K'NEX K-8 Motorised construction set (79818)

*Age: 5+ 
1475 Classic K'NEX pieces*

A superb general-purpose motorised classic K'NEX set, for K'NEX enthusiasts aged 5 to 95!

Equally suitable for use at home, or in schools and other educational settings.

Includes:

~ A red tethered battery motor and a spring motor

~ A large selection of wheels, gears and panels

~ A 218-page instruction book and also a 104-page instruction book, with printed full-colour instructions to build 80 models including:

Crane
Robot scout
Rocket and mobile launcher
Flapping dragon
Flying machine
Dump truck
Brontosaurus
Helicopter
Various fairground rides
Moon rover
Future car
Motorbike with sidecar
Pick-up truck
Double Ferris wheel

The 80 models range from simple models for beginners, to sophisticated motorised models for K'NEX experts young and old.

In a school setting, supports up to 12 pupils building simultaneously in teams of 2-3.
K’NEX Simple machines deluxe set (79565)

Age: 8-14

A huge K'NEX set, designed for use as a general-purpose K'NEX resource for schools and colleges. Supports 10-20 students working in groups of 2-4. Ideal for STEM explorations. Includes:

~ a powerful mains-powered 12v motor (with adaptor for UK, European or Australia/New Zealand mains supply)

~ printed full-colour instructions to build a science fair model, the 4’ (1.2m) tall Big Ball Factory

~ CDROM containing 5 comprehensive teacher’s guides (Levers, Pulleys, Gears, Wheel & Axles, Inclined Planes)

~ printed full-colour instructions to build the following 57 educational models suitable for ages 8 to 14:
  <hr>Pulleys: Pulley stand – fixed pulley, Pulley stand – moveable pulley, Pulley stand – combination pulley, Flagpole, Sailing boat, Clothes line, Elevator, Block and Tackle, Crane
  <hr>Levers: Balance, See-saw, Second class lifter, Third class lifter, Catapult, Handcart, Rowing boat, Scissors, Door, Wheelbarrow, Fishing Rod, Hammer, Tweezers, Lever mobile, Rubber band scale
  <hr>Gears: Spur gears, Bicycle gears, Crown gear, Rack and pinion, Worm and worm gear, Planetary gear, Simple transmission, Car window, Lawnmower, Egg beater, Food mixer, Axle and axle with differential, Clock
  <hr>Inclined planes: Roller coaster ramps, Moving truck, Splitting wedge, Chisel, Axe, Hand drill, Archimedes screw, Propeller, Playground ride
  <hr>Wheels and axles: Spinner, Wishing well, Wrench, Screwdriver, Ferris wheel, Water wheel, Paddlewheel boat, Windmill, Measuring wheel, Wagon, Carousel.

In a class setting, the set is designed to be split between five groups of 2-4 students, the first group building the Pulleys models, the second group building the Levers models, etc. This allows 10-20 students to share a single set.

Note that the huge number of parts allows multiple copies to be built of many models, so that a group of 4 students can be building 2 models simultaneously, if desired.

Please note that, for customers in Europe, the set is supplied in a robust blue storage tub. For customers outside Europe, the set is supplied without a storage tub, which significantly reduces the shipping cost.

Former product code for this set was 79520.
K'NEX STEM Explorations Gears building set (79318)

Age: 8+  143 Classic K'NEX pieces

The fascinating K'NEX Gears building set allows 1-2 children to build 3 geared models: a Crank Fan, a Car Window and an Egg Beater.

The printed instruction booklet provides instructions for the crank fan, and details of some interesting experiments that can be performed using this model.

Instructions and experiments for the other two models are then available online.

When used in an educational setting, the set will further the children’s knowledge and understanding of Science, Technology, Engineering and Math (STEM) concepts, including gear configurations, gear ratios, rotational speed and mechanical advantage.

Age with parental help: 6+

K'NEX STEM Explorations Vehicles building set (79320)

Age: 8+  131 Classic K'NEX pieces

The K'NEX Vehicles building set includes two K'NEX motors.

The set allows 1-2 children to build 7 vehicle models with different power sources, including a spring motor, rubber band power, wind power and push-power.

The printed instruction booklet provides instructions for a spring-motor-powered racer and a rubber band racer, and details of some interesting experiments that can be performed using the second of these models.

Instructions and experiments for the other five models are then available online.

When used in an educational setting, the set will further the children's knowledge and understanding of Science, Technology, Engineering and Math (STEM) concepts, including potential & kinetic energy, velocity, acceleration, motion and graphing.

Age with parental help: 6+