

Homeschool

Teach engineering, math, and science concepts with our hands-on products.



education
HOME SCHOOL



EARLY SIMPLE MACHINES III PACK



Introduce pulleys, gears, and wheels and axles while exploring energy, buoyancy, and balance. This special pack includes an activity pack with eight 45-minute lessons, each with extension activities and four additional open-ended problem-solving activities. For ages 5+.

HM991434—\$118



EARLY STRUCTURES SET

Students learn basic structures concepts with hands-on exploration including balance within structures, ways of building structures, and stability. Set includes teacher notes with support for 16 activities, 14 investigation and problem-solving cards, and an inventory list. For ages 5+.

HM779660—\$80.95



TECH MACHINES SET

Using the popular play theme of travel, students learn about machines, the tools used to work on them, and their functions. An activity pack is also included that features story starters, problem-solving tasks, and full-color illustrations. For ages 3+.

HM779206—\$145.95



SIMPLE MACHINES MINI SETS



Use these mini sets to introduce the three classes of levers and gears with a merry-go-round and a fan. You can also investigate fixed and movable pulleys and belt drives and learn about single and separate axles, steering, rolling, and friction. For ages 8+.

GEARS MINI SET WITH TEACHER'S GUIDE

HM919610—\$25.75

LEVERS MINI SET WITH TEACHER'S GUIDE

HM919622—\$25.75

PULLEYS MINI SET WITH TEACHER'S GUIDE

HM919614—\$25.75

WHEELS & AXLES MINI SET WITH TEACHER'S GUIDE

HM919616—\$25.75



TUBES EXPERIMENT SET



This updated set helps students learn how things work while seeing gravity in action. The set includes lots of tube elements that allow children to explore dimensions, shapes, input, and output, while experimenting with cause and effect. For ages 18 months+.

HM779076—\$89.95



Items marked with a  are specially bundled and priced for homeschool use.

For more homeschool products and product information go online to www.LEGOeducation.com/homeschool.


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PITSCO
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Build Your Own Experience!



	Individual Price	Item	Homeschool Bundles 			
			A)HM919630	B)HM991398	C)HM991342	D)HM991374
		Homeschool Price	\$147	\$139	\$91	\$116
HM979630	\$83.95	Simple Machines Set	x	x		
HM979615	\$34.95	Motor	x	x		x
HM979631	\$42.00	Simple Machines Activity Pack	x			
HM991249	\$8.00	Engineering I Workbook		x		
HM991257	\$30.00	Engineering I Teacher's Guide		x		
HM991313	\$8.00	Engineering II Workbook			x	x
HM991314	\$30.00	Engineering II Teacher's Guide			x	x
HM979649	\$59.00	Technology Resource Set			x	x

A) Motorized Simple Machines Set with Activity Pack. Let your students discover structures and forces, levers, wheels and axles, gears, pulleys, and more with this special homeschool pack. The activity pack includes outlines for 45 lessons, background information, vocabulary words, worksheet answers, and design challenges. For ages 8+.

B) Motorized Elementary Engineering I. Introduce your students to the world of engineering. The workbook and teacher guide includes diagrams, charts, illustrations, questions, challenges, and answer key. For ages 9+.

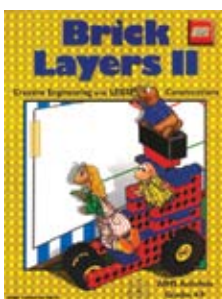
D) Motorized Elementary Engineering II. Take engineering to the next level. If you already have Elementary Engineering I (991398), order C) - Elementary Engineering II without Motor.



MOTORIZED MECHANISMS PACK

Let your students explore scientific inquiry, physical science, technology, teamwork, and problem-solving skills with the *Motorized Mechanisms Set* and the *Mechanisms Activity Pack*. The activity pack includes sixteen 45-minute activities, six extension activities, worksheets, teacher notes, and more. This set is a perfect tool for preparing students for the engineering and problem-solving challenges they will encounter with LEGO® MINDSTORMS® Education robotics sets and curriculum.

HM991435—\$154



BRICK LAYERS II: CREATIVE ENGINEERING WITH LEGO® CONSTRUCTIONS

This book includes creative engineering challenges that are math intensive. Use with the *Motorized Simple Machines Set*. HM990244—\$39.95

MEDIEVAL MACHINES PACK

Students learn the math and science required to build siege machines. Pack includes one *Trebuchet Kit*, one *Catapult Kit*, and the book *Siege Machines*.

HM991273—\$22.95





LEGO® MINDSTORMS® EDUCATION NXT HOMESCHOOL PACK

This special pack includes the LEGO® MINDSTORMS® Education NXT Base Set and Software. Includes 431 elements to build an endless variety of robotic models and the icon-based programming software needed to program the models. Built into the software are 39 tutorials complete with electronic building instructions, programming guides, and animations.

The software is Mac OS X and Windows XP compatible.

HM979917—\$315



HOMESCHOOL NXT ROBOTICS ENGINEERING I: INTRODUCTION TO MOBILE ROBOTICS

Used with the LEGO® MINDSTORMS® Education NXT Base Set and Software, this introductory CD-based curriculum designed by Carnegie Mellon especially for homeschool use, provides six weeks of robotics instruction and serves as an exhaustive introduction to the LEGO MINDSTORMS Education NXT system and all concepts associated with mobile robotics.

HM991400—\$49

LEGO® MINDSTORMS® NXT HOMESCHOOL PACK WITH CURRICULUM I

Want an all in one special bundle? Then the LEGO® MINDSTORMS® NXT Homeschool Pack with Curriculum I is for you. Includes LEGO MINDSTORMS Education NXT Base Set, LEGO MINDSTORMS Education Software v.1.1, and Homeschool NXT Robotics Engineering I.

HM991399—\$360



STRUCTURES SET AND ACTIVITY PACK

Your students will discover many structure concepts including stability within bridges and towers, forces on structures, and strength of materials. The activity pack includes worksheets, teacher notes, background information, templates, and a copy of the *Concept Guide: Bridges, Towers, and Other Structures*.

HM919618—\$109



HOME SCHOOL NXT ACTIVITY EXTENSION PACK

Use the *Education Resource Set* and *Robotics Projects Mat* to build bigger and more complex robots and complete more challenging engineering projects.

HM991436—\$78

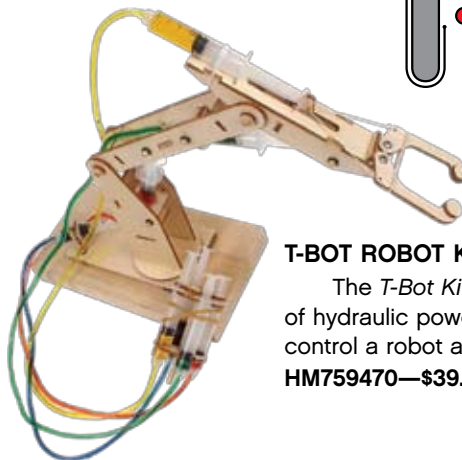


MAYAN ADVENTURE PACK

With the LEGO® MINDSTORMS® NXT *The Mayan Adventure* book and parts pack, your students will learn to build and program robots in a fun and adventurous way.

HM991437—\$39

T-Bot™



T-BOT ROBOT KIT

The *T-Bot Kit* illustrates the use of hydraulic power and mechanics to control a robot arm.

HM759470—\$39.95

SCIENCE AND MATH FOR TECHNOLOGY

Use this book for a reference guide for science concepts and math formulas and their relation to technology. Paperback, 241 pages.

HM757918—\$21.95



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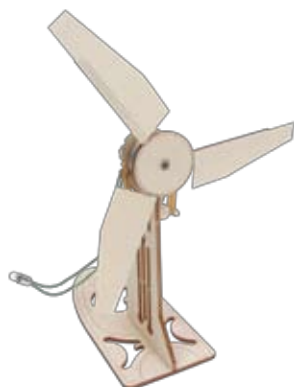


Master Innovations uses clear overlays to help your students better understand measurements, angles, fractions, and time. *The Master Ruler* has five different layers, each depicting a separate measurement. *The Master Clock* uses color-coordinated hands with clear overlays to illustrate hours, half hours, quarter hours, minutes, and seconds. *The Master Fraction* shows how bigger units break down into smaller units. *The Master Angle* uses an overlay to make, visualize, and understand all kinds of angles. A reproducible workbook is also offered for each of the Master Innovations products: *Master Ruler Workbook*, 24 pages; *Master Clock Workbook*, 100 pages; *Master Fraction Workbook*, 76 pages; and *Master Angle Workbook*, 76 pages.



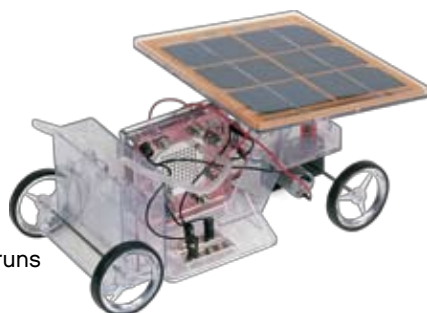
RENEWABLE ENERGY PACK WITH ACTIVITY PACK

Through building models of a waterwheel, windmill, Ferris wheel, and solar car, students get to experience renewable energy. The activity pack includes worksheets, supporting experiments, and project work with all three energy sources.
HM919681—\$194



WIND GEN KIT

Build a windmill that catches a breeze from a fan and converts it into energy.
HM732197—\$12.95



FUEL CELL CAR AND EXPERIMENT KIT

No batteries needed when you build a car that runs on water!
HM758309—\$150



HOMESCHOOL MOUSETRAP CAR PACK

Let your students build a vehicle powered with a mousetrap while introducing them to physics. This pack includes one car kit and one *Mousetrap Powered Cars & Boats* book.
HM917033—\$24

	Tool	Workbook	Pack
The Master Ruler	HM759206—\$8.50	HM759209—\$6.50	HM919645—\$14
The Master Angle	HM759215—\$4	HM991309—\$10	HM991344—\$13
The Master Clock	HM759214—\$12.50	HM991311—\$10	HM991343—\$21
The Master Fraction	HM759213—\$15.95	HM991310—\$10	HM991345—\$24.50
Master Math Set II			HM991346—\$90



MARVELS OF MEASURES POSTER

Help students make sense of the confusing concept of measurement.
HM991312—\$10



PHOTOSYNTHESIS TEACHER PACK

Build molecular models with LEGO® bricks while learning about photosynthesis and cellular respiration. Includes teacher's guide and student materials with two large posters. For ages 12+.
HM909742—\$89
HM979742 Student Set only—\$29



CHROMOSOMES TEACHER PACK

Learn the intricacies of chromosomes with this custom LEGO® set. Includes teacher guide and student materials.
HM 909743—\$149
HM979743 Student Set only—\$39



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