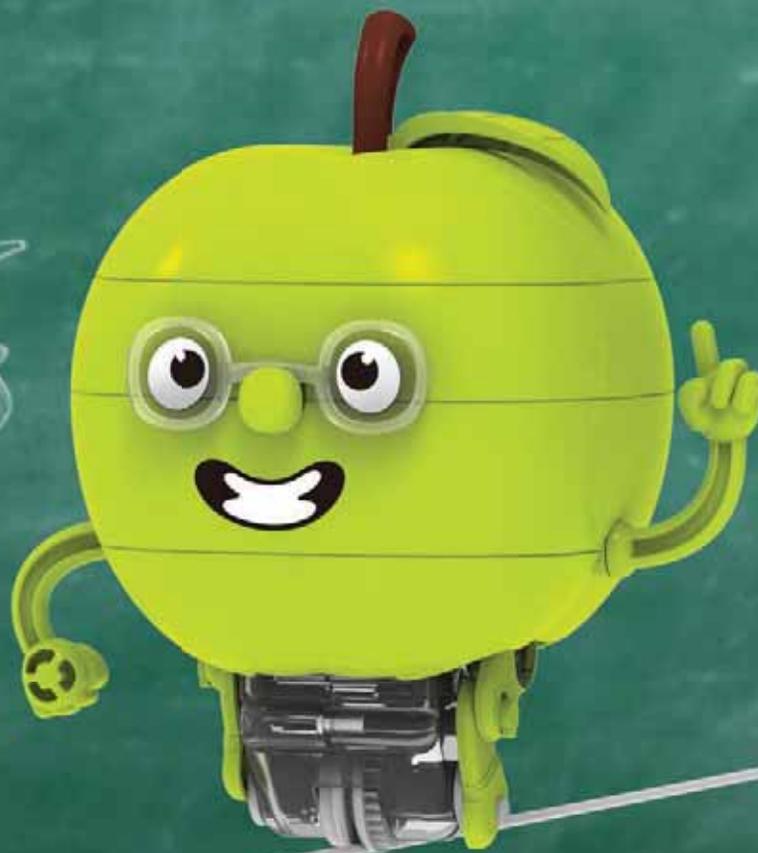


# FINDING THE PERFECT BALANCE BETWEEN FUN AND LEARNING



THAMES & KOSMOS

## 2023 PRODUCT CATALOGUE

STEM TOYS • SCIENCE KITS • MAGIC KITS • ACTIVITIES • LIGHT-UP 3D PUZZLES



Thames & Kosmos was founded in 2001 with the goal of improving informal science education outside of the classroom by publishing high-quality science kits, for children of all ages. T&K's mission has since expanded from its STEM roots to encompass other educational branches as well, including 3D light-up puzzles, as well as the panoply of thinking and social skills that can be taught through games. For two centuries, Kosmos has published science books, field guides, star maps, and other educational publications. In the 1920s, the company published its first science experiments kits, initiating a century of hands-on STEM education. We are thrilled to share our 2023 product line with you and look forward to inspiring generations of young minds for yet another century!



## KOSMOS QUALITY AND SAFETY

More than one hundred years of expertise in publishing science experiment kits and games stand behind every product that bears the Kosmos name. Kosmos experiment kits and games are designed by an experienced team of specialists and tested with the utmost care during development and production. With regard to product safety, these products follow North American and European safety standards, as well as our own refined proprietary safety guidelines. By working closely with our manufacturing partners and safety testing labs, we are able to control all stages of production. While the majority of our products are made in Germany, all of our products, regardless of origin, follow the same rigid quality standards.



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## LINE OVERVIEW

### SPY LABS **NEW!**

This new line of activity toys is your one-stop shop for the best detective gear! Features forensic science kits and investigative devices needed by any young detective-in-training

### FUN & EDUCATIONAL ACTIVITY KITS

Science-themed project kits that put fun first to make learning truly approachable and entertaining. Most kits focus on making a central toy-like item to keep, play with, or gift

### KIDS FIRST®

Introductory science kits that present science to young children, starting at age 3, and gradually prepare them for more advanced studies

### OOZE LABS®

Fun chemistry-based science kits that range from single-experiment test tubes to huge, colourful lab stations with multiple experiments

### ESSENTIAL STEM TOOLS

Fun, classic scientific devices that are fundamental to basic science learning. Specially designed to ensure the optimal experience for young learners starting out on their scientific discoveries

### SIGNATURE SERIES

The biggest, coolest, and most comprehensive science kits, covering subjects from alternative energy to robotics. For kids and adults

### REBOTZ

This squad of four buildable, motorised robot pals springs into action from a heap of junkyard parts. Conduct experiments with simple machines. Collectible and combinable

### NATURE DISCOVERY

These Nature Discovery kits aim to inspire children to learn about our world and the creatures that live on it

### MAGIC

Comprehensive sets teach kids how to perform fun and entertaining magic tricks while they learn important life skills

### CREATTO®

Let your creativity shine through with these unique, light-up 3D puzzles





## FORENSIC INVESTIGATION KIT

7617264 AGES 8+ MSRP: £28.00  
CASE PACK QTY: 5 EXPERIMENTS: 12  
PIECE COUNT: 35 MANUAL PAGES: 20

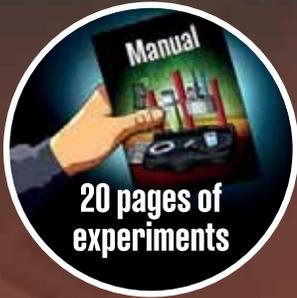


**NEW!**

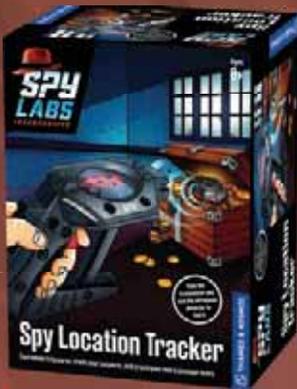
Can you identify an unknown liquid or powder? What secrets become visible under a UV light? How do you analyse fingerprints, soil, ink, and handwriting samples?

Assume the role of a forensic scientist to find out! Perform experiments on evidence in this large laboratory station using chemical and physical techniques. Analyse solids and liquids, make a fluorescent solution, inspect invisible ink, lift fingerprints, look for counterfeit notes, and examine ink using chromatography. The experiments are accompanied by exciting stories of make-believe mysteries and crimes to solve.

- Examine evidence in the laboratory
- Conduct fascinating experiments
- Discover hidden secrets with the UV light, fingerprint powder, pH test strips, and more



20 pages of experiments



## SPY LOCATION TRACKER

7617257 AGES 8+  
MSRP: £38.00  
CASE PACK QTY: 6



Find hidden treasures, track your suspects, mark secret meeting points, and create your own scavenger hunts. The transmitter emits silent, ultrasonic sound waves, which you can detect and track using the handheld detector. Hide the transmitter with a valuable object, an important case document, or a suspect, and then use the detector to search for its whereabouts. When you get close to the transmitter, the LED display on the detector lights up, leading you to the transmitter. Hone your tracking skills to become a super sleuth!

- Locate the transmitter using the ultrasonic sensors on the detector
- Light-up display tells you when you are getting closer
- Mark secret hiding places, objects, and suspects
- Use the tracker when playing hide-and-seek or a scavenger hunt game

**NEW!**

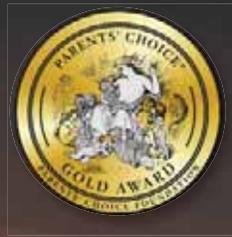


## MASTER DETECTIVE TOOLKIT

630912 AGES 8+ MSRP: £38.00  
 CASE PACK QTY: 5  
 EXPERIMENTS: 26  
 PIECE COUNT: 33  
 MANUAL PAGES: 48



Grab this briefcase full of investigator's tools and get ready to track down some crooks! Learn about how detectives use forensic science to answer questions, gather evidence, and solve crimes. Experiment with the equipment and techniques used by real detectives to develop your own observation and problem-solving skills.



## DIGITAL SAFE

1665333 AGES 7+  
 MSRP: £28.00



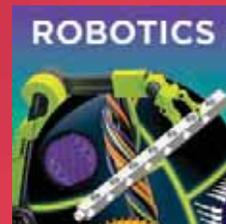
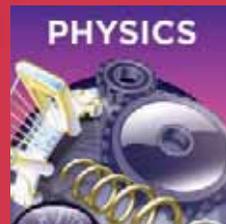
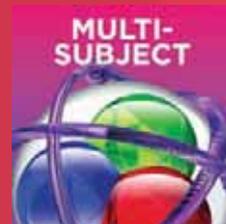
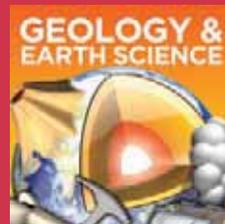
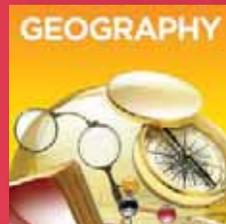
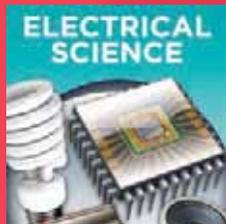
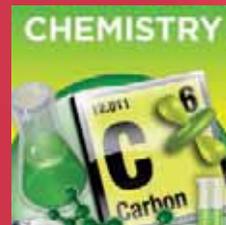
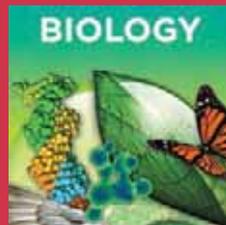
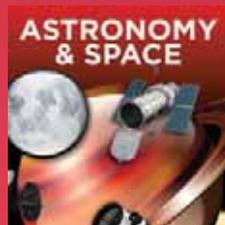
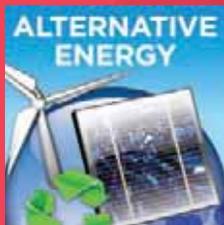
Protect your secret documents and other personal items in this Digital Safe. A 4-digit numerical code can open the safe and unauthorised access sounds a voice alert, warning you that a thief is at work.



# STEM

## EXPERIMENT KITS

STEM IS ... **SCIENCE**  
**TECHNOLOGY**  
**ENGINEERING**  
**MATHS**



Thames & Kosmos kits offer hands-on learning through experimentation, model building, and crafting, and include comprehensive full-colour books and instructions. The kits cover relevant topics that are pertinent to the world today and provide fun and enjoyable activities for effective learning. They consist of high-quality materials and custom-designed parts and have been safety tested for North America and Europe.

# FUN & EDUCATIONAL ACTIVITY KITS

STEM experiment kits with a focus on fun activities to introduce scientific topics



LIMITED STOCK

## GRAVITY BUGS: FREE-CLIMBING MICROBOT

550034 AGES 8+ MSRP: £20.00  
CASE PACK QTY: 6  
MODELS: 1  
PIECE COUNT: 78  
MANUAL PAGES: 16



Going up! Build a mighty robotic bug that defies gravity to crawl up, down, and all around windows with ease! This motorised, multi-legged machine uses an ingenious system of suction cups to walk on smooth vertical surfaces, like windows and glossy panels. Assemble the robot to learn about its inner mechanisms, including gears and an electric circuit complete with motor, battery, and switch. Then experiment to see which types of surfaces your Gravity Bug can climb best. Read about how suction cups work and how this robot climbs. This hands-on construction kit brings engineering and physics to life as it demonstrates the power of air pressure at work. An eight-panel, full-color manual guides your model building with step-by-step illustrated instructions.



## ULTRALIGHT AIRPLANES

550014 AGES 8+ MSRP: £20.00  
CASE PACK QTY: 6 MODELS: 5  
MANUAL PAGES: 16



Construct awesome flying gliders with ultralight plastic and bamboo parts. Build five different types of planes with different wing configurations to learn how wings provide lift and how planes stay up in the air.

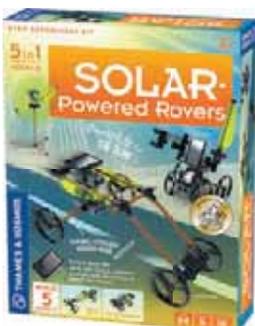


## RUBBER BAND RACERS

550020 AGES 8+ MSRP: £20.00  
CASE PACK QTY: 6 MODELS: 5  
MANUAL PAGES: 16



Fly into physics fun with five models driven by an awesome rubber band powered propeller. Using ultralight plastic and bamboo parts, build a helicopter, fan boat, airplane, car, and catamaran. Learn how the elastic material stores energy and then releases it to move the models.



## SOLAR-POWERED ROVERS

550030 AGES 8+ MSRP: £20.00  
CASE PACK QTY: 6 MODELS: 5  
PIECE COUNT: 54  
MANUAL PAGES: 16



Construct five motorised models. Build three types of solar cars, a solar fan, and a solar robot model. Conduct science experiments with each model to learn about gear ratios, solar cells, and more. The ultralight materials, including strong bamboo rods, make your models speedy and durable.



# FUN & EDUCATIONAL ACTIVITY KITS

STEM experiment kits with a focus on fun activities to introduce scientific topics

## GLOW-IN-THE-DARK SCIENCE LAB

550033-4 AGES 8+  
MSRP: £20.00  
CASE PACK QTY: 4  
EXPERIMENTS: 5  
PIECE COUNT: 15  
MANUAL PAGES: 8



8 14743 01475 6



Conduct fun and illuminating experiments with glowing light, phosphorescence, and glowing materials. Includes two glowing pigments, UV light, glow-in-the-dark star stickers, plaster for chalk, and tools and instructions. The box doubles as a blacklight showcase.



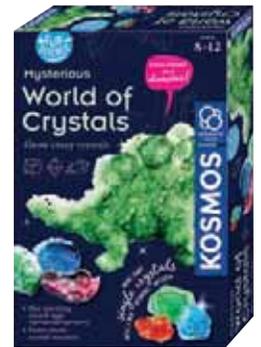
## MYSTERIOUS WORLD OF CRYSTALS

7616571 AGES 8+  
MSRP: £20.00



4 002051 616571

New-style crystal breeding - grow large single crystals in a short time with innovative methods. Create glittering elements in a magical crystal cave.



LIMITED STOCK

## MAGIC OF MAGNETS

7616595 AGES 8+  
MSRP: £18.00



4 002051 616595

Experimental fun with invisible forces. Learn how to build a compass and where the magnetic poles are. With additional magnetic games.



## GROSS ANATOMY: MAKE-YOUR-OWN SQUISHY HUMAN BODY

550032 AGES 8+ MSRP: £20.00  
CASE PACK QTY: 5  
EXPERIMENTS: 5  
PIECE COUNT: 17  
MANUAL PAGES: 8



8 14743 01474 9



Anatomy has never been so fun! Make a model of the human body by casting organs out of colourful slime and putty, and then arrange them in a clear plastic torso. Learn about the major organs as you mould each one: heart, brain, lungs, kidneys, stomach, large intestine, small intestine, and liver. You can even pretend to be a doctor by experimenting with a safe plastic scalpel.

- A fun, squishy, tactile introduction to human anatomy
- Cast organs in different colours and arrange them in a transparent human body
- Stamp a brain out of putty



## INCREDIBLE, INFLATABLE AERO DANCER

550035 AGES 8+ MSRP: £20.00  
 CASE PACK QTY: 6  
 EXPERIMENTS: 5  
 PIECE COUNT: 16  
 MANUAL PAGES: 8



LIMITED  
STOCK

Build a zany inflatable tube dancer that uses the physics of flowing air to perform its eye-catching moves. This motorised device uses a blower motor and a fabric tube to slink, shimmy, and shake around. Assemble the model to learn about its inner mechanisms, including fan and electric circuit, complete with battery, motor, and switch. Conduct four fun additional experiments that demonstrate principles in air pressure, air flow, and aerodynamics. This hands-on kit brings physics to life as it demonstrates the power of air pressure at work. An eight-panel, full-colour manual guides your model building with step-by-step illustrated instructions.



## MOTORS & GENERATORS

665036 AGES 8+ MSRP: £35.00  
 CASE PACK QTY: 5  
 EXPERIMENTS: 25  
 PIECE COUNT: 12  
 MANUAL PAGES: 48



Electric motors and generators are in countless devices, appliances, and vehicles we use every day. They are an essential technology in our modern world. With this kit, you can conduct 25 experiments to learn how an electric motor converts electricity into motion, and how an electric generator does just the opposite, converting motion into electricity. Set up the motor to run on battery power and learn how a motor works. Then reconfigure the device to work in reverse as a hand-crank electric generator.



## WATER POWER: ROCKET- PROPELLED CARS, BOATS, AND MORE

550048 AGES 8+ MSRP: £25.00  
 CASE PACK QTY: 6  
 MODELS: 6  
 PIECE COUNT: 47  
 MANUAL PAGES: 32



Harness the power of air and water to make things move! Build water-rocket cars, jet-propelled boats, a water gun, and even a lawn sprinkler. Learn about the laws of physics and their applications in real-world engineering. When you pump air into your rocket, you increase the air pressure inside. Then when you release the clamp, watch out — the air and water mixture inside will shoot out, causing your rocket to zoom off in the opposite direction! Many machines, from the oldest pipe organs to modern day rocket ships use the same technologies that power your water rockets. Experiment to test some of the differences between water and air, and learn why your rocket needs both to go fast.



## SIMPLE MACHINES

665069 AGES 8+ MSRP: £35.00  
CASE PACK QTY: 6  
EXPERIMENTS: 26  
PIECE COUNT: 132  
MANUAL PAGES: 32



Jumpstart your study of mechanical physics by learning all about simple machines and how they're used to make complex tasks easier to do. Through 26 model-building exercises, you'll investigate all six classic simple machines — wheels and axles, levers, pulleys, inclined planes, screws, and wedges — as well as gears. Also included is a specially designed spring scale so that you can measure how the machines change the direction and magnitude of forces, making work easier to do.

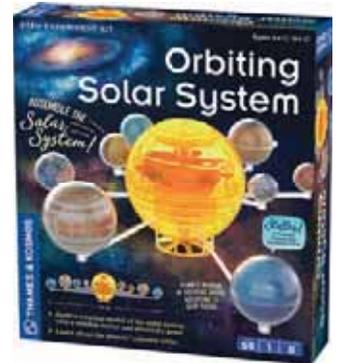


## ORBITING SOLAR SYSTEM

550037 AGES 6+ MSRP: £30.00  
CASE PACK QTY: 6  
EXPERIMENTS: 1  
PIECE COUNT: 59  
MANUAL PAGES: 8



Build a mechanical model of the solar system including the sun and eight planets (also known as an orrery), wind it up, and watch the planets revolve around the sun. Assemble using snap-together plastic parts to learn how the gears and wind-up mechanism work to spin the model. Detail each planet with colourful, realistic-looking printed planet graphics. Discover how a special type of gear called a planetary gear is used to simulate the mesmerising motion of the solar system. Learn about the order of the planets, their relative sizes, their rates of revolution around the sun, and other planetary facts. Bonus: There's a built-in expansion slot in case the mysterious Planet Nine is discovered! This kit includes full-colour step-by-step illustrated assembly instructions.

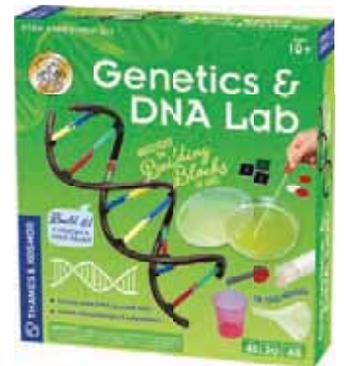


## GENETICS & DNA LAB

665007 AGES 10+ MSRP: £35.00  
CASE PACK QTY: 6  
EXPERIMENTS: 20  
PIECE COUNT: 40  
MANUAL PAGES: 48



Head into the lab for an in-depth investigation of genetics, the branch of biology focused on heredity and variation in organisms, and DNA, the acid that holds the blueprints for life. See genetic material with your own eyes as you isolate the DNA from a tomato in a test tube. Investigate inheritance and learn how traits are passed down from parents to children. Learn about dominant and recessive genes and play inheritance games to determine how traits will be expressed.

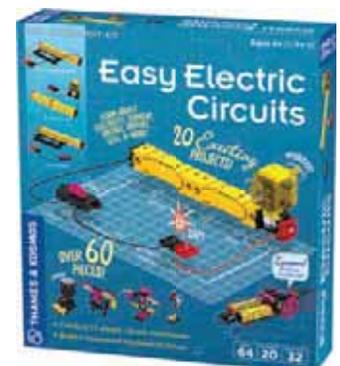


## EASY ELECTRIC CIRCUITS

550041 AGES 8+ MSRP: £30.00  
CASE PACK QTY: 6  
EXPERIMENTS: 20  
PIECE COUNT: 64  
MANUAL PAGES: 32



Explore the science of electricity in a fun, hands-on way by building 20 electric circuits and motorised devices. Conduct experiments to learn about the many electrical components and physical science principles firsthand. From circuit to circuit, you can see for yourself the different effects the electric current has on the motor and the LED light. The innovative building system allows you to easily piece together the circuits by sliding the connectors together, and then easily sliding them apart when it's time to build the next circuit. After you have learned the basics of circuits, you can build five fun, motorised models that perform cool functions!



- Classic, perennially appealing science activity kits at great prices
- Fast, fun, and simple experiments to spark curiosity in science
- Four-language packaging and manuals: English, French, Spanish and German

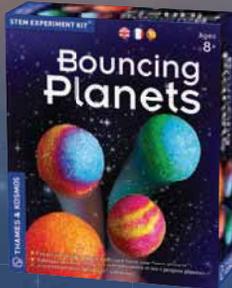


## PREHISTORIC SEA DOGS

1665289 AGES 8+  
RRP: £10.00



As soon as the eggs are placed in the salty water the larvae hatch, which then grow into small shrimp. You can find everything you will need in this experimentation kit.

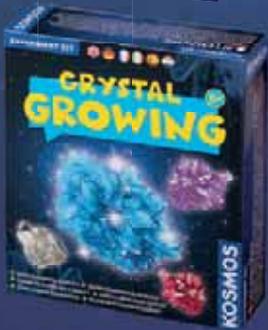


## BOUNCING PLANETS

1665227 AGES 8+ RRP: £10.00  
CASE PACK QTY: 5  
EXPERIMENTS: 2 PIECE COUNT: 10  
MANUAL PAGES: 10 PAGES (X2)



Make five colourful, rubbery balls resembling planets in minutes.



## CRYSTAL GROWING

1665265 AGES 8+ RRP: £10.00  
CASE PACK QTY: 6  
EXPERIMENTS: 3 PIECE COUNT: 9  
MANUAL PAGES: 10 PAGES (X3)



Grow sparkling, safe, colourful crystals overnight.



Kids First is a line of science kits that allow parents to introduce scientific topics and hands-on empirical learning to young children, starting at age three, and gradually prepare them for more advanced science kits and schoolwork.

## INTRO TO TOOLS & BUILDING

567017 AGES 3+ MSRP: £36.00 CASE PACK QTY: 6  
MODELS: 6 PIECE COUNT: 47 MANUAL PAGES: 8



Learn how to use tools and build your own workbench and other fun models with this introductory mechanical engineering kit.



## INTRO TO GEARS

567018 AGES 3+ MSRP: £36.00 CASE PACK QTY: 6  
MODELS: 4 PIECE COUNT: 61 MANUAL PAGES: 8



Gears make things move! With big and small gears, kids can learn about the amazing things that gears can do. Explore gear ratios, gear trains, transmissions, power and torque. A full colour 8-page manual shows you how to build four models, each that teaches a simple engineering concept about gears.



## AUTOMOBILE ENGINEER

567006B AGES 3+ MSRP: £39.95  
CASE PACK QTY: 6  
MODELS: 10 PIECE COUNT: 70  
MANUAL PAGES: 32



Read the story of two inquisitive kids, Ty and Karlie, and build simple models of the vehicles they encounter on their comical trip to the supermarket with their dad. Includes storybook manual.



## ROBOT ENGINEER

567009B AGES 3+ MSRP: £39.95  
CASE PACK QTY: 6  
MODELS: 10 PIECE COUNT: 53  
MANUAL PAGES: 32



Read the funny story of two inquisitive kids, Ty and Karlie, and build simple, non-motorised models of the robots they construct and fix during their adventure to an automated candy factory. Includes storybook manual.



## CODING & ROBOTICS

567012 AGES 4-8 MSRP: £110.00 CASE PACK QTY: 3  
EXPERIMENTS: 30 PIECE COUNT: 417 MANUAL PAGES: 64



This robot kit teaches coding principles and skills to children ages 4-8 without the use of a tablet, smartphone, or computer! An OID optical scanner in the robot reads a sequence of physical code cards and loads the program. A detailed manual guides kids through 30 coding lessons and the assembly of many different robot models.



## WEATHER SCIENCE

606114 AGES 5-7 RRP: £15.00  
EXPERIMENTS: 10  
MANUAL PAGES: 14



Investigate weather with experiments on wind, rain, storms, clouds, temperature, evaporation, pressure, and more.



## STARS AND PLANETS

606916 AGES 5-7 RRP: £15.00  
EXPERIMENTS: 11  
MANUAL PAGES: 14



Explore space by building a solar system, making moon craters and constellations, launching rockets, and testing to see which planets could support life.



## PLANTS SCIENCE

606115 AGES 5-7 RRP: £15.00  
EXPERIMENTS: 11  
MANUAL PAGES: 14



Experiment with leaves, seeds and roots. Watch a plant grow through a maze and learn what it takes for seeds to grow.





### ROBOT SAFARI

567014 AGES 5-7 MSRP: £25.00  
CASE PACK QTY: 6  
MODELS: 8  
PIECE COUNT: 146  
MANUAL PAGES: 32



With the 32-page illustrated storybook manual, kids ages five and up can follow the Omega family's robotic teddy bear, Remus, on a fun-filled safari adventure. As Remus travels across the globe, he meets a variety of robotic animals. As they read the story, kids can follow the step-by-step instructions for building motorised models of the animals from the story: a polar bear, cat, narwhal, crab, fox, llama, unicorn, and sea otter.



### ROBOT PET SHOP: OWLS, FRENCH BULLDOGS, SLOTHS, AND MORE!

567015 AGES 5-7 MSRP: £25.00  
CASE PACK QTY: 4  
MODELS: 8  
PIECE COUNT: 107  
MANUAL PAGES: 32



Join an engineering adventure with the Omega family! On a trip to a robotic pet shop, they encounter all sorts of cute robotic pets, including an owl, French bulldog, sloth, panda, and more! Read along with the illustrated storybook manual and build the models yourself. Then, experiment with them to see how each one uses the battery-powered motor and mechanical parts to move in a different way.



### ROBOT FACTORY: WACKY, MISFIT, ROGUE ROBOTS

567016 AGES 5-7 MSRP: £25.00  
CASE PACK QTY: 6  
MODELS: 8  
PIECE COUNT: 117  
MANUAL PAGES: 32



In this engineering adventure, the Omega family takes a trip to a robot factory where the robots have gone rogue! One by one, the wacky, motorised robots are fixed up and put back into working order, with the help of the Omegas — and you! As you follow the illustrated storybook manual, you can build the robots too and get a fun introduction to mechanical engineering.



## THE HUMAN BODY

567003 AGES 5-7 MSRP: £27.00  
 CASE PACK QTY: 5  
 EXPERIMENTS: 26  
 PIECE COUNT: 32  
 MANUAL PAGES: 48



Learn about the human body by doing experiments with your five senses that show you how your body works.

- Explore the external aspects of the human body with hands-on experiments
- Learn about fingerprints, hearing, your skin and sensory receptors, the heart, stomach, lungs and more
- Easy-to-follow illustrated instructions



## STEPPING INTO SCIENCE

567001 AGES 5-7 MSRP: £27.00  
 CASE PACK QTY: 5  
 EXPERIMENTS: 29  
 PIECE COUNT: 58  
 MANUAL PAGES: 48



Begin a lifetime of scientific investigation with 29 fun hands-on experiments.

- Introduction to scientific inquiry for children ages 5-7
- Learn about plants, physics, chemistry, air, and water
- Easy-to-follow illustrated experiments



## INTRO TO ENGINEERING

567002 AGES 5-7 MSRP: £27.00  
 CASE PACK QTY: 5  
 EXPERIMENTS: 21  
 PIECE COUNT: 70  
 MANUAL PAGES: 48



This kit welcomes young children to the field of engineering with 21 experiments and building projects.

- Experiment with simple machines like levers and pulleys
- Conduct engineering projects on land, in the air, and in the water
- Step-by-step illustrated instructions



## NATURE DISCOVERY



The European species of Triops (Triops cancriformus) can grow up to three times the size of Triops longicaudatus! Watch on with amazement as these prehistoric crustaceans grow and learn how they have survived for millions of years. This kit contains all you need to hatch, feed, observe and breed your own Triops!

### MY DISCOVERY GIANT TRIOPS

510869 AGES 8+ RRP: £30.00  
 MANUAL PAGES: 32



Triops are Crustaceans that are known from fossil records to have existed up to 300,000,000 years ago. This starter kit contains everything you need for successfully hatching Triops eggs - including feed and complete facilities for rearing and observation - so you can be close to the action when the small crustaceans hatch. In only a few days, they will hatch, change their armour and dart through the water.

### MY DISCOVERY TRIOPS

510449 AGES 8+ RRP: £30.00  
 MANUAL PAGES: 32



Our guarantee: Triops eggs in all Thames & Kosmos sets come exclusively from controlled and sustainable laboratory breeding and are not taken from the wild.

## ANIMAL ANATOMY

These fun 3D models offer an insight into animal anatomy and inspire children to learn about our world and the creatures that live on it.

Each Animal Anatomy set includes a detailed model with detachable parts that can be easily assembled to show the internal organs and bone structure of an animal along with a fun and informative instruction manual providing facts about each animal and its habitat.



### TIGER

261050 AGES 8+ RRP: £32.50  
MANUAL PAGES: 8



### GREAT WHITE SHARK

261110 AGES 8+ RRP: £32.50  
MANUAL PAGES: 8



## MY DISCOVERY TELESCOPE

676919 AGES 6+ MSRP: £20.00 CASE PACK QTY: 12  
EXPERIMENTS: 1  
PIECE COUNT: 1  
MANUAL PAGES: 1



An entry-level telescope with 12x magnification power! The perfect, portable tool for young explorers to make sky and land observations. View the moon's surface, animals in your backyard, and more!



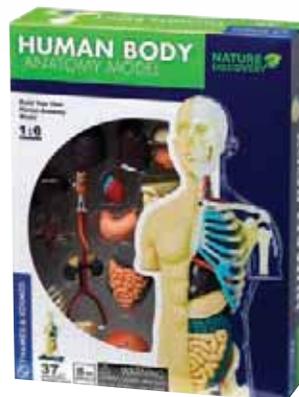
### LIMITED STOCK

With this detailed model inquisitive biologists can learn about human pregnancy.

Each kit includes a detailed model with detachable parts that can be easily assembled along with a fun and informative instruction manual providing mind blowing facts!

### HUMAN PREGNANCY TORSO

260840 AGES 8+ RRP: £32.50  
MANUAL PAGES: 8



### HUMAN ANATOMY

260830 AGES 8+ RRP: £32.50  
MANUAL PAGES: 8



This detailed model teaches inquisitive biologists about human anatomy.

Each kit includes a detailed model with detachable parts that can be easily assembled along with a fun and informative instruction manual providing mind blowing facts!



## OOZE LABS ALIEN SLIME LAB

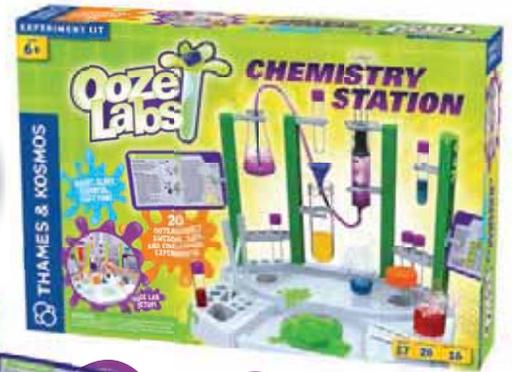
642106 AGES 6+ MSRP: £25.00  
 CASE PACK QTY: 4  
 EXPERIMENTS: 10  
 PIECE COUNT: 28  
 MANUAL PAGES: 24



As lead chemist in your very own out-of-this-world laboratory, it's your job to identify UFOs — Unidentified Funky Oozes! Set up and use your lab station — separately or as an extension of the Ooze Labs Chemistry Station — to mix up batches of unidentified "alien" slime and conduct tests on them to analyse and investigate their special properties.

## OOZE LABS CHEMISTRY STATION

642100 AGES 8+ MSRP: £35.00  
 CASE PACK QTY: 3  
 EXPERIMENTS: 20  
 PIECE COUNT: 52  
 MANUAL PAGES: 16



Grab your beakers and test tubes and step up to your special laboratory station for some exciting chemistry experiments. See how much fun chemistry can be as you do slimy, fizzy, colourful, and bubbly experiments. This cool laboratory setup has lots of different vessels and pieces of lab equipment so kids can play the role of chemist while doing real, safe experiments.

- "Sneaky" science: introduces scientific concepts in a fun and playful way
- Non-hazardous (does not contain borax)
- Printed experiment cards clip onto lab station
- Includes a variety of lab tools and equipment
- Compatible with other Ooze Labs kits



**HUGE LAB SETUP!**

### OOZE LABS CHEMISTRY STATION Base Station

### OOZE LABS ALIEN SLIME LAB Base Station



Combine both Ooze Labs stations to create the ultimate laboratory!

# ESSENTIAL STEM TOOLS



FOUR IMAGE DISKS!

2-IN-1 PROJECTOR!

## THE THAMES & KOSMOS PLANETARIUM PROJECTOR (3L)

678004 AGES 8+ MSRP: £30.00 CASE PACK QTY: 6  
EXPERIMENTS: 6 PIECE COUNT: 9 MANUAL PAGES: 6



Turn your bedroom into your very own planetarium theatre! Illuminate a darkened room by casting projections of the stars in the night sky and space-themed images across the ceiling and walls. This home planetarium is actually two projectors in one. The first is a rotating star map dome that projects astronomically accurate maps of the stars; star maps for both the northern and southern hemispheres are included. The second projects space-related images, including all eight planets, eight human-made space objects like rockets and satellites, and eight extragalactic phenomena like nebula and galaxies. Use nightlight mode to automatically shut off the projector after 15, 30, or 60 minutes. The compact, space-saving design can be placed on a flat surface or hung on a wall. Includes colour educational poster and instruction sheet.

- 2-in-1 planetarium projector
  - Rotating star map dome; northern and southern hemispheres
  - Long-lasting LED lights
  - Nightlight mode and auto-off timer
  - Focusable lenses
  - Storage compartment for image disks
- 4 image disks with 8 space-related images each; 32 images total
- USB power cable

**NORTHERN  
& SOUTHERN  
HEMISPHERE  
STAR MAPS**

**NEW!**



## THE THAMES & KOSMOS GYROSCOPE

678002 AGES 8+ MSRP: £10.00 CASE PACK QTY: 12 (1 DISPLAY)  
EXPERIMENTS: 5 PIECE COUNT: 4 MANUAL PAGES: 6



This timeless scientific instrument has been reimaged in a fresh, new design. Experiment with the gyroscope to learn about the physics of motion, forces and gravity. Learn about gyroscopic forces and see and feel them in action. Make the gyroscope balance on a tabletop, on a stand, and on a string. Spin the gyroscope inside the included clear plastic sphere and see and feel the forces acting on the sphere, which doubles as a storage case for your gyroscope.

- 3-inch diameter plastic and metal gyroscope
- Clear plastic sphere (also functions as a stand and a storage case)
- 30-inch string

**BEST SELLER**  
ESSENTIAL STEM TOOLS



Point-of-purchase display holds 12 gyroscopes

## THE THAMES & KOSMOS PLASMA BALL

678001 AGES 14+ MSRP: £30.00 CASE PACK QTY: 6  
EXPERIMENTS: 5 PIECE COUNT: 2 MANUAL PAGES: 2



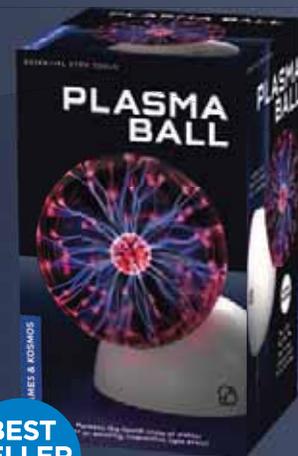
Marvel at the wonders of the universe with this mesmerising electric light show. The plasma ball creates a fascinating display of glowing electric tentacles, like lightning flowing from your fingertips.

Plasma is the fourth state of matter. Neither solid, liquid, or gas, it is a super-charged ionised gas found in every star. The plasma ball works by sending a high-voltage, alternating current from a Tesla coil at its core, through a noble gas, to the inner surface of the glass sphere. Escaping electrons cause the inert gas inside the sphere to light up, creating the amazing effects. You can actually see electricity in the palm of your hand with this incredible device.

The plasma ball design allows you to display it on a tabletop or hang it on a wall like a sconce. It can be powered via a USB-C cable or batteries. Turn on the sound-activated mode and watch the plasma arcs dance to the beat of your favourite song.

**UNIQUE DESIGN**

Place on surfaces or attach to walls!



**BEST SELLER**  
ESSENTIAL STEM TOOLS

**NEW!**

## THE THAMES & KOSMOS TELESCOPE

677016 AGES 8+ MSRP: £50.00  
CASE PACK QTY: 4  
EXPERIMENTS: 1  
PIECE COUNT: 7  
MANUAL PAGES: 8



Set your sights on the Moon and beyond! With this excellent entry-level telescope, Thames & Kosmos continues a long tradition of inspiring people to reach for the stars. This high-quality refractor telescope with glass optics allows for countless exciting space observations. With it, you can see the Moon and its craters in good detail; Mars, Saturn, Jupiter, and more! Terrestrial observations on Earth are also possible. The included instruction manual guides you through setting up and using the telescope.



**NEW!**

- Learn how to use a telescope
- See the moon, planets, and stars
- Perfect beginner telescope
- 20x and 100x magnification
- Includes everything you need to start your astronomical observations



## THE THAMES & KOSMOS SCIENCE ADVENT CALENDAR

**NEW!**

661007 AGES 8+ MSRP: £30.00  
 CASE PACK QTY: 5  
 EXPERIMENTS: 24  
 PIECE COUNT: 53  
 MANUAL PAGES: 4



'Tis the season for science! Christmas time is experimentation time. Discover something new and amazing every day leading up to the holiday. With this advent calendar, children open a new box each day to find new equipment or materials and the instructions for a science experiment. The experiments can be done quickly and only require additional items that are commonly found in every household. Each of the 24 beautifully designed boxes includes unique experiment materials and expertly written and illustrated instructions.

- Daily box cleverly unfolds to reveal an instruction manual with step-by-step directions and scientific explanations
- Experiments are quick to execute and cover a variety of scientific topics related to chemistry, biology, and physics
- A fun and engaging way to combine a classic holiday tradition with tried-and-true hands-on learning



# Happy Atoms

## A revolutionary approach to teaching chemistry

This physical and digital system lets you discover the world of molecules in an intuitive, hands-on way. Assemble molecules using a set of magnetic atoms representing 16 different elements. Then use the included app (for iOS and Android devices) to scan and identify the molecules. The app teaches you about molecules and bonding with guided labs and open-ended discovery.

### HAPPY ATOMS COMPLETE SET

585001 AGES 10-17 MSRP: £160 CASE PACK QTY: 3  
 ACTIVITIES: 216 PIECE COUNT: 52 MANUAL PAGES: 16



- Includes:**
- 50 Happy Atoms
  - Poster and scanning mat
  - Storage bag
  - Quickstart manual
  - Happy Atoms app (free download)



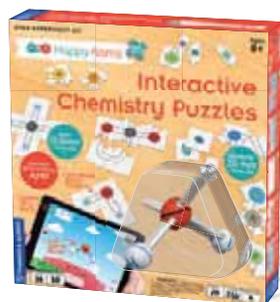
**NEW!**

### HAPPY ATOMS 2D: INTERACTIVE CHEMISTRY PUZZLES

585005 AGES 8+ MSRP: £24 CASE PACK QTY: 6  
 ACTIVITIES: 220 PIECE COUNT: 69 MANUAL PAGES: 4



Now you can use Happy Atoms, the revolutionary chemistry teaching tool, in a low-cost, two-dimensional jigsaw-puzzle-style edition. Build more than 17,000 molecules by combining the atoms of 16 elements and scanning them with the app to identify the molecules and learn about them. This kit comes with the same full-featured version of the Happy Atoms app that comes with the original versions of Happy Atoms. Bonus: Includes a sample 3D Happy Atoms water molecule — H<sub>2</sub>O!



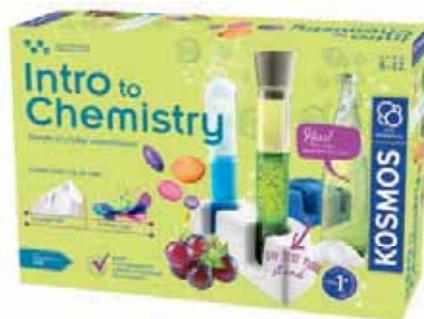
## INTRO TO CHEMISTRY

642525 AGES 8-12  
CASE PACK QTY: 5



5 060282 511545

Kick off a chain reaction of fun filled experiments with this introductory chemistry set designed specifically for younger children. Junior chemists can safely explore simple chemistry using the tools in this kit and common household substances from the kitchen and bathroom.



## CHEMISTRY C500

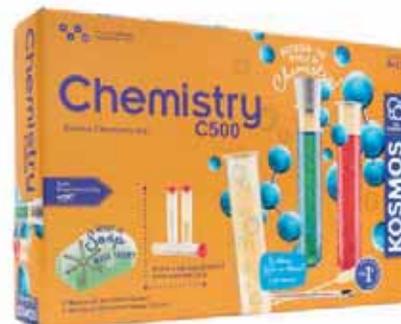
645571 AGES 10+ MSRP: £35.00  
CASE PACK QTY: 6  
EXPERIMENTS: 28  
PIECE COUNT: 18  
MANUAL PAGES: 48



5 060282 511521



Learn about reactions between solids, liquids, and gases. Discover the colourful effects of acids and bases. Perform astonishing "magic" tricks for your friends. Make fizzy and foamy reactions. Write messages with invisible ink. Investigate metals and salts in electrochemical experiments with a 9-volt battery (not included). Learn for yourself how chemistry goes far beyond textbooks and laboratories to explain occurrences that happen around us every day.



## CHEMISTRY C1000

640118 AGES 10+ MSRP: £60.00  
CASE PACK QTY: 5  
EXPERIMENTS: 128  
PIECE COUNT: 30  
MANUAL PAGES: 80

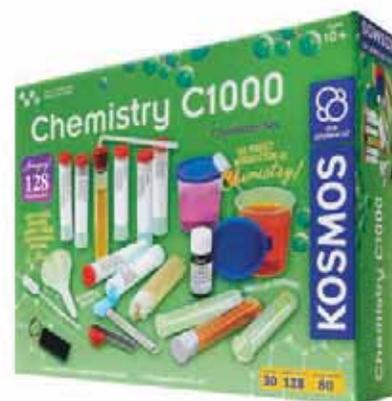


5 060282 511545

**BEST  
SELLER**  
SIGNATURE  
SERIES



Enroll in CHEMISTRY C1000 and prepare yourself for years of fascination with this essential science. You will have a solid overview of chemistry after performing the 125 diverse experiments in this kit. Experiment with air pressure, surface tension, acids and bases, "magic" tricks, household chemicals, indicators, electrochemical reactions, and chromatography.

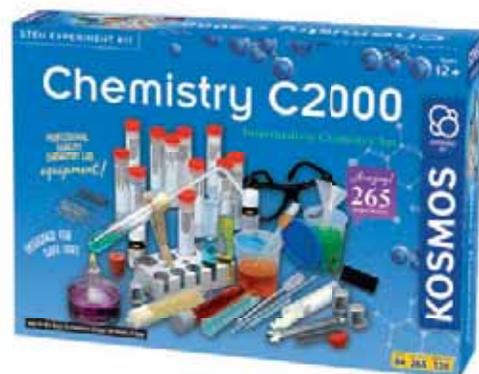


## CHEMISTRY C2000

640126 AGES 12+ MSRP: £150.00  
CASE PACK QTY: 3  
EXPERIMENTS: 250  
PIECE COUNT: 50  
MANUAL PAGES: 128



5 060282 511323



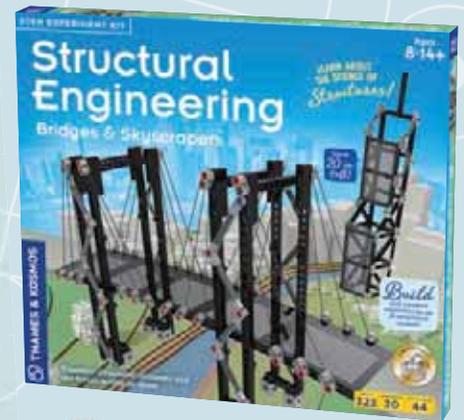
Discover how fascinating the world is when you understand the remarkable reactions behind ordinary occurrences. CHEM C2000 includes everything in CHEM C1000 and more — with twice the tools and materials. Most notably, this kit introduces you to the alcohol burner for experiments that require heat, expanding the number of experiments you can conduct.

## STRUCTURAL ENGINEERING

625414 AGES 8-14 MSRP: £45.00  
 CASE PACK QTY: 6  
 EXPERIMENTS: 20  
 PIECE COUNT: 323  
 MANUAL PAGES: 44



With this kit of modular building pieces, you can learn the basics of structural engineering by conducting a series of 20 model-building experiments. Each model demonstrates a basic principle of mechanical physics or structural engineering in a hands-on way.



## ARCHITECTURAL ENGINEERING

625416 AGES 8-14 MSRP: £45.00  
 CASE PACK QTY: 6  
 MODELS: 26  
 PIECE COUNT: 308  
 MANUAL PAGES: 44



Build your foundation in architectural design with this fascinating STEM experiment kit that explores the engineering principles behind planning and developing buildings and structures. Through model building exercises you play the role of architect and engineer as you piece together an array of models, from small, basic structural elements like trusses, arches, and domes, to giant complex models of architecturally significant buildings from around the world.



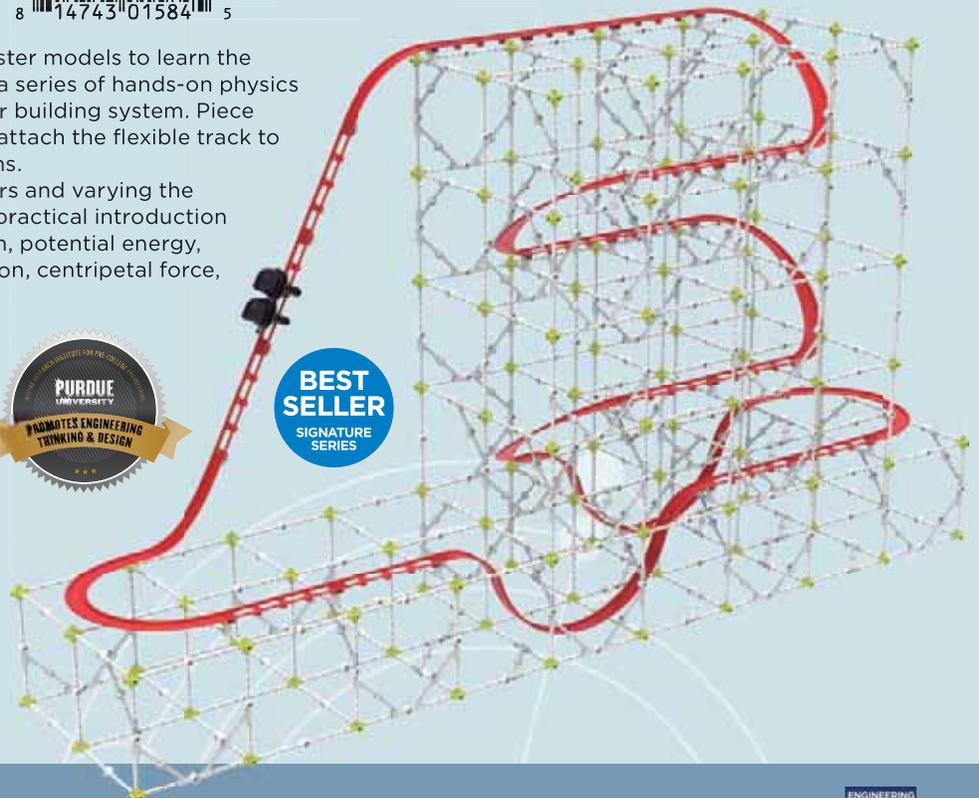
## ROLLER COASTER ENGINEERING

625417 AGES 6+ MSRP: £45.00  
 CASE PACK QTY: 5 EXPERIMENTS: 20  
 PIECE COUNT: 305 MANUAL PAGES: 32



Build and experiment with dozens of roller coaster models to learn the physics of force, motion, and energy. Conduct a series of hands-on physics and engineering lessons with this easy, modular building system. Piece together the sturdy frame structures and then attach the flexible track to it to build and test endless roller coaster designs.

Experiment by varying the weight of the cars and varying the slope, length, and direction of the track. Get a practical introduction to many physics principles including gravitation, potential energy, kinetic energy, free fall, projectile motion, friction, centripetal force, velocity, acceleration, and more.

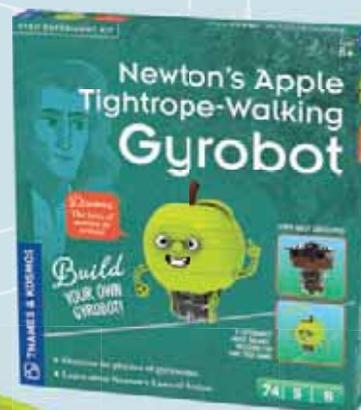


## NEWTON'S APPLE: TIGHTROPE-WALKING GYROBOT

620304 AGES 8+ MSRP: £30.00 CASE PACK QTY: 6  
EXPERIMENTS: 5  
PIECE COUNT: 74  
MANUAL PAGES: 8



NEW!



An apple that defies gravity and walks a tightrope — what would Isaac Newton have thought? Build a cute apple robot that walks along a tightrope. How? Thanks to the robot's main component, a motorised gyroscope, it can maintain its balance and perform this fun trick without falling over. Through five experiments, you can discover the astonishing powers of the motorised gyroscope and explore the physics behind its amazing behaviors. Experiment with getting the gyrobot to walk on the different included tracks and on a string, investigate the gyrobot's center of gravity, play a ring-toss game, and watch the gyrobot spin on a flat surface.



## ULTRA BIONIC BLASTER

620502 AGES 8+ RRP: £35.00  
CASE PACK QTY: 6  
EXPERIMENTS: 6  
PIECE COUNT: 134 (ESTIMATED)  
MANUAL PAGES: 16



Have a blast with this awesome engineering project! Construct an air-powered robotic glove that launches safe foam darts. Learn about pneumatics — technologies which use pressurised air to perform work — and many cool mechanisms as you assemble the blaster from over 100 pieces.

After you've built and tested your blaster, slide it on and strap it to your wrist. The first pull of the trigger causes the scissor arm to lift up the barrels and launch the first dart. Pull the trigger two more times to launch the next two darts. Grab some additional darts from the reserve clip under your wrist and reload. The blaster is entirely powered by your hand and the amazing pneumatic system — no batteries or motors required!

Turn the dial to rotate the two outer launchers for a wider spread. Adjust the location of the wrist strap to fit almost all hands. A full-colour, step-by-step manual guides you through assembling and using the blaster and provides fascinating scientific information about pneumatic systems and the physics of air. Compatible with many standard foam darts.

- Build a pneumatic glove that launches foam darts
- Learn about pneumatics and the physics of air pressure
- Barrels raise and lower and rotate outward and inward
- Adjust to fit almost any hand size.
- Compatible with many standard foam darts
- High play value, even after initial construction is complete



TURN THE DIAL  
TO ADJUST  
THE ANGLE  
OF YOUR SHOT!



# KAI: THE ARTIFICIAL INTELLIGENCE ROBOT

620392 AGES 10+ MSRP: £120.00

CASE PACK QTY: 3

EXPERIMENTS: 8

PIECE COUNT: 123

MANUAL PAGES: 64



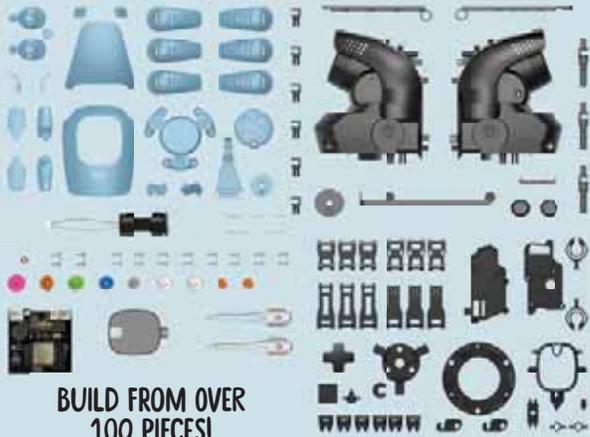
Explore the future of advanced computing technology with KAI — short for Kosmos Artificial Intelligence! Build and program an intelligent, six-legged, app-enabled robot that uses machine learning to react to the gestures and sounds that you make. KAI can walk on its six legs, rotate its upper body 360 degrees, and its face is composed of 25 red LEDs that can be programmed to show different expressions and scrolling messages!

Using the included app and your smart device's camera and microphone, record physical gestures and sounds, and assign them to KAI's five functions: walk forward and backward, turn left and right, and stop. The AI will learn to recognise each gesture or sound, even if they differ in small details. The more data you collect, the better the AI will learn from it.

Create an AI model in the training screen of the app using the data you collected. Then put your AI model to the test in play mode by controlling your robot remotely. Just perform the same gestures or sounds that you did when collecting data, and your robot will perform the assigned function! You can also control KAI directly using the remote-control function in the app or by using your smart device as a gyroscope, tilting it in the direction you want it to move in.

A full-colour, 64-page manual provides step-by-step illustrated assembly and programming instructions, teaches lessons in AI and robotics, and includes a fun, comic-book-style story that brings KAI to life. Read about the history and future of AI and its real-world applications. The app requires a tablet (recommended) or smartphone running iOS or Android. Please check the app stores for compatibility and device requirements.

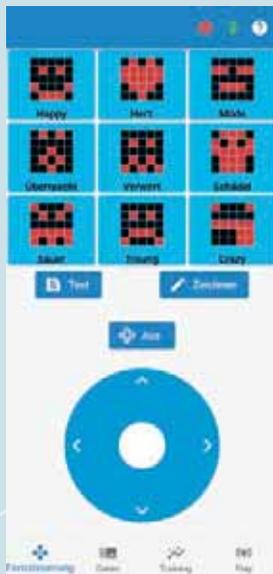
- Collect data via your smart device's camera and microphone
- Train your AI model to more accurately recognise patterns in the data
- Remote-control mode allows you to manually control your robot
- Includes a lesson in creating your own AI using household items (paper and cups)



**BUILD FROM OVER 100 PIECES!**



**CONTROL WITH GESTURES AND SOUNDS**



**DISPLAY EMOTIONS ON YOUR ROBOT'S FACE!**



**TEACH YOUR ROBOT TO FOLLOW VOICE AND MOVEMENT COMMANDS!**



Free app





## ROBOTICS WORKSHOP

620377 AGES 10+ MSRP: £220.00  
 CASE PACK QTY: 3  
 MODELS: 10  
 PIECE COUNT: 306  
 MANUAL PAGES: 64



Build and program robots with this complete robotics engineering system. Using sensors, motors, a core controller, and hundreds of snap-together building pieces, you can follow the instructions to assemble 10 different robots. The versatile parts also allow you to make robots according to your own designs.

Free app



## ROBOTICS: SMART MACHINES - SUPER SPHERE

620384 AGES 8-14 RRP: £120.00  
 CASE PACK QTY: 6  
 MODELS: 8  
 PIECE COUNT: 182  
 MANUAL PAGES: 60



Build an awesome, nine-inch-diameter, rolling robotic sphere and six other robot models. Drive your robots using the remote-control interface in the included app, which you can install on your tablet or smartphone. Or write programs for your robots using an easy, visual programming language in the app. The onboard sound sensor lets you program your robots to perform specific sequences of commands in response to the number of claps (or other very loud sounds) that it detects.



Free app

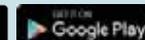


## ROBOTICS: SMART MACHINES

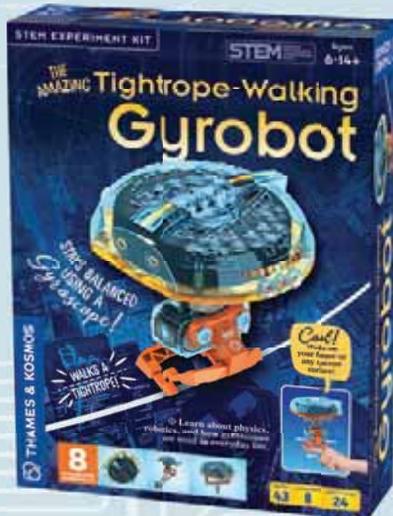
620375 AGES 8-14 MSRP: £120.00  
 CASE PACK QTY: 6  
 MODELS: 8  
 PIECE COUNT: 230  
 MANUAL PAGES: 64



This kit gives kids a simple, fun, and customisable introduction to robotics that lets them build eight motorised machines controlled by programs and an ultrasound sensor. Build a humanoid robot that walks forward on two legs and pivots to avoid obstacles in its path. Code the programs using an easy, visual programming app on a tablet or smartphone, which connects to the robot models via a wireless connection.



Free app

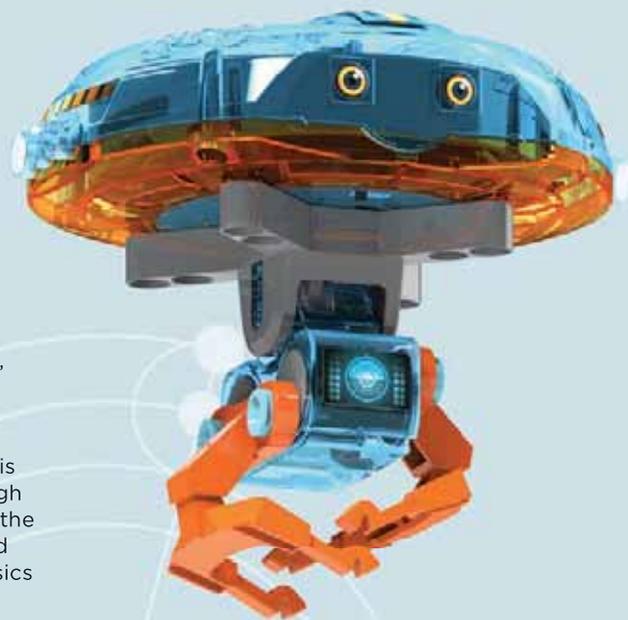


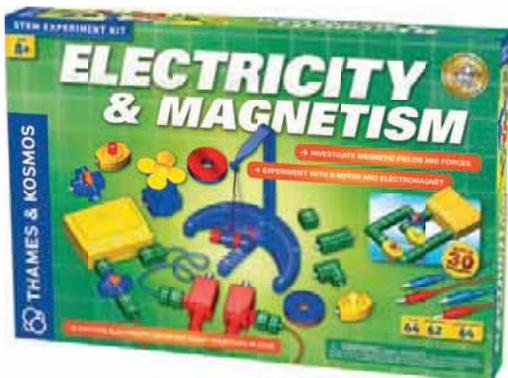
## THE AMAZING TIGHTROPE-WALKING GYROBOT

620302 AGES 6-14 RRP: £35.00  
 CASE PACK QTY: 4  
 EXPERIMENTS: 8  
 PIECE COUNT: 43  
 MANUAL PAGES: 24



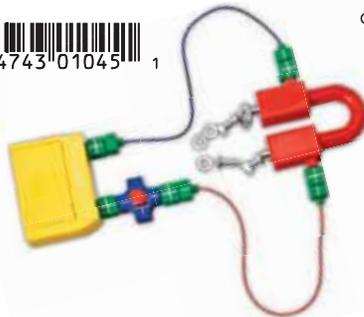
A robot fit for the circus! With this kit, you can build a robot that walks, step by step, along a tightrope. How? Thanks to the robot's main component, a gyroscope, it can maintain its balance and perform this fun trick without falling over! Through eight experiments, you can explore the astonishing powers of the motorised gyroscope and understand the physics behind its amazing behaviours.





## ELECTRICITY & MAGNETISM

620417 AGES 8+ MSRP: £55.00  
 CASE PACK QTY: 5  
 EXPERIMENTS: 62  
 PIECE COUNT: 64  
 MANUAL PAGES: 64



Conduct more than 60 electrifying experiments with circuits and magnetic contraptions to learn about electricity and magnetism, and how these two fundamental properties are closely related. Children eight and up can safely and easily experiment with electric current and magnetic fields using the colourful snap-together blocks and components in this hands-on kit.



## REMOTE-CONTROL MACHINES

555004 AGES 8+ RRP: £70.00  
 CASE PACK QTY: 6  
 MODELS: 10  
 PIECE COUNT: 182  
 MANUAL PAGES: 48



Build your own motorised vehicles and machines and control them with a wireless remote control unit. A unique six button infrared remote allows you to control three different motors simultaneously, moving each of them forward or in reverse, with easy-to-activate touch sensors. The three motors can be combined to make complex vehicles and machines in numerous configurations limited only by your imagination.

## MASSIVE ERUPTING VOLCANO

642116 AGES 8-14+ MSRP: £30.00  
 CASE PACK QTY: 6  
 EXPERIMENTS: 3  
 PIECE COUNT: 32  
 MANUAL PAGES: 2 (POSTER)



Simulate the epic, earth-shattering power of a volcano in your own home! Build a huge volcano model with a sturdy frame that easily slides together. Wrap the frame in hardening plaster-coated fabric strips and then paint it to look like the real thing. Then, bring your volcano to life with cutouts of dinosaurs and prehistoric trees.

To make your volcano erupt, mix the two non-hazardous powders, dye, and water to create a chemical reaction of flowing red ooze that simulates the molten hot lava flows of a real volcanic eruption.

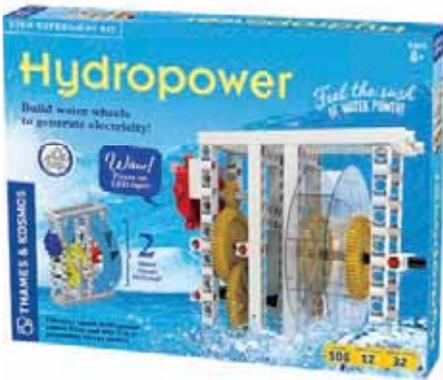
Six packets of chemicals are included, allowing the volcano to be erupted multiple times. The volcano frame enables you to choose between two volcano shapes, with the final model measuring more than one foot tall.

A large, full-colour scientific poster of a volcano with illustrated instructions and lots of educational information about volcanoes is included.



**GIANT!  
 1 FT  
 TALL**





## HYDROPOWER

624811 AGES 8+ MSRP: £45.00  
 CASE PACK QTY: 5  
 EXPERIMENTS: 12  
 PIECE COUNT: 105  
 MANUAL PAGES: 32



Explore the power of water by building models and conducting experiments with them. Build a waterwheel, a sawmill, and a hammer mill to harness the energy of moving water to do different types of physical work. Construct a hydroelectric power station to generate electricity and light an LED. Learn about where the energy in ocean waves, tides, and rivers comes from, and discover how we can capture energy from them.



## WIND POWER

627929 AGES 8+ MSRP: £45.00  
 CASE PACK QTY: 5  
 EXPERIMENTS: 5  
 PIECE COUNT: 38  
 MANUAL PAGES: 32



Build a realistic wind turbine to harness power out of thin air. Wind is one of the most promising sources of clean, renewable energy available today. Wind energy has been used for centuries to pump water and crush grain in windmills, and is increasingly being used to generate electricity to power our modern world.

Assemble a wind turbine complete with electric generator and adjustable rotor blades. The blades are designed with complex aerodynamic curves to look and work like modern-day wind turbine blades. Conduct experiments with your wind turbine, including experiments to optimise its performance by adjusting the angle of the blades and the placement of the turbine. Use the wind turbine to light up an LED and charge a rechargeable battery. Convert the generator into an electric motor and assemble a small electric car to demonstrate a tangible application for stored solar electricity.

Discover how the sun makes the wind, providing us with an endless source of energy. Read about different types of wind turbines and windmills, the history of this technology, and how wind energy can be used to power homes and electric cars. The full-colour, 32-page manual offers illustrated instructions and scientific information.

- Build and experiment with a real working wind turbine
- Generate electricity to charge a battery and power a small model car
- Weatherproof battery box can be left outside
- The mast can be staked into the ground with the included base and stakes



# REBOTZ

REBOOTED ROBOTS//

SCAN FOR VIDEO!



## WELCOME TO THE REBOOTED WORLD OF REBOTZ!

This squad of four lovable robot pals springs into action from a heap of junkyard parts. Quickly piece together a motorised model of each ReBot from a set of easy-to-assemble parts. Then, switch them on and watch how each robot moves in a unique and wacky way. Collect all four kits and mix up the interchangeable parts to make your own rebooted robotic creations. These science-fiction models provide an opportunity for some real science lessons. Conduct experiments with the different simple machines and mechanisms that make the robots move, including cams, springs, sliders, cranks, motors, wheels, and levers.

- FAST AND EASY TO BUILD
- POWERED BY AN ELECTRIC MOTOR
- COLLECTIBLE AND COMBINABLE

### SCOOTZ - THE CRANKY CRAWLING ROBOT

552001 AGES 6+ MSRP: £10.00 CASE PACK QTY: 6

MODELS: 1

PIECE COUNT: 26

MANUAL PAGES: 16



Robots ahoy! This crawling robot is cobbled together from two halves of an old pirate ship's wheel, and scoots along the floor on a repurposed iron and snow ski. Demonstrates cranks, cams, and motors in action.



### POGO - THE JAMMIN' JUMPING ROBOT

552002 AGES 6+ MSRP: £10.00 CASE PACK QTY: 6

MODELS: 1

PIECE COUNT: 12

MANUAL PAGES: 16



Spring into action! This jumping robot is made from the tracks of an old snowmobile, a waffle iron, and some rubber bands. Demonstrates cams, springs, and motors in action.



### HALFPIPE - THE SHREDDING SKATER ROBOT

552003 AGES 6+ MSRP: £10.00 CASE PACK QTY: 6

MODELS: 1

PIECE COUNT: 13

MANUAL PAGES: 16



Ready to shred! A few clicks and Halfpipe is ready to cruise through your room on its skateboard base, using an umbrella and broom to propel itself forward. Demonstrates wheels, cams, and motors in action.



### KNOX - THE WACKY WALKING ROBOT

552004 AGES 6+ MSRP: £10.00 CASE PACK QTY: 6

MODELS: 1

PIECE COUNT: 13

MANUAL PAGES: 16



Knock, knock, knocking on wooden floors — this speed-walking ReBot is pieced together from a tennis racket, hammer, and the rear wheels of a tricycle. Demonstrates wheels, slider cranks, and motors in action.



# MAGIC

Magic is a centuries-old performance art that captivates audiences by appealing to their fascination with the inexplicable. Thames & Kosmos offers a line of comprehensive magic sets that help children develop presentation skills, confidence, hand-eye coordination, dexterity, and reading skills, while they have fun performing magic tricks and entertaining audiences.

## MAGIC HAT

680282 AGES 6+ MSRP: £28.00  
 CASE PACK QTY: 4  
 TRICKS: 35  
 PROPS: 40  
 MANUAL PAGES: 20



With the magic hat and rabbit puppet, as well as more than 40 other magic props, kids as young as six years old can learn and perform 35 magic tricks.

- Online instructional videos available for many of the tricks



## MAGIC: SILVER EDITION

698225 AGES 8+ MSRP: £22.00  
 CASE PACK QTY: 6  
 TRICKS: 100  
 PROPS: 24  
 MANUAL PAGES: 72



The 100 tricks in this kit can be easily learned, practiced, and mastered—to stun and amaze audiences!

- Rope tricks, wand tricks, coin tricks ... learn a wide variety of illusions to impress audiences
- Includes 4 magic playing cards as an introduction to the world of card tricks
- Online instructional videos available for many of the tricks



## MAGIC: GOLD EDITION

698232 AGES 8+ MSRP: £35.00  
 CASE PACK QTY: 4  
 TRICKS: 150  
 PROPS: 42  
 MANUAL PAGES: 96



With this extensive collection of magic props, you can perform 150 incredible magic tricks and illusions to astonish spectators!

- Online instructional videos available for many of the tricks



# CREATTO <sup>LightUp</sup> 3D PUZZLE™

Creatto™ is a simple yet versatile building system that consists of just two primary components that can be woven together into countless 3D creations. The durable and flexible plastic tiles interlock quickly and easily for all skill levels; no additional materials or hardware required!

- Promotes creativity and individuality
- Develops fine motor skills
- Encourages self-expression
- Multi-lingual packaging
- Building instructions are language independent; just follow the visual steps to learn how the Creatto system works — and how easy it is to use!
- The same two types of building components are in all Creatto kits; combine pieces from different kits to build colourful, unique creations!
- Step-by-step building videos available online
- Strings of coloured LED lights to illuminate your works of art from the inside out!



JOIN THE CREATTO COMMUNITY BY SHARING YOUR CREATIONS ON SOCIAL MEDIA WITH #CREATTO!

Creatto Series 1 - The Toy Insider Spring & Summer Gift Guide Winner

## CREATTO POLAR

03462 AGES 8+ MSRP: £12.00  
 CASE PACK QTY: 6  
 MODELS: 4  
 PIECE COUNT: 41  
 LED LIGHTS: 20  
 BUILD TIME: 15-20 MIN.



## CREATTO ELEPHANT

03461 AGES 8+ MSRP: £12.00  
 CASE PACK QTY: 6  
 MODELS: 4  
 PIECE COUNT: 40  
 LED LIGHTS: 20  
 BUILD TIME: 15-20 MIN.



LIMITED STOCK



## CREATTO SAFARI

03479 AGES 8+ MSRP: £12.00  
 CASE PACK QTY: 6  
 MODELS: 4  
 PIECE COUNT: 34  
 LED LIGHTS: 20  
 BUILD TIME: 15-20 MIN.



BEST SELLER  
 CREATTO



## CREATTO MOOSE

03478 AGES 8+ MSRP: £12.00  
CASE PACK QTY: 6  
MODELS: 4  
PIECE COUNT: 35  
LED LIGHTS: 20  
BUILD TIME: 15-20 MIN.

LIMITED  
STOCK



## CREATTO PANDA™

03494 AGES 8+ RRP: £24.00  
CASE PACK QTY: 6  
MODELS: 4  
PIECE COUNT: 61  
LED LIGHTS: 40  
BUILD TIME: 20-30 MIN.



## CREATTO LOVE™

03493 AGES 8+ RRP: £24.00  
CASE PACK QTY: 6  
MODELS: 4  
PIECE COUNT: 77  
LED LIGHTS: 40  
BUILD TIME: 20-30 MIN.

LIMITED  
STOCK



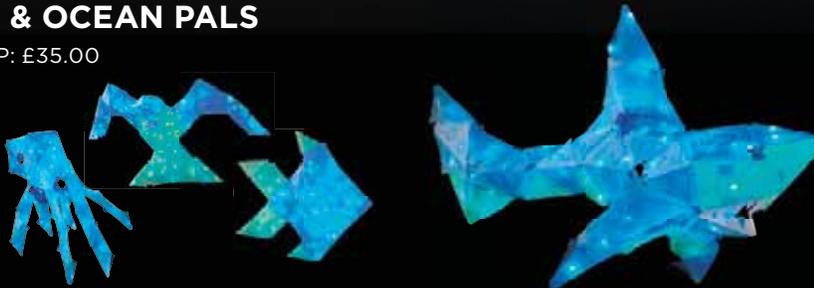
## STARLIGHT KITTY & CUTIE CREW

888003 AGES 8+ MSRP: £24.00  
CASE PACK QTY: 6  
MODELS: 4  
PIECE COUNT: 66  
LED LIGHTS: 40  
BUILD TIME: 20-30 MIN.



## SHIMMER SHARK & OCEAN PALS

888004 AGES 8+ MSRP: £35.00  
CASE PACK QTY: 5  
MODELS: 4  
PIECE COUNT: 140  
LED LIGHTS: 100  
BUILD TIME: 30-45 MIN.



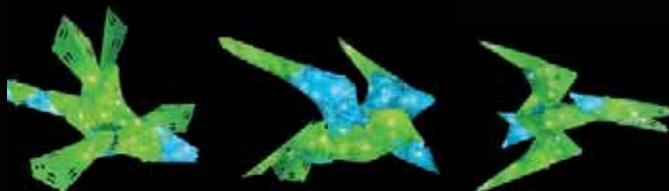
## SPARKLE UNICORN & FRIENDS

888005 AGES 8+ MSRP: £35.00  
CASE PACK QTY: 5  
MODELS: 4  
PIECE COUNT: 141  
LED LIGHTS: 80  
BUILD TIME: 30-45 MIN.



## SOARING DRAGON & FLYING FRIENDS

888010 AGES 8+ MSRP: £35.00  
CASE PACK QTY: 5  
MODELS: 4  
PIECE COUNT: 138  
LED LIGHTS: 80  
BUILD TIME: 30-45 MIN.



LIMITED  
STOCK



# PRODUCT DATA

PAGE NUMBER	ITEM NUMBER	PRODUCT DESCRIPTION	Minimum Age (Years)	SINGLE UNIT DIMS (cm)	CASE DIMS (cm)	SINGLE UNIT WEIGHT (kg)	CASE UNIT WEIGHT (kg)	Units Per Case	Country of Origin	Barcode
4	7617264	Forensic Investigation Kit	8+	29 x 21.5 x 8	45 x 24 x 32	0.5	3.25	5	Taiwan	4002051617264
4	7617257	Spy Location Tracker	8+	16.5 x 23 x 13	41 x 35 x 25	0.6	3.5	6	China	4002051617257
5	630912	Master Detective Toolkit	8+	26 x 20 x 8	43 x 28 x 23	1.1	6	5	Germany	814743011472
5	1665333	Digital Safe	8+	21 x 16 x 12	45 x 35 x 25	0.4	2	6	China	4002051665333
7	550034	Gravity Bugs™ - Free-Climbing MicroBo	8+	22.4 x 28 x 6.4	40.6 x 30.5 x 25.4	0.4	2.7	6	Taiwan	814743015654
7	550014	Ultralight Airplanes	8+	22.5 x 28 x 6.5	35.5 x 30.5 x 25.5	0.3	2	5	Taiwan	814743010871
7	550020	Rubber Band Racers	8+	22.5 x 28 x 6.5	35.5 x 30.5 x 25.5	0.2	1.5	5	Taiwan	814743011564
7	550030	Solar-Powered Rovers	8+	19.5 x 29 x 6.5	31 x 21.5 x 34.5	0.5	2.7	5	Taiwan	814743014732
8	550033-4	Glow-in-the-Dark Science Lab	8+	19.5 x 29 x 6.5	31 x 21.5 x 34.5	0.3	1.8	4	Taiwan	814743014756
8	7616571	Mysterious World of Crystals	8+	19.5 x 29 x 6.5	31 x 21.5 x 34.5	0.4	2.2	5	Germany	4002051616571
8	7616595	Magic of Magnets	8+	19.5 x 29 x 6.5	31 x 21.5 x 34.5	0.4	2.2	5	China	4002051616595
8	550032	Gross Anatomy	8+	19.5 x 29 x 6.5	31 x 21.5 x 34.5	0.3	1.8	5	Taiwan	814743014749
9	550035	Incredible Inflatable Aero Dancer	8+	22.4 x 28 x 6.4	40.6 x 30.5 x 25.4	0.3	2.7	6	Taiwan	814743015661
9	665036	Motors & Generators	8+	25.4 x 28 x 6.4	35.6 x 28.5 x 31.1	0.5	2.7	5	China	814743010390
9	550048	Water Power: Rocket Propelled vehicle	8+	28 x 10 x 10	32 x 30 x 21.5	0.3	2.4	6	Taiwan	81474301694
10	665069	Simple Machines	8+	25.4 x 28 x 6.4	35.6 x 28.6 x 31.1	0.7	3.5	5	Taiwan	814743014145
10	550037	Orbiting Solar System	8+	25.4 x 28 x 6.4	40.6 x 30.5 x 28	0.6	4.5	6	Taiwan	814743015685
10	665007	Genetics & DNA Lab	10+	25.4 x 28 x 6.4	40.6 x 30.5 x 28	0.6	4.1	6	Germany	814743016026
10	550041	Easy Electric Circuits	8+	25.4 x 28 x 6.4	40.6 x 30.5 x 28	0.5	3.6	6	Taiwan	814743015722
11	1665289	Prehistoric Sea Dogs	8+	18.5 x 22 x 5.5	38.5 x 29.5 x 24	0.1	1.5	10	Germany	4002051665289
11	1665277	Bouncing Planets	8+	18.5 x 22 x 5.5	38.5 x 29.5 x 24	0.2	2.5	10	Taiwan	4002051665227
11	1665265	Crystal Growing	8+	18.5 x 22 x 5.5	20.5 x 23.5 x 30	0.3	3.5	5	Germany	4002051665265
11	567012	Intro to Tools & Building	3+	37 x 29.2 x 7	42.5 x 39 x 32.5	1.1	7.8	6	Taiwan	81474301687
11	567018	Intro to Gears	3+	37 x 29.2 x 7	42.5 x 39 x 32.5	1.2	8	6	Taiwan	81474301688
12	567006	Automobile Engineer	3+	37.3 x 16 x 24	51 x 41 x 33	1.8	8.5	4	Taiwan	814743011380
12	567009	Robot Engineer	3+	37.3 x 16 x 24	51 x 41 x 33	1.5	6.5	4	Taiwan	814743012042
12	567012	Coding and Robotics	4+	42.7 x 29.2 x 10.1	44.4 x 34.3 x 33	2.8	8.2	3	Taiwan	814743013490
12	606114	Kids First Weather Science	5+	20 x 20 x 6	22 x 22 x 38	0.2	1.7	6	Germany	857853001452
12	606916	Kids First Stars and Planets	5+	20 x 20 x 6	22 x 22 x 38	0.3	2.3	6	Germany	814743010086
12	606115	Kids First Plants Science	5+	20 x 20 x 6	22 x 22 x 38	0.3	2.1	6	Germany	5060282510876
13	567014	Robot Safari	5+	25.5 x 28 x 6.5	33 x 30.5 x 28	0.5	2.8	4	Taiwan	814743014107
13	567015	Robot Pet Shop	5+	25.5 x 28 x 6.5	33 x 30.5 x 28	0.5	2.8	4	Taiwan	814743014862
13	567016	Robot Factory	5+	25.5 x 28 x 6.5	33 x 30.5 x 28	0.5	2.8	4	Taiwan	814743014879
14	567003	The Human Body	5+	37 x 29.5 x 8	43 x 41 x 33	0.9	5	5	Germany	814743011359
14	567001	Stepping into Science	5+	37 x 29.5 x 8	43 x 41 x 33	0.8	4.5	5	Germany	814743011335
14	567002	Intro to Engineering	5+	37 x 29.5 x 8	43 x 41 x 33	0.8	4.5	5	Germany	814743011342
14	510869	My Discovery Giant Triops	8+	43 x 29.5 x 8	46 x 46 x 33	0.8	4.5	5	Germany	5060282510869
14	510449	My DiscoveryTriops	8+	33 x 22.5 x 8	35 x 25 x 35	0.6	3.5	5	Germany	5060282510449
15	261050	Tiger	8+	37.5 x 27.5 x 8	39 x 30 x 35	0.6	2.9	4	China	5060282510586
15	261110	Great White Shark	8+	37.5 x 27.5 x 8	39 x 30 x 35	0.6	2.9	4	China	5060282510579
15	260840	Human Pregnancy Torso	8+	29.5 x 7 x 23	39 x 30 x 35	0.4	2.9	6	China	5060282511163
15	260830	Human Body	8+	29.5 x 7 x 23	39 x 30 x 35	0.4	2.9	6	China	5060282510746
15	676919	My Discovery Telescope	6+	43 x 14.5 x 4.5	46 x 31 x 31.5	0.4	4.5	12	Taiwan	5060282510432
16	642106	Ooze Labs Alien Slime Lab	8+	21.5 x 29.2 x 8.1	36.5 x 24.1 x 32.8	0.5	4.1	4	Taiwan	814743014183
16	642105	Ooze Labs Chemistry Set	8+	42.7 x 29.2 x 8.1	43.8 x 26.7 x 31.7	1.5	4	3	Taiwan	814743013346
17	678004	Planetarium Projector	8+	16.5 x 16.5 x 16.5	52 x 35 x 19	0.5	3.6	6	China	814743017931
18	678002	Gyroscope	8+	10 x 10 x 10	42 x 42 x 32	0.2	2.9	12	China	814743016996
18	678001	Plasma Ball	14+	14.5 x 14.5 x 25	45 x 30.5 x 28	0.5	3.2	6	China	814743016989
18	677016	Telescope	8+	38 x 20 x 9	40 x 21 x 38	0.9	3.9	4	China	814743016972
19	661007	Science Advent Calendar	8+	37 x 29 x 6	39 x 32 x 31	0.6	3.9	5	China	814743018297

# PRODUCT DATA

PAGE NUMBER	ITEM NUMBER	PRODUCT DESCRIPTION	Minimum Age (Years)	SINGLE UNIT DIMS (cm)	CASE DIMS (cm)	SINGLE UNIT WEIGHT (kg)	CASE UNIT WEIGHT (kg)	Units Per Case	Country of Origin	Barcode
19	585001	Happy Atoms Complete Set	10+	45.5 x 31 x 9.6	48 x 35 x 33	1.8	5.7	3	China	814743011953
19	585005	Happy Atoms 2D: Interactive Puzzles	8+	23 x 24 x 7.5	42 x 26 x 25.5	0.4	2.7	6	China	814743015821
20	642525	Intro to Chemistry	8+	43 x 29.5 x 8	46 x 46 x 33	1.4	7.5	5	Germany	5060282511545
20	665012	Chemistry C500	10+	33.3 x 22.6 x 6.6	35.3 x 35 x 25.8	0.6	3.2	5	Germany	857853001513
20	640118	CHEM C1000 (V 2.0)	10+	37 x 29.5 x 8	43 x 41 x 33	1	5.5	5	Germany	814743010246
20	640125	CHEM C2000 (V 2.0)	11+	54 x 37 x 12	56 x 38 x 38	1.9	6.2	3	Germany	814743010253
21	625414	Structural Engineering	8+	37 x 29.5 x 8	43 x 41 x 33	1	6.4	6	Taiwan	814743012585
21	625416	Architectual Engineering	8+	37 x 29.5 x 8	43 x 41 x 33	1	5.4	5	Taiwan	814743014138
21	625417	Roller Coaster Engineering	8+	37.1 x 29.2 x 7.9	43.2 x 40.6 x 33	0.9	4.5	5	Taiwan	814743015845
22	620304	Newton's Apple: Tightrope Gyrobot	8+	25.5 x 28 x 3.5	30 x 28 x 23.5	0.4	2.5	6	Taiwan	814743017948
22	620502	Ultra Bionic Blaster	8+	25.5 x 28 x 3.5	53 x 38 x 30.5	0.7	5	6	Taiwan	81474301691
23	620392	Kai: Artificial Intelligence Robot	10+	25.5 x 28 x 12	38.5 x 30 x 27	0.8	2.7	3	Taiwan	814743017009
24	620377	Robotics Workshop	10+	54 x 37 x 10	56 x 33 x 38	1.5	5	3	Taiwan	814743012080
24	620384	Robotics: Smart Machines - Super Sphe	8+	38.1 x 33.3 x 7.9	40.6 x 35.6 x 34.3	1.4	5.4	4	Taiwan	814743014947
24	620375	Robotics Smart Machines	8+	48.5 x 33 x 10	53.5 x 41 x 35.5	1.4	6.1	3	Taiwan	814743011489
24	620302	The Amazing Tightrope-Walking Gyrobo	6+	25.5 x 33 x 8	35.5 x 35.5 x 28	0.7	3.6	4	Taiwan	814743014893
25	620417	Electricity & Magnetism	8+	43 x 29.5 x 8	46 x 46 x 33	1.1	6	5	China	814743010451
25	555004	Remote-Control Machines	8+	37 x 29.5 x 8	43 x 41 x 33	1.6	8.5	5	Taiwan	814743010147
25	642116	Massive Erupting Volcano	8+	42.7 x 29.2 x 6.4	40.6 x 40.6 x 33	1.3	8.6	6	Germany	814743015852
26	624811	Hydropower	8+	37 x 29.5 x 8	43 x 41 x 33	1	5.5	5	Taiwan	857853001841
26	627929	Wind Power	8+	37 x 29.5 x 8	43 x 41 x 33	1.1	6	5	Taiwan	814743014916
27	552001	ReBotz: Scootz - The Cranky Crawling R	6+	10 x 10 x 9.6	33 x 23 x 13	0.2	1.8	6	China	814743015760
27	552002	ReBotz: Pogo - The Jammin' Jumping R	6+	10 x 10 x 9.6	33 x 23 x 13	0.2	1.8	6	China	814743015777
27	552003	ReBotz: Halfpipe - The Shredding Skater	6+	10 x 10 x 9.6	33 x 23 x 13	0.2	1.8	6	China	814743015784
27	552004	ReBotz: Knox - The Wacky Walking Rob	6+	10 x 10 x 9.6	33 x 23 x 13	0.2	1.8	6	China	814743015791
28	680282	Magic Hat	6+	25.5 x 25 x 17	54 x 35.6 x 28	0.9	4	4	Thailand	814743012547
28	698225	Magic Silver	8+	36 x 26 x 8	48.5 x 28 x 38	0.8	4.5	6	Thailand	814743012011
28	698232	Magic Gold	8+	47.5 x 33.5 x 8	48.5 x 41 x 35.5	1	4.5	4	Thailand	814743012028
29	03462	Northern Lights Polar Bear & Winter Pa	8+	20 x 20 x 4.5	28.5 x 22 x 21.5	0.3	1.8	6	Taiwan	5700002003546
29	03461	Moonlight Elephant Safari	8+	20 x 20 x 4.6	28.5 x 21.5 x 21.5	0.2	1.4	6	Taiwan	5700002003461
29	03479	Luminous Lion & Serengeti Sidekicks	8+	20 x 20 x 4.5	28.5 x 22 x 21.5	0.3	1.7	6	Taiwan	5700002003553
30	03478	Magical Moose & Forest Friends	8+	20 x 20 x 4.5	28.5 x 21.5 x 21.5	0.2	1.4	6	Taiwan	5700002003478
30	03494	Glowing Panda & Monochrome Crew	9+	25.5 x 23.5 x 4.8	30.5 x 26.5 x 25.5	0.4	3	6	Taiwan	5700002003577
30	03493	Shining Sweetheart & Lovable Stuff	9+	25.5 x 23.5 x 4.8	30.5 x 26.5 x 25.5	0.5	3.3	6	Taiwan	5700002003560
30	03492	Starlight Kitty & Cutie Crew	9+	25.2 x 23.2 x 4.8	29.5 x 27.5 x 25	0.4	2.5	6	Taiwan	5700002003492
30	03522	Shimmer Shark & Ocean Pals	10+	32 x 28 x 5	33 x 30 x 25.5	0.7	4	5	Taiwan	5700002003522
30	03539	Sparkle Unicorn & Friends	10+	32 x 28 x 5	33 x 30 x 25.5	0.7	4	5	Taiwan	5700002003539
30	03523	Soaring Dragon & Flying Friends	10+	32 x 28 x 5	33 x 30 x 25.5	0.8	4.6	5	Taiwan	5700002003584

# LAST CHANCE ITEMS

The following products are available in limited quantities and will be discontinued once out of stock.



## GRAVITY BUGS: FREE-CLIMBING MICROBOT

550034 AGES 8+  
MSRP: £20.00  
CASE PACK QTY: 6



## INCREDIBLE, INFLATABLE AERO DANCER

550035 AGES 8+  
MSRP: £20.00  
CASE PACK QTY: 6



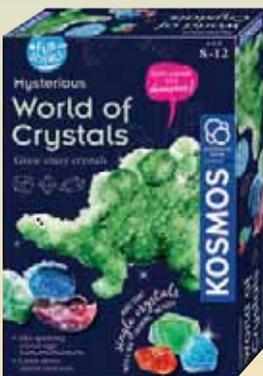
## ROBOTICS: SMART MACHINES

620375 AGES 8-14  
MSRP: £120.00  
CASE PACK QTY: 6



## ROBOTICS: SMART MACHINES - SUPER SPHERE

620384 AGES 8-14  
MSRP: £120.00  
CASE PACK QTY: 6



## MYSTERIOUS WORLD OF CRYSTALS

7616571 AGES 8+  
RRP: £20.00



## WEATHER SCIENCE

606114 AGES 5-7 RRP: £15.00  
EXPERIMENTS: 10



# LAST CHANCE ITEMS

The following products are available in limited quantities and will be discontinued once out of stock.



## STARS AND PLANETS

606916 AGES 5-7 RRP: £15.00  
EXPERIMENTS: 11



8 147430 100862



## PLANTS SCIENCE

606115 AGES 5-7 RRP: £15.00  
EXPERIMENTS: 11



5 060282 510876



## SHINING SWEETHEART & LOVABLE STUFF™

888009 AGES 8+ MSRP: £24.00  
CASE PACK QTY: 6



8 14743 01563 0



## GLOWING PANDA & MONOCHROME CREW

888008 AGES 8+ MSRP: £24.00  
CASE PACK QTY: 6



8 14743 01562 3



## CREATTO MOOSE

888002 AGES 8+ MSRP: £12.00  
CASE PACK QTY: 6



5 700002 003478



## SOARING DRAGON & FLYING FRIENDS

888010 AGES 8+ MSRP: £35.00  
CASE PACK QTY: 5



5 700002 003584

# LAST CHANCE ITEMS

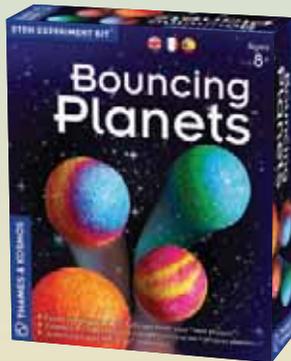
The following products are available in limited quantities and will be discontinued once out of stock.



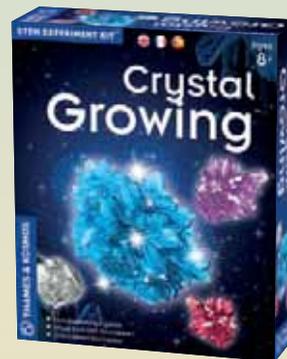
**HUMAN PREGNANCY TORSO**  
260840 AGES 8+ RRP: £32.50



**PREHISTORIC SEA DOGS**  
1665289 AGES 8+  
RRP: £10.00



**BOUNCING PLANETS**  
551103 AGES 8+ RRP: £10.00  
CASE PACK QTY: 6



**CRYSTAL GROWING**  
551105 AGES 8+ RRP: £10.00  
CASE PACK QTY: 6





# OPEN FOR BUSINESS!

## The Detective Gear Experts



THAMES AND KOSMOS UK LP  
A Kosmos International Company  
20 Stone Street  
Cranbrook  
TN17 3HE  
UK

phone 01580 713000

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[www.thamesandkosmos.co.uk](http://www.thamesandkosmos.co.uk)

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