



Wellspring Learning Community

Middle School Grades 6-10

Sciences

Grade level	List of Units/Content	Resources Used	Assessment types
Grade 6	1. What do Scientists do? Investigating Science 2. What changes? (Physical Sciences) 3. How do living things work? (The organization of the human body) 4. What makes change happen? (Physical sciences) 5. How can we study the living World? (Our environment)	Science MYP by Concept 1 / Units (1-2-3-4-5) Scientific Horizon Science 6 / Chapters (1-2-3-5-8-10-11-13-14-16-17-18)	There are Four assessment Criteria to enable teachers to achieve the aims and objectives of teaching Sciences: Criterion A: Knowledge and understanding Criterion B: Designing and inquiring Criterion C: processing and evaluating Criterion D: Reflecting on the impacts of Sciences End of semester exams can be assessed via all four Criteria (A-D) End of Unit Exams can be assessed using criterion A Lab investigations are assessed using Criteria B and C Essays, presentations, brochures and posters are assessed via criterion D

Biology for Grades 7-10

Grade level	List of Units/Content	Resources Used	Assessment types
Grade 7 Biology Course	<ol style="list-style-type: none"> 1. Digestion (Feeding behaviors of Animals- Food Glorious Food) 2. Respiration of living beings 3. Who we are- Reproduction and Genetics- Hodder/Lebanese) 4. How do we respond to our world? (Hodder) 	<p><u>Units 1 and 2</u></p> <p>-Exploring Science: How Science Works - Life Science Lebanese Book (chapter 1 and 3)</p> <p><u>Units 3 and 4</u></p> <p>MYP by Concept Year 2 Book (Chapters 3 and 6)</p> <p>Life Science Lebanese Book (Chapters 5,6)</p>	<p>There are Four assessment Criteria to enable teachers to achieve the aims and objectives of teaching Sciences:</p> <p>Criterion A: Knowledge and understanding</p> <p>Criterion B: Designing and inquiring</p> <p>Criterion C: processing and evaluating</p> <p>Criterion D: Reflecting on the impacts of Sciences</p> <p>End of semester exams can be assessed via all four Criteria (A-D)</p> <p>End of Unit Exams can be assessed using criterion A</p> <p>Lab investigations are assessed using Criteria B and C</p>
Grade 8 Biology Course	<ol style="list-style-type: none"> 1. Cells and Cellular Transport 2. How do humans impact the natural world? 3. What should I eat? 4. How do our bodies work? 	<p>Biology for You book</p> <p>Exploring Science: How Science Works book</p> <p>Life Science Lebanese Book</p>	<p>Essays, presentations, brochures and posters are assessed via criterion D</p>
Grade 9 Biology Course	<ol style="list-style-type: none"> 1. Nutrition and Metabolism 2. Breathing and Respiration 3. The Blood and Circulation 4. Reproduction and Genetics 	<p>Life Science Lebanese Book</p> <p>Biology for you book</p> <p>Hodder Education MYP Book</p>	
Grade 10 Biology Course	<ol style="list-style-type: none"> 1. Feeding in Plant & Transport 2. Homeostasis 3. Control and Coordination 4. Ecology 5. Evolution 	<p>Life Science Lebanese Book</p> <p>Biology for you book</p> <p>Hodder Education MYP Book</p>	

Physics for Grades 7-10

Grade level	List of Units/Content	Resources Used	Assessment types
Grade 7 Physics Course	<ol style="list-style-type: none"> 1. Where are we now and where might we be going? 2. What does a wave tell us? 3. Heat transfer 	<p>MYP by Concept 2</p> <p>Exploring Science</p>	<p>There are Four assessment Criteria to enable teachers to achieve the aims and objectives of teaching Sciences:</p> <p>Criterion A: Knowledge and understanding</p> <p>Criterion B: Designing and inquiring</p> <p>Criterion C: processing and evaluating</p> <p>Criterion D: Reflecting on the impacts of Sciences</p>
Grade 8 Physics Course	<ol style="list-style-type: none"> 1. How do we make it work? 2. How do we put electricity and magnetism to work? 3. How do we connect? 	<p>Lebanese Curriculum: Physics</p> <p>MYP by concept 3</p> <p>New Physics for you (Johnson)</p>	<p>End of semester exams can be assessed via all four Criteria (A-D)</p>
Grade 9 Physics Course	<ol style="list-style-type: none"> 1. Mechanics (Hodder) 2. Electricity 3. Optics 4. Astrophysics 	<p>Lebanese Curriculum: Physics Grade 9</p> <p>New Physics for you</p> <p>Hodder Education</p> <p>MYP by concept 4/5</p>	<p>End of Unit Exams can be assessed using criterion A</p> <p>Lab investigations are assessed using Criteria B and C</p> <p>Essays, presentations, brochures and posters are assessed via criterion D</p>
Grade 10 Physics Course	<ol style="list-style-type: none"> 1. Mechanics 2. Waves 3. Electromagnetism 4. Nuclear physics 	<p>Physics Lebanese Book Grade 10</p> <p>Physics for you book</p> <p>Hodder Education</p> <p>MYP by concept 4/5</p>	

Chemistry for Grades 7-10

Grade level	List of Units/Content	Resources Used	Assessment types
Grade 7 Chemistry Course	<ol style="list-style-type: none"> 1. How do we map matter? 2. Solutions 3. The Periodic Table of Elements 4. Chemical reactions 	<p>-Science MYP by Concept 2-Chapter 2/ Scientific Horizons Chemistry (Chapter 3)</p> <p>-Scientific Horizons Chemistry (Chapters 4, 5, 6, 7)</p> <p>-Scientific Horizons Chemistry (Chapters 8, 9)</p> <p>Scientific Horizons Chemistry (Chapter 10)</p>	<p>There are Four assessment Criteria to enable teachers to achieve the aims and objectives of teaching Sciences:</p> <p>Criterion A: Knowledge and understanding</p> <p>Criterion B: Designing and inquiring</p> <p>Criterion C: processing and evaluating</p> <p>Criterion D: Reflecting on the impacts of Sciences</p> <p>End of semester exams can be assessed via all four Criteria (A-D)</p>
Grade 8 Chemistry Course	<ol style="list-style-type: none"> 1. Foundations of Chemistry 2. Atoms, molecules, ions and the periodic table 3. Chemical reactions 4. Acids and Bases 	<p>Scientific Horizons Chemistry 8</p> <p>Chapters (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11)</p>	<p>End of Unit Exams can be assessed using criterion A</p> <p>Lab investigations are assessed using Criteria B and C</p>
Grade 9 Chemistry Course	<ol style="list-style-type: none"> 1. The atom 2. Chemical bonding 3. Chemical reactions and Electrochemistry 4. Organic Chemistry 5. Chemistry and the environment 	<p>The Lebanese Chemistry book, Chemistry for you and Chemistry MYP by concept 4 & 5 for all units</p>	<p>Essays, presentations, brochures and posters are assessed via criterion D</p>
Grade 10 Chemistry Course	<ol style="list-style-type: none"> 1. What determines chemical change? 2. Stoichiometry 3. Water 4. Acids and Bases 5. How can our energy resources be accessed fairly? 6. How can we shift the balance of a reaction? 7. The atmosphere 	<p>The Lebanese Chemistry book and Chemistry MYP by concept 4 & 5 for all units</p> <p>Chemistry for you</p>	