

# Comparing Science Curricula: Lebanon

## ESCAPE PROJECTS

Grade	Science Strands				
	Life Systems	Matter and Energy	Structures and Mechanisms	Earth and Space Systems	STEM Skills and Connections
6	Plants and their Habitats (Plant Cell; Reproduction in Plant, Role of Man); Animals and their Habitats (Animal Cell; Reproduction in Animals, Role of Man); Man and his Health (Body Structure; Nervous and Excretory Systems; Effects of Smoking, etc.); Man and the Environment (Interaction between Man and Environment; Pollution; Insecticides)	Matter and Energy (Chemical Reaction)	Simple Machines; Sustainable Development	Earth and the Universe (Earth Movements; Consequences; Rotation of Moon; Satellites)	Not covered
7	Nutrition (Feeding Behavior of Animals; Nutritional Needs of Plants; Respiration in Living Things; Relations between Environmental Conditions, Body Activities, and Nutrition; Nutrition and Respiration: Vital Requirement); Reproduction and Genetics (Animal Reproduction; Plant Reproduction); Inter-Relationships between Living Things (Study of an Ecosystem. Relations between Organisms in Ecosystems; Food Web in an Ecosystem; Man and Natural Equilibrium)	Matter (Solid and Liquid States; Gaseous State; Structure of Matter; Change of State and Expansion); Classification and Constituents of Matter (Matter: Classification and Separation Techniques; Solutions, Suspensions, and Colloids); Chemical Reactions and Energy (Chemical Reactions)	Electricity (Circuit Measurement of Current and Potential Difference; Grouping of Lamps; Magnets and Coils)	Not covered	Not covered
8	Reproduction and Genetics (Puberty and Adolescence; Reproductive Organs; Functioning of the Reproductive System; Fertilization, Development, and Birth; Birth Control; Sexually Transmitted Diseases: AIDS); Immunology (Immunological Specificity; Deficiency and Disorder of the Immune System; Preventive and Curative Methods)	Classification and Constituents of Matter (Pure Substances); Chemical Reactions and Energy (Electrical Nature of Matter; Chemical Reactions; Acids, Bases and Salts); Work, Power and Forms of Energy)	Mechanics (Motion and Speed; Force: Effects and Classification; Waves (Characteristics of Waves - Sound Waves; Electromagnetic Waves and Colors); Optics (Rectilinear Propagation of Light; Reflection of Light and Plane Mirror)	Earth and the Environment (Geology: Earth Science; Manifestations of Earth Activities; Structure and Dynamics of the Earth; Circulation of Matter on Earth; Geology and Human Responsibilities)	Not covered
9	Nutrition (Digestion; Respiration; Blood Circulation; Utilization of Nutrients and of Oxygen; Urinary Function; Nutrition and Health); Reproduction and Genetics (Chromosomes and Genetic Information; Mitosis; Meiosis and Gene Assortment; Mendel's Work; Production of Useful Substances for Food Industry and Medicine by Genetic Engineering); Nervous Coordination and Human Behavior (Nervous Coordination and Human Behavior; Response of Organisms to Environmental Stimuli; Tactile Sensation; Substance Abuse)	Classification and Constituents of Matter (The Atom); Chemical Reactions and Energy (Chemical Bonding; Electrochemistry); Organic Chemistry; Environment (Chemistry and Environment); Power and Energy; Heat (Quantity of Heat and Transfer of Heat; Thermal Equilibrium)	Mechanics (Equilibrium of a Body under the Action of Two Forces; Hooke's Law; Pressure in Liquids; Archimedes' Principle); Electricity (Alternating Current; Ohm's law and Grouping of Resistors); Optics (Refraction of Light; Lenses and Eye)	Not covered	Not covered

Adapted from: *Lebanese Ministry of Education. (2022). Educational Centre for Research Development. <https://www.crdp.org/curriculum/>-المواد-المطلوبة-مواضيع-باقى-المرحلة-الاعدادية-2022-2023-حصصاً للعام-الدراسي-2022-2023-حصصاً*