomena, as well as satisfying their natural curiosity.

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The kits include subjects taught in school and allow the child to build his own science laboratory at home. Each kit comes with a detailed instruction manual with over 80 activities.

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#### **Powertech Series**

8200 Physics



10+ 250 Exciting Experiments. Have no fear of physics! 250 captivating experiments which captivating experiments which will introduce you to this fascinating field! Experiment with Electricity, magnetism, motors, gases, liquids, heat, sound, force, pressures and motion. Understand nature's

#### 8400 Heart Beat



AGTS × 2 Not Included AA × 2 Not Included 10+

basic laws.

This kit encourages exercise by understanding how the heart works, and how exercise can create a strong and healthy body. With the hand held adjustable simulator, you can actually follow the circulation of the blood through the heart and body and also adjust the heart beat. The kit also includes a stethoscope, skipping rope, pedometer, stopwatch and a colored manual with explanations and activities.



#### 8350 Super Chem



## 8355 Super Chem 120



#### 8360 Super Chem 150



25





10+

A simpler version of the Superchem 120 with 100 Experiments.



10+

120 Activities with fun science and kitchen chemistry. 120 Activities with fun science and kitchen chemistry Make giant soap bubbles and 3-dimensional soap bubble sculptures. Make monster dough, grow crystals, create secret writing.... prepare your own fun shaped soap, a volcano and a propelled motor boat. You will make yogurt, ice cream, cookies, gelatin figures and even cheese. Observe the way plants react to chemicals and light. A full colored simple to read instruction manual is included in this kit kit

10+

Due to the enormous success of the Super Chem line, we have added a new and larger version: the Super Chem 150. This new version has 150 exciting science activities using only products found in the kitchen. There are over forty pieces of equipment enabling you to carry out all of the 150 activities. These activities include the following science phenomena: chemistry, optics, bubbles, magnetism. physics and magnetism, physics and chromatography. The kit includes an attractive full colour book.

#### **Powertech Series**

#### 8405 Solar Power



10+

150 Challenging Experiments. Convert solar energy. Build a solar electric generator, motor, water heater, furnace, thermometer, crane and solar energy mobiles. Unique experiments with colour optics, electroplating, stroboscopes, thermodynamics and Moiré patterns.



#### 8650 Ecology



#### 10+

150 Experiments dealing with ecology and the world around us. Topics include bacteriology, climate, water, air, nature, chemical analysis, water and soil pollution, recycling and acid rain. Understand the problems and improve the environment.



#### 8740 Hydrolab



#### 8950 Energy







Complete greenhouse system for cultivating plants and vegetables in an "indoor" environment, without soil, using a modern Hydroponics system. The kit comes with a base, adjustable translucent observation cover, four growing trays, fertilizer tank, safe chemicals and bedding for propagating the growth of plants.



More than 200 experiments. This kit is designed to give an understanding of the various kinds of energy sources, how to transform them and use them. Learn about windmills, levers, solar energy, batteries, electricity, electrochemistry and more. Make your own simple machines. All necessary lab equipment included.



## Electro-Mag Series

8+

Electro-Mag is designed for children from the age of eight and up. The series includes three different its for building Electronic Circuits. Use a very simple system of magnets, steel balls and electronic components to build three dimensional circuits, as well as standard circuits.

B

Each of these kits will independently link up to any other magnet kit on the market.

4CTRO MAG

Electron Vision A

Build various structures such as towers, houses and geometric shapes incorporating the original circuits.

#### **Electro-Mag Series**

#### 8905 FM Radio Kit



Build your own FM radio, in addition there are 10 other circuits, including photo cell activated light, motor and lamp circuits.



## 7088 Electro-Mag (Advanced 1)





ADVANCED 1 KIT: 40 circuits, some of which are Electronic gadgets for children of eight and up.

The kit contains 30 electronic components including transistors, IC, lamps, motor, photo resistor, and other components. Simple to follow instructions.







## 8+

## My Health Series

The Health Kit series is a new line of kits developed to help children to become more aware of their bodies and the functions of some of their vital organs. They can check their organ's efficiency by themselves.



## My Health Series

#### 7092 Breathing



Activities to show how the lungs work. Explanation of how to check the volume of air intake into your own lungs. A precision made air flow meter that can check your own intake of air and check if you are within the normal range.



8+

#### 7094 Vision



8+

A simple explanation of how the eye works. Activities to demonstrate some of the eye's functions. Eye testing equipment to test the eyes for normal sight, short sightedness and long sightedness. Eye testing charts included.



#### 7096 Hearing



#### 7098 Heart Kit







#### AAA>×3 Included 8+

Activities to show how sound travels. Testing your own hearing with simple methods. A precision made sound generator with decibel control to check your own hearing ability.

> Xatta × 2 Not Included 8+

Learn all about the heart; how it works and how to keep it healthy and strong. Discover the importance of healthy eating. How to build an exercise plan. Listen to your heart, count your heartbeats and construct a stethoscope. Kit includes stop watch, pedometer, professional stethoscope and skipping rope plus large detailed poster of the heart.

## Go Anatomy Series

8+

This is a series of 3-dimensional model puzzles of more than 30 parts.

You can build vital body organs: the Heart, the Brain and t<u>he Eye.</u>

There is an interactive CD which contains explanations of each organ, as well as eight varied interactive activities explaining and demonstrating the organs various functions. To facilitate easy construction of the model puzzle, the CD shows step by step constructions details.

NATOMY

#### Go Anatomy Series

#### SK007 Eyeball



This 3 dimensional model of the human eye can be constructed by hand and also on the interactive CD which accompanies the 30+ pieces of the model. The CD gives step by step instructions and the pieces slip easily into position on the screen. The CD shows how the eye works and offers easy to understand explanations together with fun interactive activities which demonstrate the various functions of the parts of the human eye.



8+

SK009 Heart



This 3 dimensional model of the human heart can be constructed by hand and also on the interactive CD which accompanies the 30+ pieces of the model. The CD gives step by step instructions and the pieces slip easily into position on the screen. The CD shows how the heart works and offers easy to understand explanations together with fun interactive activities which demonstrate the various functions of the parts of the human heart.

#### SK010 Brain



This 3 dimensional model of the human brain can be constructed by hand and also on the interactive CD which accompanies the 30+ pieces of the model. The CD gives step by step instructions and the pieces slip easily into position on the screen. The CD shows how the brain works and offers easy to understand explanations together with fun interactive activities which demonstrate the various functions of the parts of the human brain.





8+

#### **Check List 1**

ltem No.	Description	Page	Piece per Master Carton	Volume (cbm)	Weight (kg)	Volume (Cu. Ft.)	Weight (lb)
Busy Box	Series						
1010	Dynamics	P3	24	0.03	4.6	1.2	10.2
1030	Magnets	P3	24	0.03	4.1	1.2	8.9
1040	Music	P3	24	0.03	4.9	1.2	10.8
1050	Optics	P3	24	0.03	4.8	1.2	10.6
1060	Water	P4	24	0.03	3.7	1.2	8.2
1070	Compass	P4	24	0.03	3.4	1.2	7.5
1080	Chem	P4	24	0.03	4.4	1.2	9.6
Busy Boo	ok Series						
2010	Illusion	P5	24	0.05	7.1	1.7	15.6
2020	Optics	P5	24	0.05	7.0	1.7	15.4
2030	Chem	P5	24	0.05	7.0	1.7	15.5
2050	Magnet	P5	24	0.05	7.8	1.7	17.2
2060	Music	P6	24	0.05	7.0	1.7	15.4
2070	Weather	P6	24	0.05	5.2	1.7	11.5
2080	Water	P6	24	0.05	8.8	1.8	19.4
Go Lab S	eries						
3010	Crystal Radio	P9	12	0.05	4.2	1.7	9.2
3020	Lemon Clock	P9	12	0.08	4.9	2.9	10.7
2018	Mini Electricity	P9	12	0.05	4.9	1.7	10.8
3040	Mighty Motor	P9	12	0.05	3.9	1.7	8.7
3050	Sun Power	P10	12	0.05	3.4	1.7	7.5
3060	Chemistry 40	P10	12	0.05	6.5	1.8	14.3
3080	Alarm	P10	12	0.05	4.7	1.7	10.3

#### Check List 2

ltem No.	Description	Page	Piece per Master Carton	Volume (cbm)	Weight (kg)	Volume (Cu. Ft.)	Weight (lb)
Go Robo	5	1		1	1		
4001	Remote Control Robot	P13	12	0.09	6.5	3.01	14.30
4002	Treasure Finder	P14	12	0.09	6.8	3.01	14.85
4003	Wake Me Robot	P14	12	0.09	6.6	3.01	14.52
4004	The Guide Robot	P14	12	0.09	6.5	3.01	14.30
Go Scien	ce Series						
7020	Go Optics	P17	12	0.08	9.6	2.9	21.1
7030	Go Water	P17	12	0.08	7.8	2.9	17.2
7050	Go Dynamics	P17	12	0.08	6.9	2.9	15.2
7060	Go Solar	P17	12	0.08	6.8	2.9	14.9
7072	Go Circuit	P18	12	0.08	7.6	2.9	16.8
7074	Go Weather	P18	12	0.08	6.7	2.9	14.7
7075	Chemistry 60	P18	12	0.08	11.9	2.9	26.2
7076	Go Electronic	P18	12	0.08	7.5	2.9	16.5
7078	Go Bugs	P19	12	0.08	9.4	2.9	20.6
7080	Go Detective	P19	12	0.08	9.6	2.9	21.0
7082	Go Magnet	P19	12	0.08	9.8	2.9	21.5
7084	Go Bubble	P19	12	0.08	8.4	2.9	18.5
7086	My Senses	P20	12	0.08	13.8	2.9	30.4
7090	Go Robotics	P20	12	0.08	8.5	2.9	18.7
7100	Detective Kit (w/UV light)	P20	12	0.08	7.7	2.8	16.9
7200	Amazing Illusion	P21	12	0.08	6.6	2.8	14.4
7201	Magic Illusion	P21	12	0.04	3.7	1.4	8.0
7095	Paper Making Kit (PH020)	P21	12	0.08	9.4	2.8	20.6
9200	Chokokit	P22	6	0.06	4.7	2.1	10.3
7202	Go Fly	P22	12	0.08	9.4	2.8	20.0
7300	Chemistry Kitchen	P22	12	0.08	5.6	2.8	20.0

#### Check List 3

ltem No.	Description	Page	Piece per Master Carton	Volume (cbm)	Weight (kg)	Volume (Cu. Ft.)	Weight (lb)
Powerte	ch Series						
8200	Physics	P25	6	0.07	8.1	2.5	17.9
8400	Heart Beat	P25	6	0.07	5.3	2.5	11.7
8350	Super Chem	P26	6	0.07	6.8	2.5	15.0
8355	Super Chem 120	P26	6	0.07	7.1	2.5	15.5
8360	Super Chem 150	P26	6	0.07	8.8	2.5	19.2
8405	Solar Power	P27	6	0.07	6.2	2.6	13.6
8650	Ecology	P27	6	0.07	7.5	2.5	16.5
8740	Hydrolab	P28	6	0.11	10.5	3.8	23.0
8950	Energy	P28	6	0.07	7.2	2.5	15.9
Electro M	lag						
7088	Electro Mag (Advanced 1)	P31	12	0.08	12.9	2.9	28.5
8745	Electro Mag (Advanced 2)	P32	6	0.04	9.6	1.4	21.2
8905	FM Radio Kit	P31	6	0.04	5.0	1.5	11.0
My Healt	th Series						
7092	Breathing	P35	12	0.08	7.4	2.9	16.3
7094	Vision	P35	12	0.08	8.1	2.9	17.9
7096	Hearing	P36	12	0.08	5.2	2.8	11.4
7098	Heart Kit	P36	12	0.08	6.6	2.8	14.6
Go Anato	omy Series						
SK007	Junior Anatomy Eyeball (w/cd game)	P39	12	0.06	3.6	2.1	8.00
SK009	Junior Anatomy Heart (w/cd game)	P39	12	0.06	3.6	2.1	8.00
SK010	Junior Anatomy Brian (w/cd game)	P39	12	0.06	3.6	2.1	8.00

Notes			