



Grade	Science Curriculum Overview: Afghanistan				
	Life Systems	Matter and Energy	Structures and Mechanisms	Earth and Space Systems	STEM Skills and Connections
Grade 6 (2020)	- Title of Textbook: <i>Science, Health, and Environment</i> ** Contents Include: Systems of the Human Body, Nature and Wildlife, Causes of Infectious Disease, Air/Water/Food Contaminants, Typhoid, Cholera, Tuberculosis, Influenza, How to keep healthy, Substance and drug use and its harmful physical and mental effects, Addiction control and prevention	- Types of Energy - Uses of Energy - Changes in Energy - Minerals - Metals - Rocks - Fossils	- Force - Types of Force - Friction - Motion - Speed - Types and Parts of Movement	n/a	n/a
Grade 7 (Biology – 2019; Chemistry – 2020; Physics - 2021)	- Ecology - Cells - Life Cycle - Cell Structure	- Characteristics and types of substances - Parts of substances - Chemical changes and reactions - Important elements of life	- Measurement - Force - Work - Energy - Power - Pressure - Characteristics of Light, Reflection and Refraction of Light, Mirrors	n/a	n/a
Grade 8 (Biology – 2019; Chemistry – 2020; Physics - 2021)	- Anatomy and functions of viruses, bacteria, algae, fungi, life stages and classification of plants, protists, mosses and ferns, plants reproduction, ecology, ecosystems, levels of ecosystems, animal reproduction, life stages and classification of animals, vertebrates, invertebrates, biodiversity	- Atom, electron orbitals, periodic table of elements, chemical reactions, acids, bases, oxides, chemical fertilizers, salts	- Temperature - Relationship between work and temperature, magnetism, electricity, power and vectors, machines, how machines function, gravity	n/a	n/a
Grade 9 (Biology – 2019; Chemistry – 2020; Physics - 2021)	- Systems of the Human Body - Human Health	- Organic chemistry: hydrocarbons, chain reactions, chemical reactions	- Movement, vibration, acoustics/sounds, electricity flow, measurement, potential energy, resistance, electromagnetism	n/a	n/a

Note: Dates are reflective of when student textbooks have been published. All teacher handbooks have been published between 2012 to 2019, and student textbooks have been published between 2019 to 2021, before August 2021 and the current Taliban regime.

Reference: Afghanistan Ministry of Education. (2023). Retrieved from <https://moe.gov.af/index.php/dr/کتب-نصاب-تعلیمی> and <https://moe.gov.af/dr/کتب-رهنمای-معلم>