

# Syllabus for ALOHA GAT MAIN- 2018

## Class 6th

### Subject : Science

S.No.	Unit	Topics to be covered
01	Components of food	<ul style="list-style-type: none"><li>• Source of proteins, vitamins, carbohydrates, fats and minerals.</li><li>• Functions of various components of food.</li></ul>
02	The Livings organisms & their surroundings	<ul style="list-style-type: none"><li>• Habitat and Adaptation,</li><li>• Terrestrial Habitats: Deserts, Mountain regions, Grasslands.</li><li>• Aquatic Habitats: Oceans, Ponds and Lakes.</li><li>• Characteristics of living beings.</li></ul>
03	Light shadows & reflection	<ul style="list-style-type: none"><li>• Concept of transparent, opaque and translucent objects.</li><li>• Concept of light and shadow.</li><li>• Mirrors and reflections,</li></ul>
04	Separation of Substances	<ul style="list-style-type: none"><li>• Methods of Separating mixtures- Handpicking , Threshing, Winnowing, Sieving , Sedimentation, Decantation, Filtration Evaporation with their explanation by local examples.</li><li>• Water as universal solvent.</li><li>• Saturated and unsaturated solutions with activity.</li><li>• Solute, solvent and solution.</li></ul>
05	Body Movements	<ul style="list-style-type: none"><li>• Movements of the body parts</li><li>• Joints of human body.</li><li>• Fixed joints and moveable joints</li><li>• Ball and socket joints</li><li>• Pivotal joints and hinge joints.</li><li>• Movement of the earthworm and the fish</li></ul>

### Subject : Mathematics

S. No.	Unit	Topics to be covered
01	Playing with Numbers	<ul style="list-style-type: none"><li>• Formation of divisibility tests by examples of various numbers and their use.</li><li>• Prime and Composite numbers by activities.</li><li>• Factors and Multiples,</li><li>• Divisor and Factor.</li><li>• Prime factorization, L.C.M and H.C.F.</li><li>• Use of HCF and LCM in particular situations</li></ul>
02	Integers	<ul style="list-style-type: none"><li>• Understanding of integers using concept of temperature, buying and selling etc and their need.</li><li>• Representation of Integers on the number line.</li><li>• Addition and Subtraction of Integers and solve problems involving addition and subtraction of integers</li></ul>
03	Fractions	<ul style="list-style-type: none"><li>• Concept of fractions and their types.</li><li>• Representation of fractions on number line and comparison of</li></ul>

		<p>fractions.</p> <ul style="list-style-type: none"> <li>Addition and subtraction of fractions and use of fractional numbers in money, length, temperature etc.</li> </ul>
04	<b>Ratio &amp; proportions</b>	<ul style="list-style-type: none"> <li>Understanding of Ratio, Ratio as a comparison of two numbers.</li> <li>Proportion and concept of unitary method.</li> <li>Compare quantity using ratio in different situations.</li> </ul>
05	<b>Mensuration</b>	<ul style="list-style-type: none"> <li>Understanding of regions and boundaries of different shapes.</li> <li>Concept of perimeter and area.</li> <li>Construction of formulas for the area of square and rectangle with application in the field.</li> <li>Calculate the area and perimeter of floor of classroom, Surface area of book, Area of Veranda, play field etc</li> </ul>

## **Subject : Social Studies**

<b>S. No.</b>	<b>Unit</b>	<b>Topics to be covered</b>
01	<b>From Gathering To Growing Food</b>	<ul style="list-style-type: none"> <li>The diversity of early domestication</li> <li>The material culture generated by people in relatively stable settlements.</li> </ul>
02	<b>Traders, Kings And Pilgrims</b>	<ul style="list-style-type: none"> <li>Different contents of contacts between distant lands</li> <li>The motivating forces (including consequents)</li> <li>Implication of journeys within the sub-content</li> <li>Use of textual &amp; visual material for reconstructing the histories of such contacts.</li> </ul>
03	<b>What Is Government</b>	<ul style="list-style-type: none"> <li>Meaning of Govt.</li> <li>Importance of Govt</li> <li>Functions of Govt.</li> <li>Levels of Govt.</li> <li>Difference between Govt. &amp; Private Institutions</li> <li>Income of Govt.</li> <li>Democracy a form of Govt.</li> <li>Democracy in our lives</li> <li>Votes for Women</li> </ul>
04	<b>Life &amp; Work In Cities / Urban Live Hoods</b>	<ul style="list-style-type: none"> <li>In flow of people in cities</li> <li>Changes in a city</li> <li>Reasons for migration to cities</li> <li>Basic requirements for a job or business</li> <li>Different occupations of a city</li> <li>Comparison between old means of transport and communication with the present one</li> <li>Importance of marketing; Role of Govt. in Education.</li> </ul>
05	<b>How Globes And Maps Help Us</b>	<ul style="list-style-type: none"> <li>Know the meaning of: Globe, Plan, Cardinal Points, Compass, Map.</li> <li>Different types of Maps</li> <li>Shortcomings of a Globe</li> <li>Difference between a Globe &amp; a Map, between Plan &amp; Map, between Plan &amp; Sketch</li> <li>Locating different Latitudes on a Map.</li> </ul>

<b>06</b>	<b>India ; Climate , Vegetation &amp; Wildlife</b>	<ul style="list-style-type: none"><li>• Major seasons recognized in India</li><li>• Natural vegetation, Its five tropical rain forests, tropical deciduous forests, thorny bushes</li><li>• Mountain vegetation</li><li>• Mangrove forests</li><li>• Wild life.</li></ul>
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