

## Content Outline for SISC

Level	Topics
<b>Level 1</b> <b>Class ( 1 &amp; 2)</b>	Plants and animals, Human Body, Weathers, Force, Natural and Artificial Resources, States of Matter, Environments, Magnetism, Solar Systems, Nutrition, Electricity, Digestive System, Life Cycles Inventions.
<b>Level 2</b> <b>Class ( 3 &amp; 4)</b>	Ecosystem, Electricity, Water Cycle, Energy, Animal classification, Matter.
<b>Level 3</b> <b>Class ( 5 &amp; 6)</b>	Photosynthesis, Sense organs, Global Warming, Microorganisms, Classification of living things.
<b>Level 4</b> <b>Class ( 7 &amp; 8)</b>	Work and Energy, speeding up, Electricity and Energy, Water, Structure of an atom, Changes and processes around us, Reproduction in plants, where does our food come from, Human digestive System.
<b>Level 5</b> <b>Class ( O Level)</b>	<p><b><u>Chemistry O Level 1 &amp; 2</u></b></p> <p>Particulate Nature of Matter, Diffusion, Experimental Techniques, Atomic Structure/ Chemical Bonding, The Periodic Table, Metals and Non-metals, Acids, Bases and Salts, Redox Reactions, Electricity and Chemistry, Energy Changes/ Speed of Reactions</p> <p><b><u>Biology O Level 1&amp; 2</u></b></p> <p>Cell Structure and Function, Movement into and out of cells Biological Molecules, Enzymes, Human Nutrition, Human Gas Exchange, Respiration, Transport in flowering plants, Effects of Human on ecosystem</p> <p><b><u>Physics (O level 1)</u></b></p> <p>Physical quantities, units and measurements, Kinematics, Dynamics, Mass, weight and density Turning effect of forces, Deformation, Pressure</p> <p><b><u>Physics (O level 2)</u></b></p> <p>Energy sources and Transfer of energy, Transfer of thermal energy, Temperature, Thermal Properties of Matter, Kinetic model of Matter, General wave properties, Light, Electromagnetic Spectrum, Sound Magnetism and Electromagnetism, Static Electricity Current Electricity, D.C Circuits, Practical Electricity</p>

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Level	Topics
<p><b>Level 6</b> <b>Class (Matric)</b></p>	<p><b><u>9<sup>th</sup> Chemistry</u></b>  Fundamentals of chemistry, Structure of atoms, Periodic table and periodicity of properties, Structure of molecules, Physical states of matter, Solutions,  Electrochemistry, Chemical reactivity</p> <p><b><u>9<sup>th</sup> Biology</u></b>  Introduction to biology, Solving biological problems, Biodiversity, Cell &amp; tissues, Cell cycle, Enzymes, Bioenergetics, Nutrition, Transport</p> <p><b><u>9<sup>th</sup> Physics</u></b>  Physical quantities and Measurement, Kinematics, Dynamics, Gravitation  Work and energy, Properties of matter, Thermal properties of matter, Transfer of heat</p> <p><b><u>9<sup>th</sup> Computer</u></b>  Problem solving., Binary system., Networks, Data and privacy, Designing website.</p> <p><b><u>10<sup>th</sup> Physics</u></b>  Simple harmonic motion, Sound, Geometrical optics, Electrostatics  Current electricity, Electromagnetism, Basic electronics, information and communication technology, Atomic and nuclear physics</p> <p><b><u>10<sup>th</sup> Biology</u></b>  Gaseous exchange, Homeostasis, Coordination and control, Supporter and moment, Continuity in life, Inheritance, Man &amp; his environment  Biotechnology, Pharmacology</p> <p><b><u>10<sup>th</sup> Chemistry</u></b>  Chemical equilibrium, Acid bases and salts, Organic chemistry, Hydrocarbons  Bio chemistry, The atmosphere, Water, Chemical industry</p> <p><b><u>10<sup>th</sup> Computer</u></b>  Introduction to programming, User interaction., Conditional logic.  Data and repetition., Functions.</p>

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<b>Level</b>	<b>Topics</b>
<b>Level 7 Class (Intermediate)</b>	<p><b><u>1<sup>st</sup> Year Physics</u></b></p> <p>Measurements, Vectors and Equilibrium Motion and Force, Work and Energy, Circular Motion</p> <p><b><u>1<sup>st</sup> Year Chemistry</u></b></p> <p>Basic Concepts, Experimental Techniques in Chemistry, Gases Liquids and Solids Atomic Structure, Chemical Bonding, Thermo Chemistry, Solutions</p> <p><b><u>1<sup>st</sup> Year Biology</u></b></p> <p>Introduction to Biology, Biological, Enzymes, The Cell Variety of Life, Kingdom Prokaryote, Kingdom Protista Kingdom Fungi</p> <p><b><u>1<sup>st</sup> Year Computer</u></b></p> <p>Basics of Information Technology, Information Networks Data Communications, Applications and Uses of Computers. Computer Architecture. Security, Copyright and The Law. Windows Operating System, Word Processing, Spread Sheet. Fundamentals of The Internet.</p>