

K-8 Science: Major Topics of Study

The value of a curriculum map:	Kindergarten	Grade 1	Grade 2	Grade 3
<p>The following curriculum map provides an overview of major topic heads in the CRSD K-8 History and Geography sequence, allowing a better understanding of how topics build from one grade to another.</p> <p>Grade-by-grade sequencing of topics is important because it gives teachers (and parents) assurance that students will come prepared with a shared body of knowledge and skills, and because students learn more effectively when instruction follows the same basic psychological principle that we learn new knowledge by building on what we already know.</p>	<ol style="list-style-type: none"> 1. Plants and Plant Growth 2. Animals and Their Needs 3. Human Body (Five Senses) 4. Introduction to Magnetism 5. Seasons and Weather 6. Taking Care of the Earth 7. Science Biographies 	<ol style="list-style-type: none"> 1. Living Things and Their Environment 2. Human Body (Body Systems) 3. Matter 4. Properties of Matter: Measurement 5. Introduction to Electricity 6. Astronomy 7. The Earth 8. Science Biographies 	<ol style="list-style-type: none"> 1. Cycles in Nature (Seasonal Cycles; Life Cycles; Water Cycle) 2. Insects 3. Human Body (Cells; Digestive and Excretory Systems) 4. Magnetism 5. Simple Machines 6. Science Biographies 	<ol style="list-style-type: none"> 1. Intro to Classification of Animals 2. Human Body (Muscular, Skeletal, and Nervous Systems; Vision & Hearing) 3. Light and Optics 4. Sound 5. Ecology 6. Astronomy 7. Science Biographies

Grade 4	Grade 5	Grade 6	Grade 7	Grade 8
<ol style="list-style-type: none"> 1. Human Body (Circulatory and Respiratory Systems) 2. Chemistry (Atoms; Matter; Elements; Solutions) 3. Electricity 4. Geology: Earth and Its Changes 5. Meteorology 6. Science Biographies 	<ol style="list-style-type: none"> 1. Classifying Living Things 2. Cells: Structures and Processes 3. Plant Structures and Processes 4. Life Cycles and Reproduction 5. Human Body (Endocrine and Reproductive Systems) 6. Chemistry: Matter and Change 7. Science Biographies 	<ol style="list-style-type: none"> 1. Plate Tectonics 2. Oceans 3. Astronomy: Gravity, Stars, and Galaxies 4. Energy, Heat, and Energy Transfer 5. Human Body (Lymphatic and Immune Systems) 6. Science Biographies 	<ol style="list-style-type: none"> 1. Atomic Structure 2. Chemical Bonds and Reactions 3. Cell Division and Genetics 4. History of the Earth and Life Forms 5. Evolutions 6. Science Biographies 	<ol style="list-style-type: none"> 1. Physics 2. Electricity and Magnetism 3. Electromagnetic Radiation & Light 4. Sound Waves 5. Chemistry of Food and Respiration 6. Science Biographies

