
















SSS Catalog

		KIT NAME	CAT No.	
	1	<i>Crystallization from Supersaturated Solutions</i>	1030-06	<p>Disposable kit. Includes six stabilized supersaturated solutions, six petri dishes, a vial of sodium acetate crystals and a vial containing sodium chloride crystals. Economy packages are available.</p> <p>Teaching topics: Solutions - saturated and supersaturated, Crystallization, Seeding, Enthalpy of crystallization.</p>
	2	<i>Conductivity of Solutions and solids - Expanded Version</i>	1040-22	<p>Multiple use. Includes a conductivity device (6x9x15 cm), with a battery, six containers with different solutions, sugar and salt, an empty container, a spare bulb and a set of solids.</p> <p>Teaching topics: Properties of water, Self dissociation of water, Electrolytes and non-electrolytes, Strong and weak acids and bases, Strong and weak electrolytes.</p>
	3	<i>Conductivity of Solutions with ammeter</i>	1043-08	<p>Multiple use. Includes a conductivity device with a milliammeter (6x9x15 cm) including a bulb & a battery, six containers with different materials, sugar and salt, an empty container and a spare bulb.</p> <p>Teaching topics: Properties of water, Self dissociation of water, Electrolytes and non-electrolytes, Strong and weak acids and bases, Strong and weak electrolytes.</p>
	4	<i>Combustion of Mg in Air & in CO2</i>	1068-12	<p>Disposable kit. Includes: a gas generator, chemicals for experiments, a reaction vessel, magnesium ribbons with holders. Refills are available.</p> <p>Teaching topics: Combustion, Oxidation-Reduction processes, Enthalpy of reaction, Exothermic reactions.</p>
	5	<i>An Extreme Endothermic Reaction</i>	1060-12	<p>Disposable kit. Includes containers with reactants, a reaction vessel and a wooden board. Economy packages are available.</p> <p>Teaching topics: Spontaneous endothermic reactions, Order and disorder, Gibbs free energy and the driving force of chemical reactions.</p>




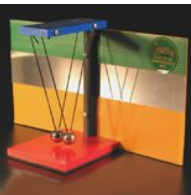
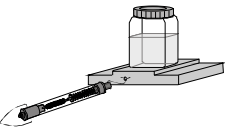
SSS Catalog

		KIT NAME	CAT No.	
	6	<i>Tuning Fork – Sound Energy</i>	5682-08	<p>Multiple use. Includes a poster and a lesson layout.</p> <p>Teaching topics: The poster and lesson plan give some historical background, explain radioactive decay and specifies its common types. They deal with its risks and describe some of its applications.</p>
	7	<i>The Molar Mass of Magnesium</i>	1080-08	<p>Multiple use. Includes a hydrogen generator and a gas collection cylinder with stand, and chemicals. Refills are available.</p> <p>Teaching Topics: Determination of molar mass, Stoichiometric ratios, Ideal Gas Equation, Pressure and partial pressure, Vapor pressure.</p>
	8	<i>Le Chatelier's Principle-Common Ion Effect</i>	1091-06	<p>Disposable kit. Includes containers with powdered calcium carbonate, bottles containing acetic acid, bottles containing acetic acid & sodium acetate and 2 test containers.</p> <p>Teaching topics: Weak acids, Chemical equilibrium, Le Chatelier's Principle. Rates of reaction.</p>
	9	<i>The Nylon Rope Trick - with Special Stand</i>	1122-08	<p>Multiple use. Includes a special plastic stand, plastic rods, colored solutions and three reaction vessels. Additional refills are available.</p> <p>Teaching topics: Chemical bonding, Polymers, Interfaces between immiscible liquids.</p>
	10	<i>Polymerization - Cross-Linking</i>	1127-12	<p>Disposable kit. Poly-vinyl alcohol (P.V.A.) is cross-linked using borax, producing a gel, which can be later destroyed by the addition of salt. The kit includes: 12 bottles of P.V.A solution, borax solution, dye solution, salt containers, a stirring rod, transparent plastic containers and a pipette.</p>






SSS Catalog

		KIT NAME	CAT No.			
	11	<i>"Steam Cannon"</i>	1131-00		<p>Multiple use. When water inside a closed container is heated to boiling, the increase in pressure, as a result of the formation of steam, shoots the cork out of the tube. The supporting wagon moves in the opposite direction.</p> <p>Teaching topics: Pressure, Phase transition, Newton's Laws.</p>	
	12	<i>Electric Generator</i>	1132-00		<p>Multiple use. Turning a handle causes a magnet to rotate inside a metal coil, producing an electric current which lights up a bulb. Rotating the handle at a greater speed increases the brightness of the light. By means of an external battery, the generator can be transformed into an electric motor.</p> <p>Teaching topics: Energy transformations, the Principle of the electric generator and the electric motor.</p>	
	13	<i>Visualization of Potential Energy + spare parts</i>	1133-08		<p>Multiple use. The kit consists of a transparent tube in which different weights fall freely. The difference in the potential energy of each weight can be estimated from the depth of the crater made in modelling clay.</p> <p>Teaching topics: Conservation of energy, Conversion of potential energy into kinetic energy.</p>	
	14	<i>Photoelectric Activation of an Engine (Fan)</i>	1134-00		<p>Multiple use. Solar energy is converted into electricity, that is used to activate an electric motor with a propellor.</p> <p>Teaching topics: Direct conversion of light into electricity, Solar energy.</p>	
	15	<i>A Hydro-electric Power Station</i>	1134-99		<p>Multiple use. The pollution-free production of electricity from the power of "falling" water is clearly demonstrated by this safe and simple, but sophisticated, model. A stream of water hits and turns a water-wheel, causing a magnet to revolve. This dynamo produces an electric current which lights up a bulb.</p>	

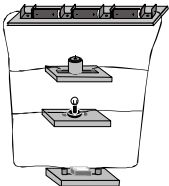




SSS Catalog

		KIT NAME	CAT No.	
	16	<i>Chemical Activation of an Electric Motor (16 experiments)</i>	1136-22	<p>Multiple use. Metal electrodes, when dipped into weak acid, produce electricity which drives an electric fan.</p> <p>Teaching topics: Electrochemistry, Oxidation-Reduction processes, Cell potential, Conversion of chemical energy into electrical energy.</p>
	17	<i>Oxidation States of Manganese</i>	1137-03	<p>Disposable kit. A set of ready-to-use solutions of KMnO_4 and a reducing agent are provided, which enable the observation of the various colored oxidation states of manganese.</p> <p>Teaching topics: Multiple oxidation states of transition metals, Redox reactions, Origin of color in ions.</p>
	18	<i>Electrochemistry + additional refills</i>	1139-08	<p>Multiple use. Includes a voltaic cell, salt bridge, electrodes and solutions. Requires a digital voltmeter which is not provided.</p> <p>Teaching topics: Redox reactions, Ions as charge carriers in solutions, Salt bridge and Electrode potential.</p>
	19	<i>Two Ball Pendulum</i>	1155-00	<p>Multiple use. The interchange of potential energy and kinetic energy, the conservation of energy and elastic collisions can be qualitatively followed. The apparatus is equipped with a mirror which makes it easy to follow the track of the steel balls.</p> <p>Teaching topics: Conservation of energy, Potential energy, Kinetic energy.</p>
	20	<i>Friction – Expanded Version</i>	5668-55	<p>Multiple use. Includes a poster and a lesson layout .</p> <p>Teaching topics: The terms "skill" and "profession" are defined. Types of skills and professions are presented with emphasis on modern technology. The importance of studying and acquiring skills and knowledge is discussed.</p>






SSS Catalog

		KIT NAME	CAT No.	
	21	<i>Electrolysis of Water - with Gas Collection Device</i>	1145-08	<p>Multiple use. Includes an electrolysis device (33x26x15 cms) all parts made of plastic, a stand, platinum-coated electrodes, two taps, universal indicator, a screen, a dropper and solutions for multiple use.</p> <p>Teaching topics: Empirical formula of water, Gas Laws, Electrochemistry, Cathode-anode identification, Acid-base indicators.</p>
	22	<i>Activities in Electromagnetism</i>	1177-38	<p>Multiple use. This is a unique introductory course in electricity and magnetism based on 25 interesting, motivating, and exploratory hands-on experiments. The kit contains experiments of important principles of electricity.</p> <p>Teaching topics: Series and parallel circuits, switches and resistance, electric current and voltage.</p>
	23	<i>Electromagnetism - Oersted's Effect</i>	1177-00	<p>Multiple use. The magnetic field produced by a current in a coil is detected by means of two compass needles. Changing the direction of the electric current reverses the direction of the compass needles. The kit consists of a coil, electric bulb, two compass needles and a battery.</p> <p>Teaching topics: Oersted's discovery of electromagnetism, the Magnetic field pattern surrounding a coil.</p>
	24	<i>Electrostatics - Expanded Version</i>	5668-08	<p>Multiple use. The kit includes an electroscope as well as additional items required for the kit activities, aimed at exploring electrostatics phenomena.</p> <p>Teaching topics: Experimenting with electrostatic forces and understanding their origin. Exploring charges, electric polarization and their effects. Recognizing electrostatic phenomena in our everyday life.</p>
	25	<i>Expansion of Gases</i>	1260-00	<p>Multiple use. A unique apparatus for the visualization of the Gas Laws. Both the effects of adding and removing air or raising the temperature in the container can be easily followed. Includes a transparent container, a lid attached to an electric circuit and battery, a syringe, two manometers, a bottle of colored water with dropper and a stand. Spare parts are available.</p>


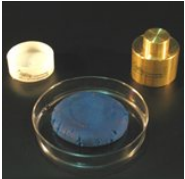



SSS Catalog

		KIT NAME	CAT No.			
	26	<i>Activities in Electricity – single set</i>	1045-38		<p>Multiple use. This is a unique introductory course in electricity and magnetism based on 25 interesting, motivating, and exploratory hands-on experiments. The kit contains experiments of important principles of electricity.</p> <p>Teaching topics: Series and parallel circuits, switches and resistance, electric current and voltage.</p>	
	27	<i>Thermal Expansion of a Bi-Metallic Strip + multimeter</i>	1602-08		<p>Multiple use. Includes a special device, which demonstrates the principle of operation of a bi-metallic strip and some of its applications in everyday life.</p> <p>Teaching topics: Thermal expansion of metals, Principle of operation of a thermostat.</p>	
	28	<i>Blood typing Using Simulated Blood</i>	3370-00		<p>Disposable kit. Includes different types of blood, as well as different Anti Serums, special trays, tips operation instructions, students sheet and background information.</p>	
	29	<i>Volume Determination of a Solid, Using Archimedes Principle</i>	1606-00		<p>Multiple use. The volume of an irregular object can be determined by water displacement. The concept can be verified using a solid cube.</p> <p>Teaching topics: Density, Volume, Volume determination, Buoyancy and Archimedes principle.</p>	
	30	<i>Pressure Gauge With a Piston</i>	1607-00		<p>Multiple use. Consists of a piston to which a pressure gauge is attached.</p> <p>Teaching topics: Properties of gases, Compressibility, Pressure and Force.</p>	






SSS Catalog

		KIT NAME	CAT No.	
	31	<i>Air as a Thermal Insulator</i>	1612-00	<p>Multiple use. Consists of a special device equipped with two thermometers, heating coil and a battery.</p> <p>Teaching topics: Properties of gases, Heat conductivity in gases.</p>
	32	<i>Expansion of Solids</i>	1615-00	<p>Multiple use. Includes expansion device, 2 metal strips, burner and alcohol. Heating a metal rod causes its expansion, which is unnoticeable until magnified by means of a pointer. The different expansion of another metal is demonstrated.</p> <p>Teaching topics: Properties of matter, Heat.</p>
	33	<i>Carbon Cycle</i>	3016-66	<p>Multiple use. Includes lesson layout. Activities aimed to demonstrate the various processes responsible for carbon transfer between hydrosphere, atmosphere, lithosphere and biosphere. The kit includes gas generator and chemicals.</p> <p>Teaching topics: Functioning ecosystem - element cycling, respiration, combustion, sedimentation, decomposition</p>
	34	<i>Periodic Table + Boiling Point Data Chart</i>	1031-66	<p>Multiple use. The kit includes a detailed periodic table poster and an accompanying lesson plan.</p> <p>Teaching topics: The historical development of the periodic table. The close relation between atomic structure and the arrangement of the periodic table. The significance of groups and periods comprising the periodic table. Terms: Atomic weight (mass), atomic number, electronic configuration, metal, non-metal, ionization energy, etc. The poster includes frequently used fundamental physical constants as well.</p>
	35	<i>Nitrogen Cycle</i>	1145-66	<p>Multiple use. Includes a poster describing the natural nitrogen cycling and effects of human intervention on this cycle.</p> <p>Teaching topics: Functioning ecosystem - element cycling, growing better crops, water pollution.</p>






SSS Catalog

		KIT NAME	CAT No.	
	36	<i>Floating Bodies in Liquids of Different Densities</i>	1802-00	<p>Multiple use. Three bodies of equal shape and density are immersed in three containers with water. Salt is added to two of them, until in one of them the cubes float fully immersed, and in the other container the cube floats up to the surface.</p> <p>Topics: Density of liquids, Buoyancy, Archimedes' Law.</p>
	37	<i>Visualizing the Concept of Pressure + Additional refills</i>	1805-00	<p>Multiple use. A metal cylinder, with two differently shaped faces, is placed on top of modeling clay. Imprints are observed when the smaller face adjoins the clay.</p> <p>Teaching topics: Pressure is weight divided by area.</p>
	38	<i>Acid-Base Neutralization –Extended version</i>	2504-08	<p>Multiple kit. Includes transparent containers, HCl solution, NaOH solution, litmus papers. Additional refills are available.</p> <p>Teaching topics: Acid and base reactions, neutralization.</p>
	39	<i>Preparation and recognition of a base + pH meter + Calibrated solutions</i>	2503-00	<p>Multiple kit. Includes reaction vessel, metallic magnesium, pipets, litmus paper, bases of different kinds. Metallic magnesium is burned producing an oxide. When the oxide is dissolved in water, a base is produced, that turns red litmus paper blue. Additional refills are available.</p>
	40	<i>How Can we Measure Viscosity - Advanced Version</i>	1814-08	<p>Multiple use. Includes a device with two sealed-off tubes, filled with two liquids of different viscosity. The advanced version consists of 4 tubes, long enough to permit measuring the rate of fall.</p>




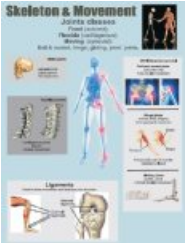

SSS Catalog

		KIT NAME	CAT No.	
	41	<i>Bernoulli's Principle</i>	1825-00	<p>Multiple use. Includes a device with two ping-pong balls on strings and an air pump. When air is squeezed in between the balls, they are attracted one to the other.</p> <p>Teaching topics: Principle of aviation, Bird flying and Sailing.</p>
	42	<i>Steam Boat</i>	1153-00	<p>Multiple use. The kit includes a model of a boat and a propulsion system and equipment required for operating the steam boat model. Additional items are included for exploring surface tension.</p> <p>Teaching topics: Learning how steam boats work. Exploring the involved energy transformations. An additional subject includes exploring the effect of local changes in surface tension on a floating object.</p>
	43	<i>Conductivity of Heat in Solids</i>	3003-08	<p>Multiple use. Includes stand, heating candle, several metal rods (copper, aluminum, stainless steel, brass), plastic rod markers, modeling clay and matches.</p> <p>Teaching topics: Heat conductance in solids, Insulators and heat conducting solids.</p>
	44	<i>Atmospheric Pressure and Vacuum</i>	3005-08	<p>Multiple use. Includes special stand, hand-operated transparent vacuum pump, container with tap + pierced lid, glass bottle, stopper, tap, rubber glove in glass bottle, container with concentrated dye and small container with boiling stones. Several experiments with atmospheric pressure can be simply demonstrated.</p>
	45	<i>Measurement of Hydrostatic Pressure - Manometer</i>	3010-08	<p>Multiple use. Includes plastic manometer (50 x 15 cms) and spare membrane.</p> <p>Teaching topics: Visualizing the meaning of pressure, Atmospheric and Hydrostatic pressure, Pressure measurement techniques.</p>






SSS Catalog

		KIT NAME	CAT No.	
	46	<i>Floating Bodies - The Cartesian Diver</i>	3015-01	<p>Multiple use. Includes 3 small different "divers". Economy packages are available.</p> <p>Teaching topics: Density, Principle of floating, Buoyancy, Compressibility of gases and non-compressibility of liquids under pressure.</p>
	47	<i>Mariotte's Column & Flow rate device</i>	3021-08	<p>Multiple use. Includes 2 liter transparent cylinder, fitted with three taps, a trough, bottle of colored water and plastic tube. The additional device enables comparison of flow rate to outlet area.</p> <p>Refills are available.</p> <p>Teaching topics: Hydrostatic pressure, Pascal's Law, Atmospheric pressure and reduced pressure.</p>
	48	<i>The Strength of Atmospheric Pressure</i>	3040-02	<p>Multiple use. Includes two jars, candle and matches.</p> <p>Teaching topics: Atmospheric pressure, Reduced pressure, Consumption of oxygen in air, Gas Laws, Pressure and force.</p>
	49	<i>Pascal's Jar</i>	3046-00	<p>Multiple use. Includes a container, with a lid and a syringe. Three tubes of different length are immersed in a liquid, at different depths. Using the syringe, pressure in the jar is increased and the rise of the liquid level in the tubes is followed.</p> <p>Teaching topics: Pascal's Law, Hydrostatic pressure.</p>
	50	<i>Interatomic Forces in Metals</i>	3055-00	<p>Multiple use. Includes stand, two lead cylinders, scraping device, container for lead-waste, 500g weight and gloves. Refills are available.</p> <p>Teaching topics: Interactions between neutral atoms, The forces that make a solid out of atoms, Metallic bonding.</p>






SSS Catalog

		KIT NAME	CAT No.		
	51	<i>Human Sensory Organs – poster</i>	3065-08		<p>Multiple use. Includes layout and a poster that describe the anatomy of the external, middle and inner ear. Activates aimed to demonstrate the hearing and balancing function of the ear. Interpretation of sound and posture in the brain is explained as well. A device to demonstrate eardrum rupture is included.</p>
		<i>Human Inner Ear – model and poster</i>			
	52	<i>Crystallization of Alum</i>	3345-00		<p>Disposable kit: A hot saturated solution of alum is allowed to cool and beautiful crystals are formed, but on the tile the crystals are especially large. As a comparison, the crystallization of NaCl is carried out in petri dishes. Teaching topics: saturated solution, growing crystals under different solutions.</p>
	53	<i>The Hardness of Metals</i>	3347-12		<p>Multiple use. In this kit, the relative hardness of aluminum, copper, iron and brass, are determined. The results are found to be in close agreement with the accepted values in the literature and with the Mohs scale.</p>
	54	<i>Human Body Posters:</i>	5677-66		<p>Multiple use. Includes 7 posters.</p> <p>Teaching topics: <u>Our body organs</u> in general, the <u>digestive system</u>, the human <u>respiratory system</u>, the human <u>circulatory system</u>, the human <u>skeleton</u> and the relation between <u>skeleton and movement</u>, the human <u>teeth</u> and the relation between <u>teeth and feeding</u> (the adaptation of animals' teeth to their feeding habits).</p>
		<i>Skeleton, skeleton movement, Digestive system, blood system</i>			
	55	<i>Separation of Metals for Recycling</i>	3709-00		<p>Multiple use. Includes a transparent device with a mixture of iron and brass powders and a ceramic magnet. Using the magnet, the iron powder is separated and stored in a special location in the device.</p>






SSS Catalog

		KIT NAME	CAT No.	
	56	<i>Identification of CO₂ in Respiration</i> <i>Including respiratory system kit and poster</i>	3533-00	<p>Disposable kit. Includes a gas generator, materials and chemicals for 6 experiments, indicators, containers and straw. CO₂ gas from the lungs, and CO₂ that is produced using the gas generator, change the color of the indicator solution.</p> <p>Teaching topics: Presence of CO₂ gas in cellular respiration, Preparation and properties of CO₂.</p>
	57	<i>How Can we tell one gas from another</i>	3352-12	<p>Permanent apparatus with disposable materials. By means of a simple gas generator, oxygen and carbon dioxide are prepared without heating, and collected over water by means of an easy-to-use, safe set-up. The combustion of a splint and of steel wool in oxygen are tested. Carbon dioxide is examined for its lack of support of combustion, its acidity and high density (relative to air).</p>
	58	<i>Prism</i>	3713-02	<p>Multiple use. A multi-purpose piece of apparatus.</p> <p>Teachings topics: The diffraction of light, Spectrum, The rainbow.</p>
	59	<i>Heating Water with a Concave Mirror</i>	4333-04	<p>Multiple use: The sun's rays heat water, when focused by a concave mirror on a test tube with water. The rise in temperature is measured using a thermometer.</p> <p>Teaching topics: Solar energy, Clean fuel, Pollution, Energy conversion.</p>
	60	<i>The Cave of Dogs</i>	3016-12	<p>Multiple use. Includes transparent plastic box, transparent steps, gas generator and chemicals, candles (will last for many experiments), bottle for CO₂ gas, matches and wooden splint.</p> <p>Teaching topics: Fire extinguishing, Density of gases, Mixing of gases, Molecular motion, Properties of CO₂ gas.</p>






SSS Catalog

		KIT NAME	CAT No.	
	61	<i>Cigarette Smoke - What Do We Inhale?</i>	4000-08	<p>Multiple use. Includes a device with a transparent vacuum pump for the simulation of cigarette smoking, a filter for tar capture, a solvent and a device for tar extraction and examination.</p> <p>Teaching topics: Health hazards in smoking.</p>
	62	<i>Chromatography of Dyes</i>	1201-00	<p>Disposable kit. Includes a thin layer chromatography strip, a container for developing, dye solutions chemicals and TLC plates for many experiments.</p> <p>Teaching topics: Chromatography – explanation, history and applications. Separation of mixtures. Attractive forces between materials depend on their chemical nature. Terms: TLC, capillarity, stationary phase, mobile phase.</p>
	63	<i>Chromatography of amino acids</i>	1202-02	<p>Disposable kit. Includes a thin layer chromatography strip, a container for developing, dye solutions chemicals and TLC plates for many experiments.</p> <p>Teaching topics: Chromatography – explanation, history and applications. Compounds and mixtures. Proteins and amino acids. Attractive forces between materials depend on their chemical nature. Terms: TLC, capillarity, stationary phase, mobile phase.</p>
	64	<i>Osmotic Pressure</i>	3341-05	<p>Permanent apparatus with disposable materials.</p> <p>An osmosis device, fitted with a tube and a semi-permeable membrane, is filled with a concentrated salt solution. The device is dipped into water, resulting in a rise of the level in the tube, caused by water diffusing into the salt solution. The process is repeated with sugar. Leaving the experiment over- night emphasizes the strength of osmotic pressure.</p>
	65	<i>Purification of Water by Filtration</i>	3364-05	<p>Disposable kit: Water contaminated with an impurity (colour) is purified using an activated charcoal filter. The students observe that the filter has a saturation point. The kit contains ready to use materials and chemicals for 5 groups.</p>


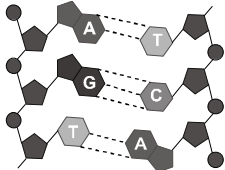
SSS Catalog

		KIT NAME	CAT No.	
	66	<i>Biochemistry - food components determination</i>	3367-00	<p>Disposable kit. Students study methods for testing and defining carbohydrates, proteins and fatty are experienced.</p> <p>Teaching topics: Proteins, Carbohydrates, fatty acids, basic food components.</p>
	67	<i>Principles of photosynthesis</i>	3369-00	<p>Disposable kit. An improved simple and safe technology is introduced. Students produce from a variety of oils real soap which they can use take home and test.</p> <p>Teaching topics: The sun as the most important energy source for all living matter on earth, light as a form of energy, spectrum, transformation of energy, synthesis of sugar, plant chlorophyll as an antenna.</p>
	68	<i>Artemia - from Cyst to a living organism</i>	3371-00	<p>Disposable kit. Artemia is a living organism, which requires oxygen and food for hatching and growth. Students hatch those shrimps from a powder that looks like sand. All of a sudden a living organism starts to move around. Students study the best conditions for hatching Artemia.</p> <p>Teaching topics: Microbiology, Marine sciences, Fishes, Shrimps</p>
	69	<i>The Effects of Drugs On Living Things</i>	3368-00	<p>Disposable kit. Using living microorganism students study the effect of various drugs on living microorganism. The students can see first hand the profound effect that simple materials such as nicotine can have.</p> <p>Teaching topics: Health, drugs, and drug abuse.</p>
	70	<i>Genes and Probability</i>	3375-00	<p>Multiple use: Includes all the necessary tools</p> <p>Teaching topics: Probability and Genetics, Mendel's laws</p>

SSS Catalog

		KIT NAME	CAT No.	
	71	<i>The biology and Chemistry by Soil</i>	3376-00	<p>Disposable Kit: Includes all the chemicals and tools in order to carry out analysis of chemical Composition of soil using samples of soil.</p> <p>Teaching topics: methods of chemical analysis, determine major chemical components in soil, Compare the results of different types of soils.</p>
	72	<i>Technology of soap production</i>	3377-00	<p>Disposable Kit: Includes all the chemicals and tools in order to safely produce real soap. For Five groups</p> <p>Teaching topics: Technology, fats and oils. Triglycerides and saponification process and Emulsions. Human health and hygiene</p>
	73	<i>Introduction to Biotechnology - Yeast Fermentation</i> <i>Bakers yeast, Saccharomyces cerevisiae</i>	444366	<p>Disposable Kit: Includes yeast and tools to investigate the kind of foods and conditions which are best for reproduction of the microorganism.</p> <p>Teaching topics: Biotechnology, anaerobic and aerobic processes, metabolism ATP and ADP, principles of baking.</p>
	74	<i>Technology of Preparation of Toothpaste & Marketing</i>	650040	<p>Disposable Kit: Includes all materials and ingredients for the production of real-tooth paste that students can later take home and use. All the ingredients are food grade.</p> <p>Teaching topics. Human health, teeth and gum disease. Technology of production, advertisement and marketing.</p>
	75	<i>Seed Staining kit</i>	3372-00	<p>Disposable Kit: Includes all the necessary materials and tools to carry out the experiment.</p> <p>Teaching topics. Observing the location of materials as sugar, starch and lipids in seeds.</p>

SSS Catalog

		KIT NAME	CAT No.		
	76	<i>Microscope operated on electricity or Batteries</i> + <i>Prepared microscope slides</i>	5683-66		<p>Multiple use. The kit includes a monocular light microscope with three objectives (x4, x10, x40), 10 prepared slide and microscope slides .</p> <p>Teaching Topics: The cell theory. The use of the microscope. Preparation of wet mount specimens. Comparison between animal and plant cells and tissues, protozoa and unicellular organisms. The prepared slide can supplement the teaching of various topics in biology.</p>
	77	<i>Extraction of D.N.A</i>	3755-66		<p>Multiple use. The kit includes the equipment and materials required for extracting DNA from legumes.</p> <p>Teaching topics: DNA – the genetic material. DNA building blocks and structure. The importance and applications of DNA extraction. The principles behind the separation techniques involved in the DNA extraction process.</p>