

GOVERNMENT OF JAMMU AND KASHMIR

DISTRICT INSTITUTE OF EDUCATION AND TRAININGS SOPORE (BARAMULLA)

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SYLLABUS AND COURSES OF STUDY

FOR

Classes 6th and 7th

(Session 2018-19)

PREFACE

Based on the findings of NAS 2017 and the suggestions received from the field teachers and other stakeholders, District Institute of Education & Trainings, Sopore has conducted a series of workshops to review and revise the existing unitization of syllabi for classes 6th&7th. The review & revision was a necessity because of the fact that JKBOSE has introduced revised textbooks, especially in mathematics and Urdu from the current academic session. Besides, the Academic Planner recently circulated by the worthy DSEK has been kept in consideration while finalizing the unitization of the syllabi. The workshops were attended by the eminent subject experts namely Abdul Rashid Bhat , Shri Harpal Singh Raina, Mr.Tariq Ahmad Mir,Mr.Irshad Ahmad Kirmani, Mr. Gulnawaz Mohmmad Wani,Mr.Aashiq Hussain Puktha,Mohmad Ibbrahim Bhat, Mr.Shabir Ahmad Rather,Mr.Rayeys Ahamd Reshi,Mr.Tariq Ahmad Dar and Mr.Sajad Akbar Rather lecturers, Masters and teachers of the district .

The objectives highlighted are aimed at facilitating the teachers to plan their classroom activities in a meaningful and productive manner. The teachers while planning for the classroom transactions must keep in mind the Learning Outcomes as the new trend of assessment of students under CCE. The assessment (internal or external) is done mainly on the basis of Learning Outcomes. The National Achievement Survey -2017 was also based on Learning Outcomes, the result of which has come in the form of District Report Cards. This is also to bring in the element of accountability and facilitation for effective monitoring.

The textbook development as per National Curriculum Framework-2005 is a continuous process at J & K Board of School Education. As such this document also requires revision and updating from time to time. Therefore, DIET welcomes any constructive suggestion/s from all the stakeholders to make this exercise more effective in future. In case there is any omission, typing/printing mistakes, or any other error which might have crept in inadvertently, the same is requested to be brought to the notice of the undersigned.

I am thankful to faculty members of SIE, DIETs and the Field subject experts especially the ones who were practically involved in getting this document set and wish all the best to my teachers and students in all endeavors of teaching-learning.

Incharge

CMDE

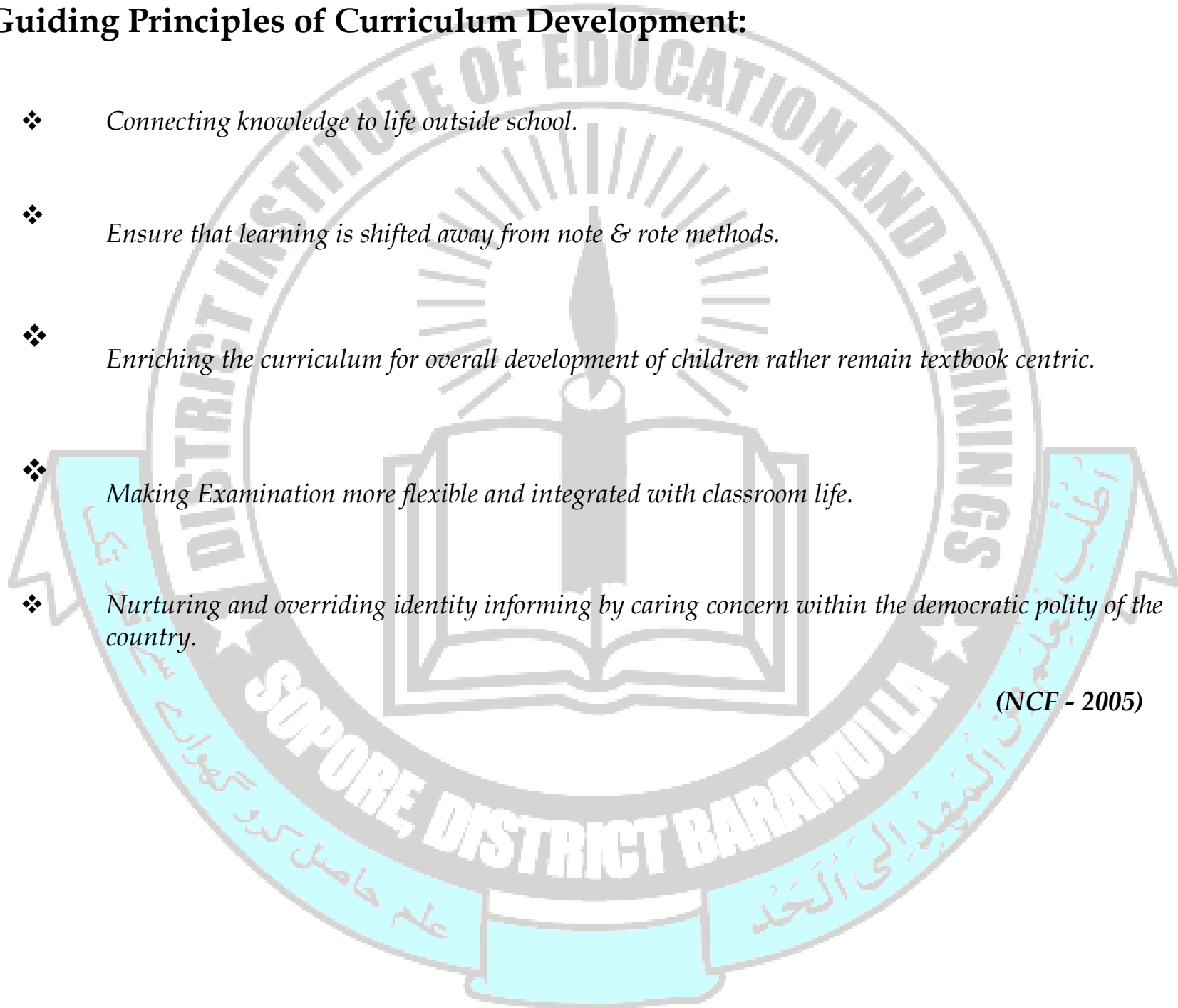
Principal

DIET, Sopore.

Guiding Principles of Curriculum Development:

- ❖ *Connecting knowledge to life outside school.*
- ❖ *Ensure that learning is shifted away from note & rote methods.*
- ❖ *Enriching the curriculum for overall development of children rather remain textbook centric.*
- ❖ *Making Examination more flexible and integrated with classroom life.*
- ❖ *Nurturing and overriding identity informing by caring concern within the democratic polity of the country.*

(NCF - 2005)



Suggestive Academic Calendar

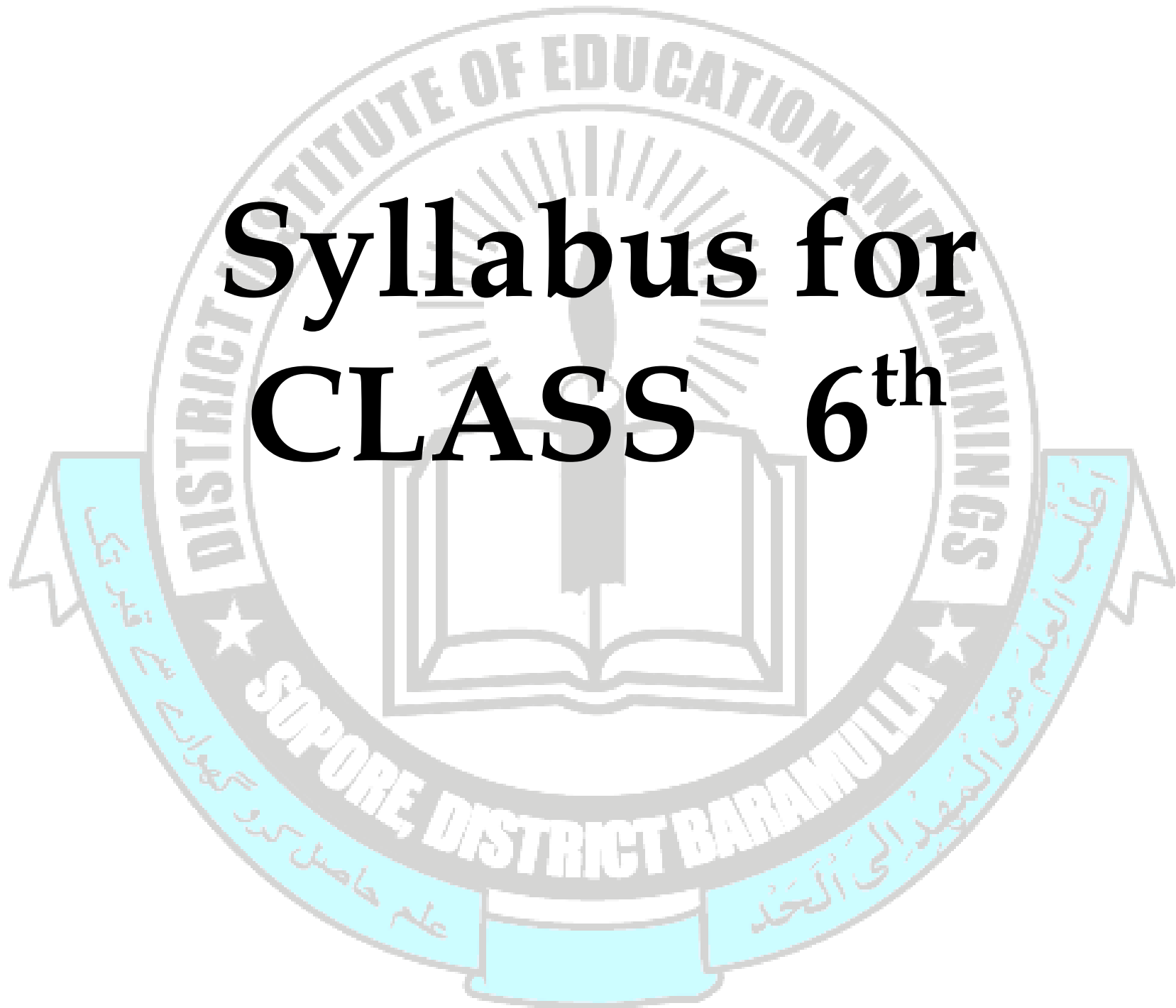
Commencement of academic activities = 1stNov.2018 of classes 1st - 5th

<i>Unit I Assessment</i>	<i>25th Nov.</i>
<i>Unit II Assessment</i>	<i>20th April</i>
<i>Term 1st Assessment</i>	<i>2nd Week of June 2019</i>
<i>U III Assessment</i>	<i>1st week of August</i>
<i>Term 2nd Assessment</i>	<i>2nd Week of October 2019</i>
<i>Deceleration of Result</i>	<i>25th of October 2019</i>
<i>New Classification</i>	<i>1st week of Nov. 2019</i>

Besides the schools must celebrate the following activities in addition to the activities prepared by the schools in the respective school-wise activity calendar:

<i>S.No</i>	<i>Name of the activity</i>	<i>Date</i>
<i>01</i>	<i>Observance of the World Health Day</i>	<i>7th April</i>
<i>02</i>	<i>World Mathematics Day</i>	<i>6th May</i>
<i>03</i>	<i>Red Cross Day</i>	<i>18th May</i>
<i>04</i>	<i>Programme on BetiBachaubetiPadhau</i>	<i>1st June</i>
<i>05</i>	<i>Teachers Day</i>	<i>5th September</i>
<i>06</i>	<i>Children Day</i>	<i>14th November</i>
<i>07</i>	<i>Organization / celebration of sports week</i>	<i>The schools will incorporate in the school activity calendar after due consultation with sports Department</i>
<i>08</i>	<i>Inter School Cross country Race</i>	

Syllabus for CLASS 6th



Diagonal Linkage for Class 6th

Content Load	Evaluation				
	Unit 1	Unit 2	Term 1	Unit 3	Term 2
Unit1=15%	10%	...	5%	...	...
Unit2=15%	...	10%	5%	...	...
Term1=20%	...	...	20%	...	...
Unit3=15%	...	...	...	10%	5%
Term2=35%	...	...	...	...	35%
Total=100%	10%	10%	30%	10%	40%

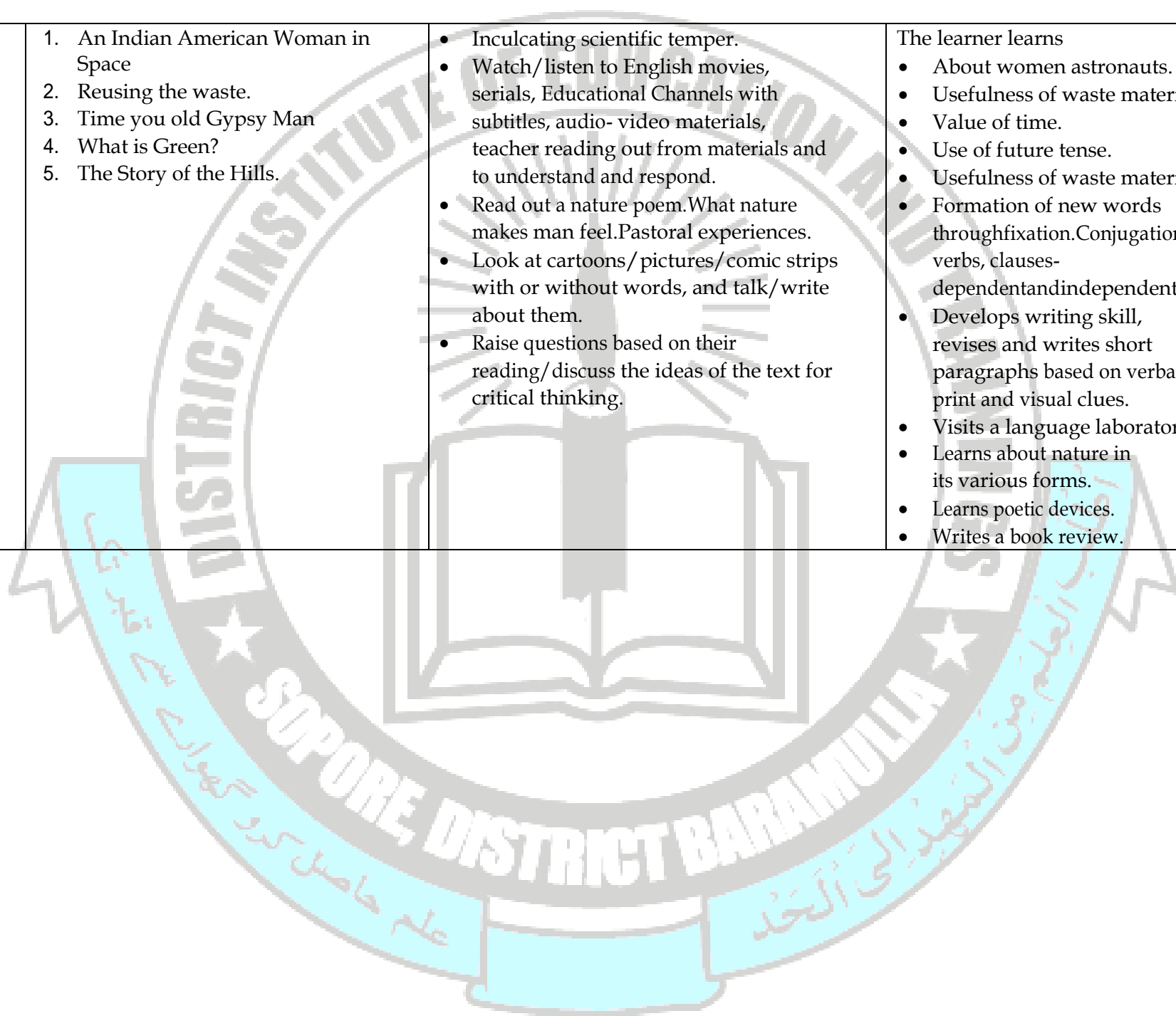
Class: 6th

Sub.: English

SYLLABUS TO BE COVERED	CONTENTS	Learning Outcomes	Suggested Pedagogical processes
U 1 15%	<ol style="list-style-type: none"> 1. A Different Kind of School 2. Beauty 3. A Tale of Two Birds 	<ul style="list-style-type: none"> • Participate in individual talk viz. introducing oneself and other persons; participate in role play/make a speech, reproduce speeches of great speakers. • Become familiar with poems/songs/prose in English through input rich environment, interaction, classroom activities, etc. • Concept of beauty/development of aesthetic value. • Sympathy and sharing of worries. • Environment moulds the character. • Read; discuss the ideas of the text for critical thinking. 	<p>The learner:</p> <ul style="list-style-type: none"> • Participates in activities in English like role play. • Reads a variety of texts in English/Braille and identifies main ideas, characters sequences of ideas and events and relates with his/her personal experiences. • Talks about beauty in its various forms. • Develops reading and listening skills. • Develops social relations.
U2 15%	<ol style="list-style-type: none"> 1. Who did Patrick's homework? 2. Where do all teachers go? 3. A House, A Home. 4. The friendly mongoose 	<ul style="list-style-type: none"> • Teaching stories about elves, fairies, etc. • Experimental learning. • Development of positive attitude. • Concept of animal behavior. • Development of life skills. • Locate sequence of ideas, events and identify the main idea of a story/poem through various types of comprehension questions. 	<p>The learner:</p> <ul style="list-style-type: none"> • Develops the art of creativity and imagination. • Recites and shares poems, songs, jokes, riddles, tongue, twisters, etc. • Writes coherently with focus on appropriate beginning, middle and end in English/Braille. • Use of some poetic devices. • Writes grammatically correct sentences for a variety of situations using noun, pronoun, verb, adverb, determiners, etc. • Human/animal behavior.

<p>T1 20%</p>	<ol style="list-style-type: none"> 1. Prophet Muhammad(PBUH) 2. Moosa Ali's Camel 3. Vocation 4. First Day at School 5. The Shepherd's Treasure 	<ul style="list-style-type: none"> • Prophet Muhammad (PBUH) Reformer/benefactor • Use dictionary as a reference book for finding multiple meanings of a word in a variety of contexts. • Teaching of participle • Camel habitat. Deserts • First Day at School experiences. • Development of listening. Listen to English News (TV, radio) as a resource to develop listening comprehension. • Concept of honesty. • Take dictation of words, phrases, simple sentences and short paragraphs. 	<p>The learner:</p> <ul style="list-style-type: none"> • Learns about moral values. • Uses meaningful sentences to describe/narrate factual/imaginary situations in speech and writing. • Learns about life in a desert. • Refers to a dictionary to check meaning and spelling and to suggested websites for information. • Uses synonyms, antonyms appropriately, deduces word meanings from clue/s in context while reading a variety of texts. • Responds to announcements and instructions made in class, school assembly, railway station and in other public places. • The victory of honesty and wisdom. • Short paragraphs as dictated by the teacher. • Use of present and past simple and continuous.
<p>U3 15%</p>	<ol style="list-style-type: none"> 1. The Kashmiri Shawl 2. What do we plant 3. Granny's Fabulous Kitchen. 	<ul style="list-style-type: none"> • Art and crafts of Kashmir. Learning of adjectives and prepositions. • Summarize orally the stories, poems and events that he/she has read or heard. • Importance of plantation. • Raise questions based on their reading. • Use ICT (Internet, Mobile, Websites, YouTube, Ted Talks, etc.) to browse for information for projects/ ppts, etc. • Traditional foods. 	<p>The learner:</p> <ul style="list-style-type: none"> • About heritage of Kashmiri Shawl. • Importance of plantation. • Use of adjectives, prepositions. • Use of present perfect and past perfect tenses. • Responds to oral messages, telephonic communication in English and communicates them in English or home language. • Food varieties.

<p>T2 35%</p>	<ol style="list-style-type: none"> 1. An Indian American Woman in Space 2. Reusing the waste. 3. Time you old Gypsy Man 4. What is Green? 5. The Story of the Hills. 	<ul style="list-style-type: none"> • Inculcating scientific temper. • Watch/listen to English movies, serials, Educational Channels with subtitles, audio- video materials, teacher reading out from materials and to understand and respond. • Read out a nature poem. What nature makes man feel. Pastoral experiences. • Look at cartoons/ pictures/ comic strips with or without words, and talk/write about them. • Raise questions based on their reading/discuss the ideas of the text for critical thinking. 	<p>The learner learns</p> <ul style="list-style-type: none"> • About women astronauts. • Usefulness of waste material. • Value of time. • Use of future tense. • Usefulness of waste materials. • Formation of new words through fixation. Conjugation of verbs, clauses- dependent and independent. • Develops writing skill, revises and writes short paragraphs based on verbal print and visual clues. • Visits a language laboratory. • Learns about nature in its various forms. • Learns poetic devices. • Writes a book review.
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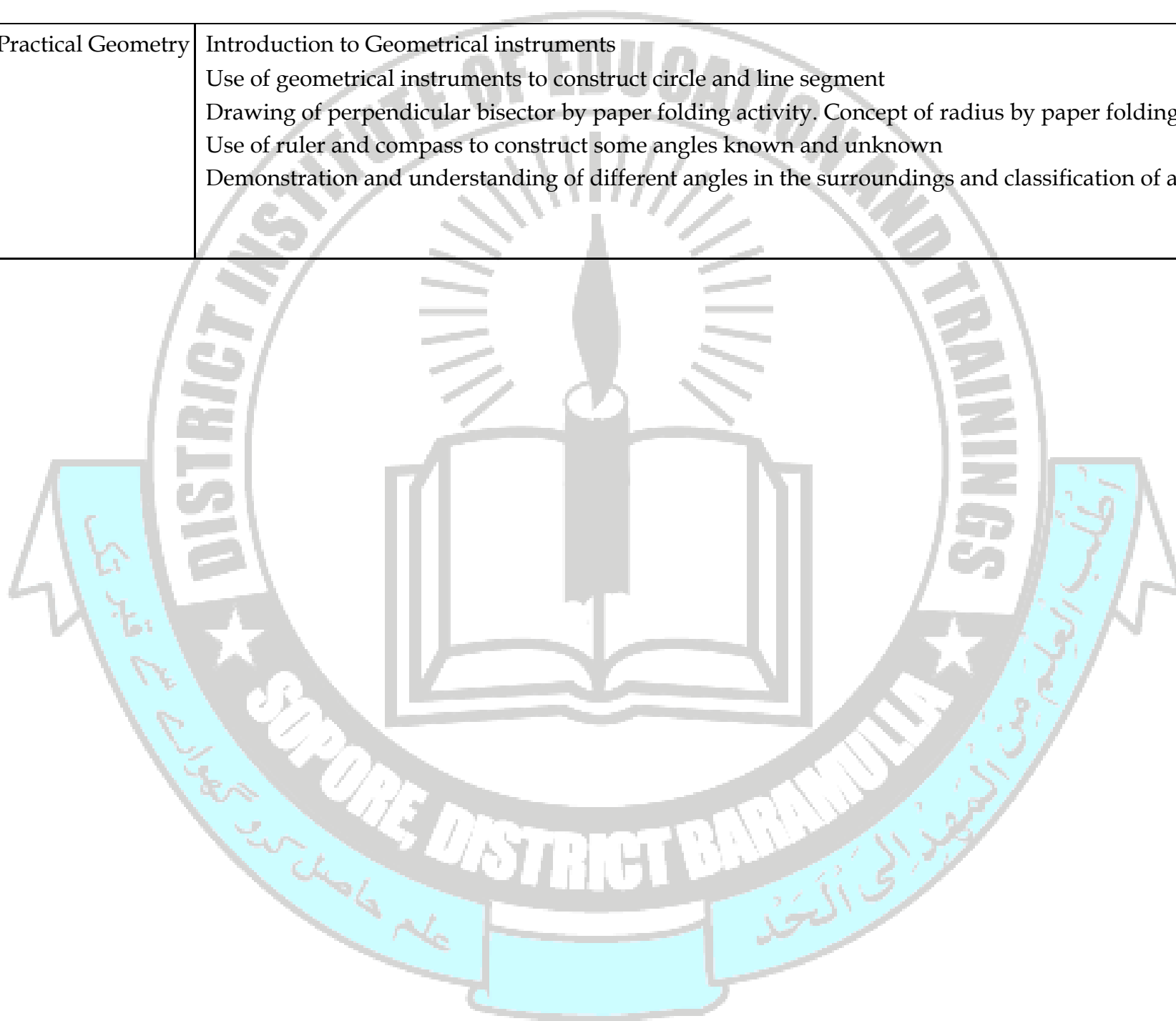
Class: 6th

Sub: Mathematics

Course	Contents	Learning Goals
Unit I	Knowing our numbers	To be able to recognize numbers, the smallest and the largest. To arrange the numbers into ascending and descending order To be able to understand international system of numeration. To be able to write down smallest and the largest digit numbers (up to six) To be able to write down Roman numerals following the rules as provided.
	Whole Numbers	To have the understanding of whole numbers and concept of predecessor and successor. (Addition and subtraction using number line concept) To have the understanding of division as repeated subtraction which also deals with the concept of division by zero (0) not applicable To have the understanding of Commutative, Associative and Distributive property and their uses in whole numbers. To be able to observe patterns to develop thinking and reasoning.
Unit II	Playing with Numbers	Formation of divisibility tests by examples of various numbers and their use. To have the understanding of Prime and Composite numbers by activities. To be able to carry concrete operations with TLM/SLM Understanding of factors and multiples, To have the concept of divisor and factor. Understanding of Prime factorization, L.C.M and H.C.F. Use of HCF and LCM in particular situations
	Basic Geometrical Ideas	Conceptual understanding of point, line, line segment and plane. Parallel lines and non-parallel lines and their application. Understanding of simple closed figures, sides, vertices and diagonals. To have the understanding of Interior and exterior parts of different figures.
Term I	Integers	To have the understanding of integers using concept of temperature, buying and selling etc and their need. Representation of Integers on the number line. Addition and Subtraction of Integers and solve problems involving addition and subtraction of integers.
	Understanding Elementary Shapes	Understanding of concepts; corners, faces, edges and shapes. Angles with their types To be able to measure the angles by protractor. Classification of triangles on the basis of angles and sides. To have the understanding of three dimensional shapes.

	Menstruation	<p>Understanding of regions and boundaries of different shapes.</p> <p>Concept of perimeter and area. (Geoboard and other models may help to understand the concept well).</p> <p>Construction of formulas for the area of square and rectangle with application in the field. (Geoboard and other models may help to understand the concept well)</p> <p>To calculate the area and perimeter of floor of classroom, Surface area of book, Area of Veranda, playfield, etc</p>
Unit III	Fractions	<p>To have the concept of fractions and their types.</p> <p>Representation of fractions on number line and comparison of fractions.</p> <p>Addition and subtraction of fractions and use of fractional numbers in money, length, temperature etc.</p>
	Decimals	<p>Understanding of decimals and types of decimal e.g. like and unlike decimals. Understanding fraction as decimal</p>
Term II	Data handling	<p>To be able to understand the concept of tally,</p> <p>To be able to differentiate between histograms and bar charts.</p> <p>Explore the construction of diagrams and graphs with various tools besides paper and pencil.</p> <p>Should be able to interpret the data of the pictograph.</p>
	Algebra	<p>Concept of variable through induction method.</p> <p>Use of variable and construction of expressions with variable</p> <p>Concept of equation and its solution</p>
	Ratio and proportions	<p>Understanding of Ratio, Ratio as a comparison of two numbers.</p> <p>Understanding of proportion and concept of unitary method. Compare quantity using ratio in different situations.</p>
	Symmetry	<p>Should be able to identify and draw different symmetric signs on road sign boards.</p> <p>To be able to draw triangles having exact different line of symmetry.</p> <p>To be able to understand line symmetry and mirror reflections.</p> <p>To be able to use a kaleidoscope to produce images having several lines of symmetry.</p>

	Practical Geometry	Introduction to Geometrical instruments Use of geometrical instruments to construct circle and line segment Drawing of perpendicular bisector by paper folding activity. Concept of radius by paper folding activity. Use of ruler and compass to construct some angles known and unknown Demonstration and understanding of different angles in the surroundings and classification of angles.
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Class: 6th

Sub.: Science

Unit/ Term	Chapter Title	Learning Outcomes	Key Concepts (Syllabus)	Resources	Activities/ Assignments/ Projects
U1	1) Food Where does it come from?	<p>Make a list of food items and their ingredients.</p> <p>Part of Plants used as Food.</p> <p>Make a list of food items and their sources (plants and animals)</p> <p>Identification of herbivores, carnivores and omnivores.</p> <p>Identification of edible root, stem and leaves.</p>	<p>Different food items and their ingredients.</p> <p>Plants and animals as source of food.</p> <p>Edible parts of plant, animal products used as food</p> <p>Identification of herbivores, carnivores and omnivores.</p>	<p>Examples of food from different parts of plants and food from animal sources.</p>	<p>Activity: Make a list of food items given in Mid-Day Meal.</p> <p>Make a list of Plants found in your area which are eaten as food.</p> <p>Make a list of edible stems.</p>
	2) Components of Food.	<p>Conduct simple investigation to seek answer to queries, e.g.,</p> <p>What are the food nutrients present in animal fodder?</p> <p>Prepare a list of food items you consume which are rich in Carbohydrates, Proteins, Vitamins, fats and mineral</p> <p>The nail on your fingers, toes and hair on your head are pure proteins.</p> <p>Balanced Diet</p> <p>Diseases caused due to deficiency of vitamins/minerals.</p>	<p>Source of proteins, vitamins, carbohydrates, fats and minerals.</p> <p>Functions of various components of food.</p>	<p>Mid Day Meal, Charts, pictures/films of children suffering from food deficiencies and disabilities.</p> <p>Charts showing common edible and nutrients present in them.</p>	<p>Activity: Simple test for starch, protein and fats.</p> <p>Balanced diet and its use.</p> <p>Project and Assignment:</p> <p>1. Students to be asked to prepare their diet chart at home for a week.</p> <p>Prepare a list of food items you consume which are rich in Carbohydrates, Proteins, Vitamins, fats and mineral.</p> <p>Make a list of common nutritional deficiency found in Kashmir.</p>

U 2	4. Sorting materials into Groups.	separating materials in your classroom made of plastic, paper , iron etc materials as soluble, insoluble, transparent, translucent and opaque. selecting season appropriate fabrics	Materials and their properties. Classification of materials on the basis of solubility and transparency. Importance of grouping of materials	Sharing of prior knowledge with parents and community. Materials, kit items. Samples of Summer and winter clothes.	.Project: Collect materials from your surroundings and group them on the basis of their solubility and transparency. Enlist reason for pheran being a perfect outfit for winter.
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	5. Separation of Substances	Separating mixtures through different processes. Keeping water in a pot for whole day and explain why level of the water depleted in the pot. classifies materials, organisms And processes based on Observable properties, e.g., materials as soluble, insoluble	Methods of Separating mixtures- handpicking, threshing, winnowing, sieving. Sedimentation, Decantation, filtration Evaporation with their explanation by local examples. Water as universal solvent. Saturated and unsaturated solutions with activity. Solute, solvent and solution.	Everyday experience Field visit to paddy fields for observing various separation processes.	Group Work: Separate different mixtures like Muddy water; mixture of rice sand and salt; mixture of water and sugar. Make a list of separation process used in kitchen in everyday cooking.
T1	10. Motion and the measurement of substances	Need to measure distance (length). Measurement of length. Motion as change in position with time.	Different modes of transport. Elementary idea of motion/rest. Types of motion; Rectilinear and circular motion, periodic motion and rotatory motion. Concept of measurement, measurement of	Everyday experience; equipment (scale etc.) to measure length. Stories for developing contexts for measuring distances.	Project: With the help of ruler, measure objects like Table, black board, legs of a chair and your class room. Make a list of different types of motion from our day to day life.

			length(Standard Unit)	
9 The Living Organisms & Their Surroundings	List the animals and their habitat found in your area. Adaptations of animals and plants with their habitats. Plants and animals found in different habitats have different features.	Habitat and Adaptation, Terrestrial Habitats: Deserts, Mountain regions, Grasslands. Aquatic Habitats: Oceans, Ponds and Lakes. Characteristics of living beings.	Pictures of different animals. Recollection of diversity of living organisms and the habitat where they live. Potted plants or seeds, pots, etc thermometer, any water plants, any xerophytic plants, Information on desert and aquatic plants and animals.	Assignment: Write different types of plants with their common names found in your area living in different habitats. Give example along with picture of habitats found in J&K.
11. Light Shadow w & Reflection	Transparent, opaque and translucent objects. Formation of shadows; reflection of light from plane mirror	Concept of transparent, opaque and translucent objects. Concept of light and shadow. Mirrors and reflections,	Previous experience, candle/torch/lamp, white paper, cardboard box, black paper.	Activity 1: Reflection of light through plane mirror. Activity 2: Construction of pinhole camera.

	14 Water.	Water:one of the most important natural resource. Uses of water. Water cycle, transpiration vis-à-vis Evaporation. Rain water harvesting. makes efforts to protect wastage of water cycle	Water and its uses in daily life. Misuses of water. Sources of water and conservation of the sources of water. Evaporation and condensation. Water cycle, transpiration vis-à-vis Evaporation. Rain water harvesting.(Brief)	Experience, newspaper reports.	Project: preparation of posters showing the misuses of water and the proper use of water. Project: Students to carry out a rally in the school vicinity to aware people about conservation of water preferably on World Water Day (22nd March) Project: Prepare a simple modal of rainwater harvesting
U3	3 Fibre to Fabric	differentiates materials and organisms, such as, fibre and yarn	Concept of fibre, yarn and fabrics. Sources of fibre (Plant and Animals) Natural and Synthetic fibres.	Samples of wool and silk; brief account of silkworm rearing and sheep breeding.	Project: Collection of natural and synthetic fibres found in your locality.
	6. Changes around us	physical and chemical changes. Changes as can be reversed or cannot be reversed	Examples of physical and chemical changes. Fermentation, reversible and irreversible- changes occurring in the environment.	Prior knowledge, kit items.	Assignment: Students to be asked to visit their kitchen and observe changes taking place and classify these changes into reversible & irreversible changes
	8 Body Movements	Drawing of labelled diagrams / flow charts of organisms e.g., joints Why is movement of earthworm and fish different from a man.	Movements of the body parts, joints of human body. Fixed joints and moveable joints. Ball and socket joints, Pivotal joints and hinge joints. Movement of the earthworm and the fish	Observation of nature; model of skeleton, X-rays of arms or legs, chest, hips, jaws, vertebral column (could be given in the textbook)	Project: collect old x-ray films and observe the structure of different joints. Ask your teacher for help & guidance

T2	12 Electricity and Circuits	Conductor, Insulator diagram: electric circuits	Concept of electric circuit. Parts of an electric cell and torch bulb and the functions of a switch. Electric conductors and insulators.	Torch: cell, bulb or LED, wires, key. Mica, paper, rubber, plastic, wood, glass metal clip, water, pencil (graphite), etc.	Project: Prepare an electric circuit consisting of a cell or battery, connecting wires, switch and bulb.
	15 Air Around us	Air and its uses. composition of air oxygen cycle	Air and its constituents. Importance of air constituents, concept of air pollution. Interdependence of plants and animals in oxygen cycle (brief Idea). Wind energy (brief Idea).	Experience.	Project: Designing a model of wind mill. Discussion. Why do earthworms come out of the soil when it rains?
	7 Getting to Know Plants	Types of plants. draw labelled parts of flowers e.g.,	Concept of herbs, shrubs and trees. Parts of the typical plants with their important functions. Identification of the different parts of the typical flower	Plants, flowers, blade, hand lens.	Activity: Study of any flower, counting number of parts, names of parts, cutting sections of ovary to observe ovules. Project: paste different types of the leaves on a chart. Project: Take a flower and study its different parts and draw the same on a chart.
	12 Electricity and Circuits	Conductor, Insulator diagram: electric circuits	Concept of electric circuit. Parts of an electric cell and torch bulb and the functions of a switch. Electric conductors and insulators.	Torch: cell, bulb or LED, wires, key. Mica, paper, rubber, plastic, wood, glass metal clip, water, pencil (graphite), etc	Project: Prepare an electric circuit consisting of a cell or battery, connecting wires, switch and bulb.

TERM 2nd

<p>15 Air Around us</p>	<p>Air and its uses. composition of air oxygen cycle</p>	<p>Air and its constituents. Importance of air constituents, concept of air pollution. Interdependence of plants and animals in oxygen cycle (brief Idea)., Wind energy (brief Idea).</p>	<p>Experience.</p>	<p>Project: Designing a model of wind mill. Discussion. Why do earthworms come out of the soil when it rains?</p>
<p>7 Getting to Know Plants</p>	<p>Types of plants. draws labelled parts of flowers e.g.,</p>	<p>Concept of herbs, shrubs and trees. Parts of the typical plants with their important functions. Identification of the different parts of the typical flower</p>	<p>Plants, flowers, blade, hand lens.</p>	<p>Activity: Study of any flower, counting number of parts, names of parts, cutting sections of ovary to observe ovules. Project: paste different types of the leaves on a chart. Project: Take a flower and study its different parts and draw the same on a chart.</p>
<p>16 Garbage in, Garbage out</p>	<p>Make effort to protect environment. Knowing polythene as a dangerous and harmful thing. concept of 3R's.</p>	<p>Concept of waste, types of waste, concept of 3R's. Recycling of paper. When waste is problem. Sources of waste, garbage, composting. (brief Idea) Plastic and polythene and non-decomposable wastes.</p>	<p>Observation and experience.</p>	<p>Assignment: Prepare handmade posters displaying the message of harmful effects of non-degradable wastes and paste them at visible places of the vicinity. Survey of solid waste generation by households; estimation of waste accumulated (by a house/ village/ colony etc.) in a day, in a year; discussion on 'what is waste'; Activity to show that materials rot in soil, this is affected by wrapping in plastics.</p>

13	Fun with Magnets	Magnet and poles of magnet. Why does a freely suspended magnet align in a particular direction? using compass needle for finding directions	Concept of magnetism and uses of magnets. Poles of the magnet with their properties. Distinction between magnetic and nonmagnetic substances.	Magnet, iron pieces, iron filings, paper, bar magnet, stand, thread, compass. Two bar magnets, thread, stand	Activity : To magnetize a piece of iron rod.
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Class: 6th

Sub.: Social Science

(History, Civics & Geography)

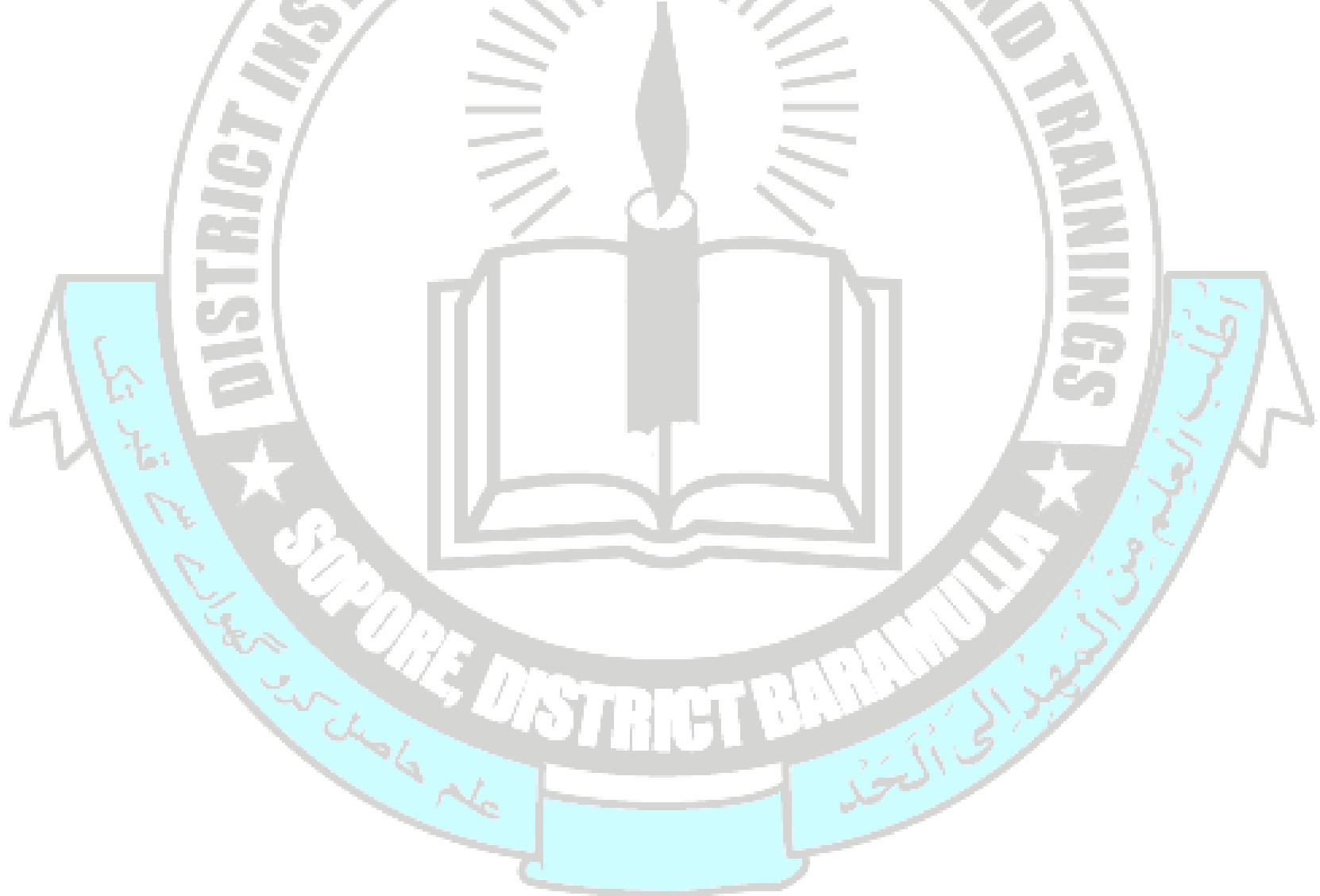
Academic spell	Subject Area	Chapter Number	Chapter Name	Learning outcomes:	To understand/Know/Appreciate/Learn
UNIT I	History	01	What, Where, How and When	Introduction to subject History. Our Past:- Finding sources to construct history ; Archeology as a major source, significance of archaeological remains	
	Civics	01	Living & working together	How different families make a living - Difference in work (Occupations) of villages and cities - interdependence of villages and cities- importance of work of traders- concept of exchange-Giving and getting, Buying & selling. Activity :- Identification of different occupation of your area.	
		02	Life & Work in villages	Occupations of different people in different regions of your state J & K- Difference between the work of farming and keeping animals-Difference between people who grow food for themselves and who grow things to Sell	
	Geography	01	The earth in our solar system	Know the meaning of : Universe, planet, Constellations, celestial bodies, Stars, satellite, asteroids, Galaxy, Meteors, comets, Milky way; The Sun & its family; the earth as a unique planet in our solar system; The Moon its unique features. Model Work:- Prepare a model of Solar System.	
		02	The earliest People	The skill and knowledge of hunter gatherers- stone arte crafts as archaeological source- Early man and his environment.	

History	03	From gathering to growing food	The diversity of early domestication- The material culture generated by people in relatively stable settlements. Concept of Sedentary life
Civics	03	Life & Work in cities	In flow of people in cities- changes in a city-Reasons for migration to cities- basic requirements for a job or business- Different occupations of a city- comparison between old means of transport and communication with the present one- Importance of marketing; role of Govt. in Education.
Geography	02	How the Globes & Maps help us	Know the meaning of: Globe, Plan, Cardinal Points, Compass, Map. Different types of Maps- Shortcomings of a Globe- Difference between a Globe & a Map, between Plan & Map, between Plan & Sketch-Locating different Latitudes on a Map. Use of maps and globe.



TERM - I	History	04	In the earliest Cities	The distinctive life in cities – The Archeological evidences of urban centers- its use to reconstruct processes such as craft production.
		05	What Books & Burials tell us	Flourishing & End of Mohenjo-Daro; Different developments were taking place in different places parts of the sub continents simultaneously- simple strategies of textual analysis--skill of Archeological analysis- Importance of Burials.
	Civics	04	What is Govt.	Meaning of Govt. - Importance of Govt.-Functions of Govt.- Levels of Govt.- Difference between Govt. & Private Institutions- Income of Govt. Democracy a form of Govt.-Democracy in our lives- Votes for Women
		05	How democracy works	Meaning of equality, Apartheid (South Africa) – Needs for elections after a fixed period- Protests against Govt.- Resolving conflicts-Gender equality-Forms of Democracy other than elections
	Geography	03	Locating places on the Earth	Two basic points of references on the earth's surface To Know meaning of : Equator, Parallels of Latitude, Longitude, Poles, Important Latitudes, Heat Zones, Meridians of longitude , Relation of longitude & time, Standard time , Local time
		04	How days & Seasons are caused	To Know meaning of : Rotation, Revolution, Equinox , Solstice, Formation of days & Nights- Formation of seasons Prepare a chart on formation of day and nights / seasons.
UNIT - III	History	06	Kings, Kingdoms & new Ideas	Concept of state & its varieties- Use of textual sources in this context-Basic tenants of Upanishads, Jainism & Buddhism and the context in which they developed & flourished.
		07	Empires cities & Villages	Concept of empire- Inscriptions as sources-Variety of early urban centres- Use of coins, Sculptures, Textual Sources to reconstruct Social and Economic histories. Activity:- A visit to a museum.
	Civics	06	Who looks after our villages	Needs of a village- Water, electricity, Roads, Education, Law & Order, Revenue records. Different functionaries of a village- Patwari, Tehsildar, Police Man, SHO, and their work- New law for helping women to own land- Panchayati Raj – Halqa Panchayat A visit to nearest police Station, Tehsil office, Post Office.

Geography	05	Major domains of the earth	<p>To Know the meaning of: Continent, Ocean, Lithosphere, Atmosphere, Hydrosphere, Biosphere</p> <p>Four major domains of the Earth- Most dominant gases- Four major oceans of the earth, Importance of the oceans, Major continents, mountain formation, Plateau, Plains, The domain of the life (Biosphere), interaction of animal plant kingdom, interdependence of various realms of the earth.</p> <p>Prepare a chart of Biosphere.</p>
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TERM - II

History	08	Traders ,Kings & Pilgrims	Different contents of contacts between distant lands- The motivating forces (including consequents) - implication of journeys within the sub-content- Use of textual& visual material for reconstructing the histories of such contacts.	
	09	New Empires &Kingdoms	Strategies of Expansion-. Development of different Administrative system-Use of Prashastis to reconstruct political histories.	
	10	Buildings, Paintings and Books	Textual and visual tradition of the period- excerpts from text and visual material for analysis and appreciation. Concept of artifacts.	
	Civics	07	Who takes care of our cities	Needs of city People- Schools, Hospitals, Markets, Traffic Control, Garbage disposal etc. Municipal Corporation- Functions, Income (Money), Structure. A visit to Municipal office.
		08	We in J & K different & alike	Similarity & differences in food habits, dress, Language, food, occupations among people of J & K –celebrating together – reasons for diversity. Concept of prejudice. Activity:- Make a list of local dress
		09	Struggling for equality	Concept of equality – Gender Equality – Regional Equality – Concept of stereotypes, Discrimination, need for treating all the people Equally, Equality in the constitution, Social equality, Economic equality.
		10	Barter & Money	Concept of buying & selling, barter trade & limitations, concept of money & its evolution.
	Geography	06	India at a Glance	Major physical divisions of India, Their features in brief, Location& extent of India, administrative Divisions of India – Identifying neighboring countries of India.
		07	India ; Climate, Vegetation & wild Life	Major seasons recognized in India – Natural vegetation, Its five tropical rain forecasts, tropical deciduous forests, thorny bushes, Mountain vegetation, Mangrove forests ; Wild life.
		08	J & K at a Glance	Know about your State – physiographic divisions – Climate, seasons, Natural vegetation, forest resources – Wild life – Soil – mineral resources Map Skill: Identifying neighboring states of J & K on outline Map.
09		Pollution	To Know meaning of : pollution – Sources of air pollution – Harmful effects of air pollution – Acidic rain – Harmful effects of water pollution, prevention & control of water pollution – Sources of soil/ Land pollution.	



درجہ ششم: بہارستان اُردو

آموزشی ماہِصل	تدریسی طریقہ کار و مشق	عنوانات	تقسیم نصاب و میقات برائے امتحان
کہانیوں اور نظموں کو سمجھ کر اپنی رائے ظاہر کرتے ہیں۔ اپنی آس پاس بولی جانے والی زبانوں کا تقابل اُردو کے ساتھ کرتے ہیں۔	اسباق کی تدریس و تفہیم تو ضیحات کے ساتھ کرنا۔ نعت، حمد، دُعا کی وضاحت کرنا اور ان کے درمیان فرق واضح کرنا۔ اِملاء سکھانا۔ طلباء اپنے دوستوں، ہم جو بیوں کے مختلف تجربات مثلاً ان کے سفر کے مشاہدے اور اس سے حاصل شدہ تجربات کو سننے اور سنانے کا موقع فراہم کرنا۔ کلمہ کی مختلف قسمیں، مضامین اور درخواست لکھوانا، شعراء و ادباء کے متعلق پیرا گراف لکھنا۔	دُعا، ہمارے سرسبز جنگلات، شاعر کشمیر مہجور	جزاؤں سے ۱۳ دسمبر تک
ریڈیو، ٹی وی، اخبارات کو پڑھ کر ان سے متعلق تجزیہ پیش کر سکتے ہیں۔	اسباق کی مکمل تدریس و تفہیم کرنا، صحیح املا اور رسم الخط کی طرف توجہ دینا، اخبارات، رسائل اور جریدے پڑھنے کی طرف طلباء کو مائل کرنا۔ مضامین اور درخواست لکھوانا۔ کلمہ کی قسمیں۔ ادباء کی زندگی پر پیرا گراف لکھوانا۔	صبح کا ترانہ نیک عادات ہاتھی کا وزن	جودوم ۱۴ اپریل تا ۱۲ اپریل تک



درجہ ششم: بہارستانِ اُردو

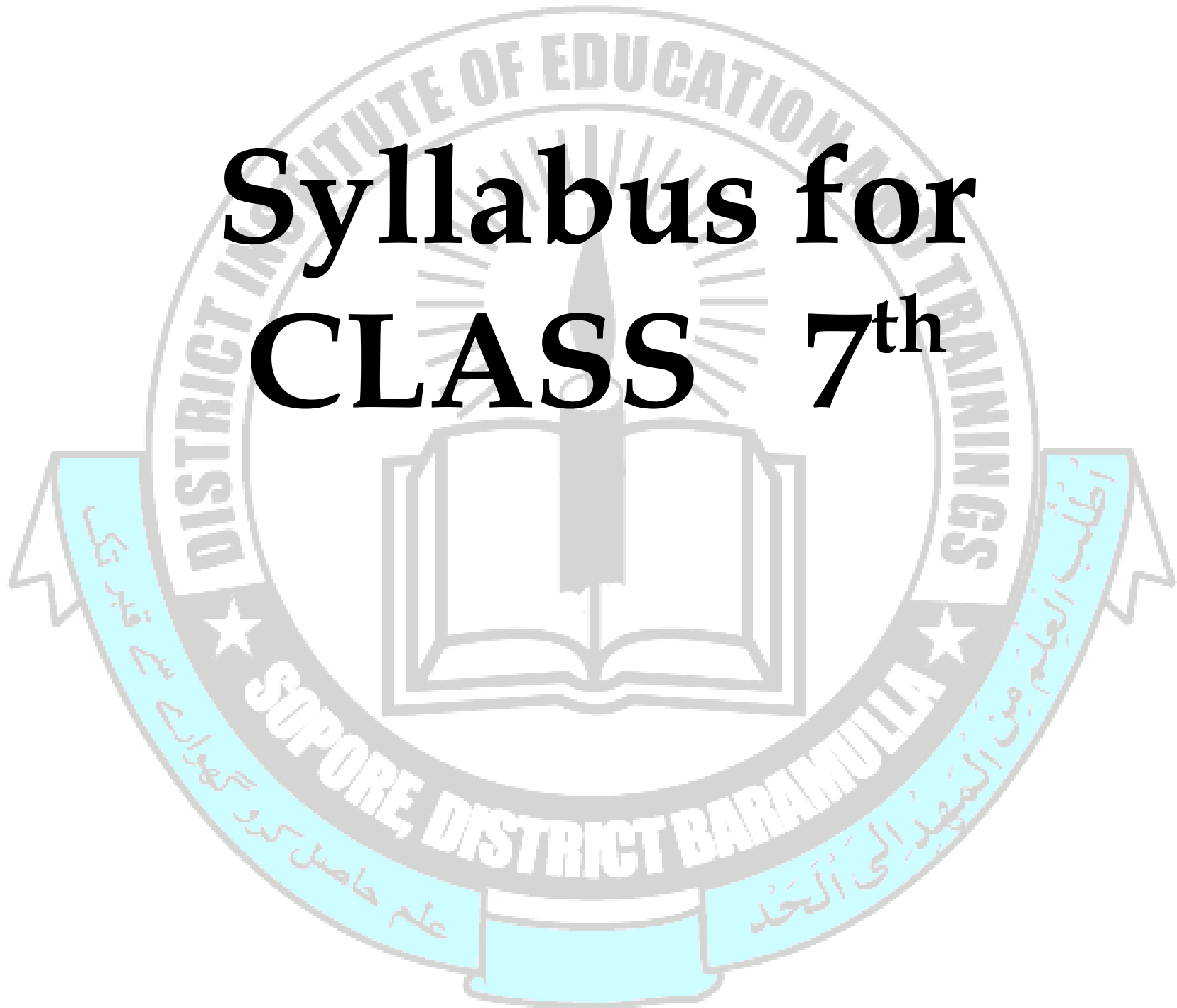
تقسیم نصاب و میقات برائے امتحان	عنوانات	تدریسی طریقہ کار و مشق	آموزشی ماہِ حاصل
میقات اول ۳۱ مئی تا ۷ جون	ہندو مسلمان، سوامی و ویکانند ایثار کا جذبہ، جاگو جگاؤ چنگلی کھانے والا	اسباق کی مکمل تدریس و تفہیم مع توضیحات، مختلف نشستوں کا انعقاد کرنا جن میں بچوں کی قرأت اور تلفظ کی درستی ہو جائے۔ تحریری اور تقریری مقابلوں کا انعقاد کیا جائے، تاکہ طلباء کو لکھنے کا ماحول فراہم ہو جائے۔ طلباء کو اقدار اور رواداری کا سبق دینا۔ واحد جمع، تذکیر و تانیث، ضد و اضداد، کلمہ کی قسمیں، مضامین، درخواست اور ادباً پر پیرا گراف لکھوانے کی مشق۔ اشعار کی تشریح کروانا۔	کسی تحریر یا تقریر کا خلاصہ اپنی زبان میں پیش کرتے ہیں۔
جوسوم ۱۴ تا ۲۳ جولائی	شیر میسور ٹیپو سلطان برف باری حکایات	اسباق کی مکمل تفہیم و تدریس مع توضیحات، معیاری اُردو تلفظ سکھانا، تصحیح املاء، نظم اور کہانی کا خلاصہ لکھوانا۔ معنوں کے لحاظ سے اسم کی قسمیں، درخواست، مضامین، پیرا گراف لکھنے کی مشق	نظموں اور کہانیوں کا خلاصہ لکھتے ہیں۔

درجہ ششم: بہارستان اُردو

تقسیم نصاب و میقات برائے امتحان	عنوانات	تدریسی طریقہ کار و مشق	آموزشی ماحصل
میقات دوم ۱۵ مئی تا ۲۵ اکتوبر	صحت اور صفائی گھوڑے اور ہرن کی کہانی کابلی والا بجلی کے کرشمے	اسباق کی مکمل تدریس و تفہیم مع توضیحات، مختلف تحریری اور تقریری نشستوں کا انعقاد کر کے طلباء میں ادبی ذوق اُجاگر کرنا۔ شعر فہمی کی رغبت پیدا کرنا تاکہ طلباء کا بول چال معیاری بن جائے۔ بناوٹ کے لحاظ سے اسم کی قسمیں، واحد جمع، مذکیروتانیث، ضد اضداد، سابقے لاحقے، مضامین، اقتباسات اور درخواست وغیرہ لکھنے کی مشق	طالب علم مختلف سماجی مسائل کو سمجھتا ہے اور ان پر اپنی رائے ظاہر کرتا ہے۔



Syllabus for CLASS 7th



Diagonal Linkage for Class 7th

Content Load	Evaluation				
	Unit 1	Unit 2	Term 1	Unit 3	Term 2
Unit1=15%	10%	...	5%	...	...
Unit2=15%	...	10%	5%	...	...
Term1=20%	...	...	20%	...	...
Unit3=15%	...	...	...	10%	5%
Term2=35%	...	...	...	...	35%
Total=100%	10%	10%	30%	10%	40%

S. No	Unit/term %age of syllabus to be covered	CONTENTS	Learning Outcomes	Pedagogical processes involved
1.	U1 15%	The Markhor	<ul style="list-style-type: none"> Speaks about excerpts, short films, news and debate on TV and radio, audio/video programmes on suggestive websites. Reads textual, non-textual materials in English/Braille with comprehension. 	<ul style="list-style-type: none"> Watch and listen to English movies, serials, Educational channels and audio/video materials. Read stories/plays in English and locate details, sequence of ideas and events.
2.		Windows	<ul style="list-style-type: none"> Recites poems with appropriate pause, intonation and pronunciation. 	<ul style="list-style-type: none"> Interpret tables, charts, diagrams and maps and incorporate the information in writing.
3		Trees	<ul style="list-style-type: none"> Takes notes while teacher teaches from books/ from online materials. 	<ul style="list-style-type: none"> Use audio/visual aids to browse for information etc.
1.	U2	Lal Ded	<ul style="list-style-type: none"> Read a variety of text for pleasure e.g. biography, travelogue, etc. 	<ul style="list-style-type: none"> Read texts, both familiar/unfamiliar and write answers for comprehension and inferential questions.
2.		Windows	<ul style="list-style-type: none"> Participates in different activities in English such as role play, poetry recitation, skit, drama, debate, speech, etc. 	<ul style="list-style-type: none"> Provide opportunities to learners to participate in different events/activities in English in the classroom, school assembly and organized by different Institutes.
1.	T1 20%	Tobacco- The Silent Killer	<ul style="list-style-type: none"> Reads to seek information from book/online. 	<ul style="list-style-type: none"> Use materials from various sources in English and other languages to facilitate comprehension and co-relation.
2.		A Mad Tea Party	<ul style="list-style-type: none"> Refers to Dictionary, Thesaurus and Encyclopedia to find meanings/spellings of words while reading and writing. 	<ul style="list-style-type: none"> Allow the learners in classroom to refer sources suggest Dictionary, Thesaurus and encyclopedia to facilitate reading and interaction and try to solve the appropriate problems along with punctuation marks.
3		The Rebel	<ul style="list-style-type: none"> Uses appropriate grammatical forms in communication (e.g. Verb, time and tense, passivation, Adverb, etc.) 	<ul style="list-style-type: none"> Draft, revise and write with appropriate beginning, middle and end.
4		The Little Girl		

1.	U3 15%	Macbeth	Responds to different kinds of instructions, requests, directions in varied contexts like school, home, playground, railway station, airport, bus terminal, taxi stand, etc.	<ul style="list-style-type: none"> Share their experiences such as journeys, visits, etc. In pairs/groups.
2.		Sympathy	<ul style="list-style-type: none"> Identifies details, characters, main idea and sequence of ideas and events in textual/nontextual material. 	Read stories/ plays (from books and other sources in English/ Braille and locate details, sequence of ideas and events and identify main idea.
3		Face Showing	<ul style="list-style-type: none"> Writes descriptions/narratives showing sensitivity to gender, environment and appreciation of cultural diversity. 	<ul style="list-style-type: none"> Attempt creative writing, like stories, poems, dialogues, etc.
1	TERM II	Fetching the doctor	Asks and responds to questions based on texts (from books or other resources) and out of curiosity. Thinks critically, compares and contrasts characters, events, ideas, themes and relates them to life. Writes formal letters, personal diary, list, e-mail, Writes dialogues from stories and stories from dialogues. Visits a language laboratory and writes a book review.	<ul style="list-style-type: none"> Summarize orally and in writing a given text, story or an event. Think critically or inputs based on reading and interaction and try to provide suggestions, solutions to the given social issues. Attempt creative writing, like stories, poems, dialogues, etc. Learn vocabulary associated with various professions. Visit a language laboratory and write a book review.
2		The Bahu Fort		
3		To sleep		
4		The Gumbie Cat		
5		A Shadow		
6		Lalajee		

Class: 7th

Sub:Mathematics

Cours e	Contents	Learning Goals
UNIT-I	Integers	Conceptual understanding of Integers and their representation on number line. To have the concept of properties like Closure, commutative, associative and distributive properties and their application in operations.
	Fractionsanddecimals	To be able to concretize the concept of fractions by solid operations. To have the concept of fractions as decimals To be able to operate fraction & fraction, fractions & integers.

		<p>To be able to perform operations on decimals.</p> <p>To be able to compare decimals and fractions.</p>
UNIT-II	Data Handling	<p>To have the Skill of collecting, recording & organizing data and representing it graphically.</p> <p>To be able to calculate mean, mode and median of data and understanding their applications in day to day life. To have the conceptual understanding of probability and its use.</p>
	Simple Equations	<p>To have the concept and understanding of equations.</p> <p>To have the ability to frame linear equations from statements and their solutions.</p> <p>To be able to apply simple equation/s in day to day life.</p>
TERM-I	Lines and angles	<p>To have the Conceptual understanding of point, line, line segment and the plane.</p> <p>To have the knowledge of different types of angles and their identification and importance in the surroundings.</p> <p>To have the knowledge of transversal of parallel lines and properties of corresponding angles, alternate-interior angles and interior angles on the same side of a transversal.</p>
	The Triangle and its properties	<p>To have the conceptual understanding of triangle and its elements.</p> <p>To have the conceptual understanding of exterior angle of a triangle and its property.</p> <p>Angle sum property of a triangle and its application to find some unknown angles</p> <p>To have the concept of altitude and perpendicular in a triangle.</p> <p>Right angled triangles and Pythagoras property and its application in the day to day life</p>
	Rational Numbers	<p>To have the conceptual understanding of rational numbers and their need.</p> <p>To be able to compare of rational numbers and their representation of a number line.</p> <p>To be able to identify rational numbers between two given rational numbers.</p> <p>(using given method) Operation on rational numbers.</p> <p>To have the understanding of the role of identities in the operation of rational numbers.</p>
	Congruence of Triangles	<p>To have the conceptual understanding of congruency in plane figures, line segments, angles and triangles.</p> <p>To have the knowledge of criteria for congruence of triangles (SSS, SAS, ASA, RHS).</p> <p>To have the knowledge of importance of congruency.</p>
UNIT-III	Comparing quantities	<p>To have the conceptual understanding of ratio, proportion & percentage and their conversion with each other. To be able to convert fractional number to percentage and vice versa.</p> <p>To have the concept of buying, selling, profit and loss and their calculation.</p> <p>To have the concept of simple interest and its application.</p>
	Perimeter and Area.	<p>To have the understanding of perimeter and be able to calculate the perimeter of different figures</p>

		To have the conceptual understanding of the area and of the different shapes and its application in the field. (Geoboard may help) Project: A record of the perimeters and area of classrooms, Playground, Office room etc. be put on a chart.
TERM -2	Practical Geometry	To be able to construct a line parallel to a give line. To be able to construct triangles using different criterion (SSS, SAS, ASA, RHS).
	Algebraic Expressions	Formation of algebraic expressions from different situations. Addition and subtraction of algebraic expressions.
	Exponents and powers	Understanding of exponents and laws of exponents. Expressing large numbers in the standard form.
	Symmetry	To be able to name and recognize different types of symmetry, rotational, reflective and point. To be able to identify a shapes line of symmetry and order of rotation. To be able to Identify lines of symmetry for regular polygonals.
	Visualizing solid shapes	To be able to identify two dimensional and three dimensional shapes To be able to recognize different views of 3D objects. To be able to discuss pyramids based on sides , should be able to polyhedron.

Class 7th

Sub.-: Science

Unit/ Term	Theme/ Sub-theme	Learning Outcomes	Key Concepts (Syllabus)	Resources	Activities/ Assignments / Projects
	1 Nutrition in Plants	Nutrition, Autotrophic and Heterotrophic nutrition; parasites, saprophytes; photosynthesis.	Nutrition and nutrients. Modes of nutrition in plants. Autotrophic and heterotrophic mode. Saprotrophic nutrition and Symbiosis . Activity: Collect some leaves of various shapes/ patterns and preserve them.	Coleus or another plant with Variegated leaves, alcohol, iodine Solution, kit materials	Need for light, green leaf for photosynthesis, looking at any saprophyte/parasite and noting differences from a green plant List of saprophytic and par osmotic plants found in Kashmir.

U-1	2 Nutrition in animals	<i>Types of nutrition, nutrition in amoeba and human beings, Digestive system - human, ruminants; types of teeth; link with transport and respiration.</i>	Essential parts of human digestive system. Functions of various parts of elementary canal (Human Beings). Step wise digestive process in human beings. Digestion in ruminants(Cow).Digestion in unicellular organisms (Amoeba).	Model of human teeth, charts of alimentary canal, types of nutrition etc., chart and model of amoeba. The story of the stomach with a hole.	Activity: to prepare a chart of human digestive system. Group work: Prepare a dental formula on chart indicating the functions of different teeth. Activity: Students may be asked to prepare oral solution (Oral Rehydration Solution) which is very important in case of excessive loss of water diarrhea <i>Effect of saliva on starch, permanent slide of Amoeba. Role play with children</i> <i>List of digestive disorder found in Kashmir.</i>
U2	3. Fibre to Fabric	<i>Classifies materials and organisms based on properties/characteristics, e.g., plant and animal fibres explain processes and phenomena, e.g., processing of animal fibres</i>	Animal fiber, wool, silk, Rearing/breeding of sheep. Processing fiber into wool. Life history of silk moth.	Samples of wool and silk; brief account of silkworm rearing and sheep breeding	<i>Collection of different samples of woollen and silk cloth. Activities to differentiate natural silk and wool from artificial fibres.</i> <i>Field visit to be in woollen mills.</i>
	8. Winds, Storms & cyclones	<i>Relates processes and phenomena with causes, e.g., wind speed with air pressure;</i>	Concept causes and effects of wind-storm and cyclone. Effective safety measures against cyclone.	Experience; newspaper reports. Narratives/stories.	<i>Making wind speed and wind direction indicators. Activity to show "lift" due to moving air. Discussion on effects of storms and possible safety measures</i> <i>Make a model of wind mill</i> <i>Project on Flood in Kashmir.</i>
	4 Heat	<i>What kinds of clothes help us to keep warm? What is heat? What is the meaning of 'cool'/'cold' and 'warm' 'hot'? Heat flow; temperature</i>	Heat and temperature and their difference. Measurement of temperature, Use of clinical and lab thermometer. Transfer of heat through conduction, convection, radiation. Good and bad conductors of heat. Activity: Recording the body Temperature of class mates	Potassium Permanganate, metal strip or rod, wax, common pins, spirit lamp, matches, tumblers, Thermometer etc. Charts showing different scales in measuring temperature.	<i>Experiment to show that 'hot' and 'cold' are relative. Experiments to show conduction, convection and radiation</i>

T1	5 Acids, Bases & Salts	Acids, bases and salts <i>Classification of substances into acidic, basic and neutral; indicators.</i>	Acids, bases and salts.. Acid base indicators; General physical properties of acid and bases with example Neutralization (brief idea)	Common substances like sugar, salt, vinegar etc, test tubes, plastic vials, droppers, etc.	Activity: Check the acidic and basic nature of different fruit juices and sodium bicarbonate, soap solution using litmus paper Find pH of Shampoos and cold drinks.
	10. Respiration in Organisms	<i>Why do we/animals breathe? Do plants also breathe? Do they also respire? How do plants/animals live in water? Respiration in plants and animals.</i>	Respiration, Types and process of respiration/Respiration, breathing (Differences). Respiratory system in human being. Role of Diaphragm, chest, lungs and ribs in breathing. Composition of inhale and exhale air. Exchange of gases in plants through stomata..	Lime water, germinating seeds, kit materials.	Activity/ Project: Observe and compare the X-ray chest of a normal person with a person who is chain smoker and enlist the findings <i>Experiment to show plants and animals respire; rate of breathing; what do we breathe out? What do plants 'breathe' out? Respiration in seeds; heat release due to respiration. Anaerobic respiration, root respiration</i>
	10 Motion & Time	Appreciation of idea of time and how to measure it. Measurement of time using periodic events. Idea of speed. Moving objects – slow and fast motion along a straight line	Understanding of motion and rest. Motion and its types, measurement of speed and time and its SI units. Distance – time graph	Daily-life experience; metre scale, wrist watch/ stop watch, string etc	Assignment: Identify the types of motion in sewing machine. Wing and march past of soldiers. Activity: Make a model of the sand clock. Numerical problems of speed.
	16 Water	Water as a natural resource. Importance of water for sustaining life. Sources of water. Water exists in various forms in nature. Water as universal solvent. Water cycle in nature. Water pollution, Causes, effects and prevention. Scarcity of water and its effect on life. Desalination of sea water.	Water as a natural resource. Importance of water for sustaining life. Sources of water. Physical states of water. Water as universal solvent. Water cycle in nature. Water pollution, causes, effects and prevention. Hydroelectric power projects in J and K. Portable water, physical properties of water. Salinity of sea water. Desalination of sea water.	Water exists in various forms in nature. Scarcity of water and its effect on life.	Project: Important canals and lakes in J and K. Case study of people living in conditions of extreme scarcity of water, how they use water in a judicious way. Projects exploring various kinds of water resources that exist in nature in different regions in India; variations of water availability in different regions List of glaciers of J&K.

U-3	7 Weather, Climate and Adaptation	Weather and climate. Adaptation of animals to different climates.	Distinguish between weather and climate. Wet and Hot climate. Humidity and rainfall. Activity: Discuss with your students the working of State Meteorological Department.	Data on earth, sun - size, distance, etc, daily changes in temperature, humidity from the newspaper, sunrise, sunset etc	Project: Collect pictures and make a collage related to September 2014 flood in Kashmir and the cite the possible reasons of that flood graph for daily changes in temperature, day length, humidity etc.; Try to find out reasons of 2014 flood in Kashmir valley.
6.	Physical & chemical changes	Physical and chemical changes. Activity : prepare the crystals of common salt (nacl) from brine using crystallization method.	Concept of physical and chemical change and their types viz, Galvanization, Rusting of iron and crystallization.	Common substances Like sugar, salt, vinegar Etc, test, tubes, plastic Vials, droppers, etc. Test tubes, droppers, common pins, vinegar, baking powder, CuSO_4 , etc. Urea, copper sulphate, alum etc Beaker, spirit lamp, watch glass, plate, petridish, etc	<i>Testing solutions of common Substances like sugar, salt, vinegar, lime juice etc. with turmeric, litmus, china rose. Activity to show neutralisation.</i> <i>Experiments involving chemical reactions like rusting of iron, neutralisation (vinegar and baking soda), displacement of Cu from CuSO_4 etc.</i> <i>Introduce chemical formulae without explaining them.</i> <i>Making crystals of easily available substances like urea, alum, copper sulphate, etc. Using supersaturated solutions and evaporation</i>
17	Forests : Our Life Line	Natural Resources, forests, Interdependence of plants and animals in forests. Forests Contribute to purification of air and water.	Forests as a natural resource, Food Chain, forests as ecosystem. Soil erosion. Decomposers, Role of forest in preservation of flood. Maintaining balance of O_2 and CO_2 in atmosphere . Important Forest products	Case material on forests, Films on wild life, TV programmes	Case study of forests.

T-2	9. Soil	Soil and its gradients. Soil profile and soil types. Crops grown with types of soil ,Soils in J and K. Soil erosion	Soil and its gradients. Soil profile and soil types. Properties of soil percolation, absorption, soils in j and k. Soil erosion.	Data on earth	Assignment: Enlist the natural ways to enrich soil fertility. Activity: Find out the moisture content of soil sample List of soils found in Kashmir.
	11 Light	<i>Reflection, certain surfaces reflect light. Real and virtual images. White light is composed of many colours. Rainbow</i>	Proving rectilinear propagation of light. Reflection of light. Spherical mirrors and their uses. Lenses, Kinds of lenses and their uses. Dispersion of light (Brief Explanation) Formation of rainbow, Spectrum.	<i>Rubber/plastic tube/ straw, any source of light Glass/metal sheet/metal foil, white paper. Convex/concave lenses and mirrors. Newton's disc</i>	<i>Observation of the source of light through a straight tube, a bent tube. Observing reflection of light on wall or white paper screen. Open ended activities allowing children to explore images made by different objects, and recording observations. Focused discussions on real and virtual images. Making the disc and rotating it.</i>
	10 Transportation in Animals & Plants	Herbs, shrubs, trees; Transport of food and water in plants; circulatory and excretion system in animals; sweating. Dialysis	Transportation of material in plants. Transpiration and its importance. Circulatory system in man. Process of blood circulation..Blood pressure, heart beat and pulse. Excretion in animals (Unicellular and multicellular) Excretion in man. Different organs of excretion. Excretory system in humans , Dialysis..	Twig, stain; improvised stethoscope; plastic bags, plants, egg, sugar, salt, starch, Benedicts solution, agno3solution	Translocation of water in stems, demonstration of transpiration, measurement of pulse rate, heartbeat; after exercise etc. Discussion on dialysis, importance; experiment on dialysis using egg membrane Activity: Show transpiration to the students by covering the leaf of live plant by transparent polythene . Functions of xylem and phloem Project: Teacher is advised to demonstrate the structure of; (1)Heart (2) Kidneys of sheep or ox by Dissection
	11 Reproduction In Plants	Reproduction and its need. Asexual and sexual reproduction in plants, pollination : cross, self Pollination; pollinators, fertilization, fruit, seed.	Reproduction and its need. Main modes of reproduction in plants. Different methods of asexual reproduction. Vegetative propagation and its advantages. Sexual reproduction in plants (Brief) sexual parts in flower. Pollination and fertilization. Parts of typical seed (Gram Seed), Parts of typical fruit (Pea And mango	Bryophyllum leaves, potato, onion etc.; yeast powder, sugar.	Study of tuber, corm, bulb etc; budding in yeast; T.S./ L.S. ovaries, w.m. pollen grains; comparison of wind pollinated and insect pollinated flowers; observing fruit and seed development in some plants; collection and discussion of fruits/seeds dispersed by different means. Activity: Study all parts of live flower Assignment : Ask students to collect different seeds

12	Electric Current & Circuits	<p>Electric current. Electric circuit symbols for different elements of circuit. Heating effect of current.</p> <p>Principle of fuse.</p> <p>A current-carrying wire has an effect on a magnet.</p> <p>A current-carrying coil behaves like a magnet.</p> <p>Working of an electric bell</p>	<p>Electric current. Electric circuit, heating and magnetic effects of current. Electric fuse and its principles. Electric bell and its working.</p>	<p>Cells, wire, bulb or LED, aluminum foil, compass, battery. Coil, iron nail. Electric bell</p>	<p>Drawing circuit diagrams.</p> <p>Activities to show the heating effect of electric current.</p> <p>Activity to show that a current-carrying wire has an effect on a magnet. Making a simple electromagnet. Identifying situations in daily life where electromagnets are used. Demonstration of working of an electric bell</p> <p>Activity: to make an electric fuse. Activity: precautions/safety measures while handling electric devices project: Prepare an electromagnet</p>
18	Waste water story	<p>Sewage; need for drainage/sewer systems that are closed.</p>	<p>Sources of water, defining wastewater or sewage, contaminants of waste water. Treatment of polluted water. Sanitation and some water Borne diseases.</p>	<p>Observation and experience; photographs.</p>	<p>Survey of the neighbourhood, identifying locations with open drains, stagnant water, Tracing the route of sewage in your building,</p> <p>Project: Observe the sanitation pattern in the vicinity and advocate the reform</p>

Class:7th

Sub.: Social Science
(History, Civics, Geography)

Academic spell	Subject Area	Chapter Number	Chapter Name	Learning out comes : To understand/Know/Appreciate/Learn
UNIT-I	History	01	Periodization & major Developments	Changing names of the land – Broad historical trends- Kinds of sources that historian use for studying this period Activity: List different types of sources for reconstructing contemporary history
	Civics	01	We & Our Govt.	Defining Society & Govt. --- Functions & Organs of a Govt. Different forms of Govt. – Need to live in society – your role in society – suitable society.
	Geography	01	Our environment	To Know meaning of: Environment, components of environment Need to protect environment, Biodiversity.
		02	Changing face of the earth	Forces responsible for changing the surface of the earth- Volcano, Earthquake, landslides, weathering & Erosion , Running water, wind and Glacier
UNIT-II	History	02	New Kings & Kingdoms	Political developments and military conquests-Gujarat, Pratihars, Rashtrakuts, Palas, Chahmanas (Chauhans) & Gaznavids- Changes in Administration- Relationship between Political and economic processes, Use of inscriptions to rewrite history.
		03	The Delhi Sultans	Development of political institutions & relationship amongst rulers- strategies of military control and resource mobilization, use of travelers' accounts- Court chronicles & historical buildings to reconstruct history. Activity :- Identification of Extension of Delhi Sultanate (Map)
	Civics	02	Making of the constitution	Defining constitution, Preamble, socialism, Sovereign, Franchise, Unity, Integrity, Republican nature of India; How India is a Secular and democratic Country- Nature & type of state of India.
	Geography	03	Earth's interior	Surface of the earth, Interior layers of the earth, Rocks & Minerals- Categories of rocks – Rock cycle. Uses of rocks

TERM-I	History	The Mughal Empire	Political history of 16 th & 17 th centuries-Impact of imperial administration at the local/Regional level-Akbarnama& Ain -i-Akbar as a source. Project: Make a project about any Mughal Monument in J & K. or Identification of different monuments in J&K.
		Rulers & Buildings	Range of materials, Skills and Styles used for buildings-Engineering & Construction skills, artisan organization & resources required for building works-use of contemporary documents, inscriptions & the buildings to rewrite history. Activity: arrange a visit to any heritage building of your area or state, make a report after knowing more about it. If possible Publish it in any local news paper.
	Civics	Fundamental Rights, Duties & Directive Principles	Fundamental rights-Meaning, list them & explain as guaranteed by the Indian constitution; Directive Principles of state policy- Meaning & name them; Fundamentals duties- Meaning & name them.
		Our Identity	Identification of national symbols & their features- Reasons for choosing them. Project: Make a scrap Book of National symbols of India.
	Geography	Air around us	Definition and Composition of air, Air pollution, Structure of Atmosphere, atmospheric pressure, Wind & its types, Moisture.
		Water surrounding the continents	To Know meaning of : Water cycle; ground water, transpiration, Distribution of water bodies, Ocean movements, Water conservation Map work-Show major ocean currents both hot & cold
UNIT-III	History	Towns, Traders and crafts person	Origin & histories of towns- Differences between founded towns and those that grow as a result of trade-use of travelers account, contemporary maps & official documents inreconstructinghistory Project: prepare a report on the village/town/city highlighting its origin, major events & itsimportance.
		Devotional Paths to the Devine	Major religious ideas & practices that began during the period- saints like Kabir & Nanak- Challenged formal Religions- Use of written / oral traditions in rewriting history. Project: Make a project on any local Sufi saint detailing his contribution
	Civics	Govt. At the centre	Various organs of the Govt. At centre- Indian Parliament-Its bicameral nature- How laws are made-The president & the prime Minister of India- Their powers.
	Geography	Natural vegetation & wild life	Factors responsible for growth of vegetation. Classification of natural vegetation. Types of forests, Grasslands &Deserts. Different types of animals found in these regions.
TERM - II			

UNIT - III

History	08	The emergence of regional culture.	Development of regional cultural forms including classical forms of dance & music. Activity :- Classification of Rouf and local folk dances.
	09	18th Century Political formation	Developments related to the Sikhs, Marathas, Rajputs, Later Mughals - Nawabs of Awadh, Bengal & Nizam of Hyderabad.
	10	Medieval J & K	Political development during 14th -17th centuries- Establishment Of sultanate - Development of arts & Crafts. Religious tolerance under Zainulabdin - Chak rule- Impact of Mughal rule- engineering skills and material under the sultans & the Mughals - Prominent Sufis & Saints of the period- Spread of Islam. Ladakh consolidation under the Namgyals - Some features of Gompas - Jammu emerges under Dev Dynasty- Their administration
Civics	06	Govt. In the State	Composition of state Legislative- Chief minister & his /her council of ministers- Their powers- Governor - his appointment & powers- administration in union territories. Activity :- List down the names of a few CMs in different states/UTs.
	07	Administrative structure of the Govt.	Administrative divisions of India_ States-Union Territories-District- Tehsil- Administration at each level- State Administration- District Administration- subdivisional Level administration And Tehsil Level administration. Special powers of D.Cs
	08	Media & democracy	Concept of direct & In- direct Democracy- Need of Indirect democracy in India- Role of Media in Democracy- Objectives of Media- Limitations of Media- Basic Principals of journalism. Concepts of media and its types.
Geography	07	Human Environment settlement & communication	Settlement-Meaning, Types of settlement; Transport-Major means of transport. Communication- Meaning Means of communication.
	08	Life in the deserts	Types of Deserts- The biggest hot Desert- Climate, Flora & Fauna Ladakh- The cold Desert- Agriculture, animals, Minerals & People. Map skill- Locate hot & Cold deserts viz. Sahara in Africa and cold desert in Ladakh
	09	Life in Tropical & Sub Tropical	Amazon Basin- Climate, people, Flora & fauna. Ganga -Brahmaputra plain - Climate, Flora & Fauna. Map Skill: Locate Ganga , Brahmaputra plains, Town/cities
	10	Life in the Temperate Grass Lands	Life/People, Climate, Flora & fauna in Prairies and in the Veld.

درجہ ہفتم: بہارستان اُردو

تقسیم نصاب و میقات برائے امتحان	عنوانات	تدریسی طریقہ کار و مشق	آموزشی ماحصل
جراؤل ۱۳ دسمبر	ترا نہ وحدت ماحولیاتی توازن اخلاق نبیؐ	تدریس اسباق صحیح تلفظ کے ساتھ، ہم آواز الفاظ کی شناخت ہی، الفاظ کو جملوں میں استعمال، اسباق پڑھتے وقت عملی قواعد کا استعمال۔ اپنی بات اور خیالات کو آزادی سے پیش کرنے کی اجازت دی جائے۔ معنوں کے لحاظ سے اسم کی قسمیں، بناوت کے لحاظ سے اسم کی قسمیں، مضامین اور خطوط نگاری، اپنے دوست و احباب کو مختلف خط لکھنا۔	دوسروں کی باتوں اور خیالات کو سن کر اپنے انداز سے بیان کرتے ہیں۔
نور دوم ۱۱ اپریل	نعت، بھلے اور بُرے کی پہچان شری رام چندر جی	درسی اسباق کی تدریس مع توشیحات، طلباء سے اسباق کی بلند خوانی اور خاموش خوانی کرائی جائے۔ میڈیا فلم، گھر، بازار وغیرہ سے متعلق زبان کے مختلف بیروں کو سمجھانے کے لئے گفتگو اور بحث و مباحثہ کے لئے ماحول فراہم کرایا جائے۔ فعل کی تعریف اور اس کی قسمیں	ڈرامائی مکالمات صحیح تلفظ اور مہارت کے ساتھ ادا کرتے ہیں۔



درجہ ہفتم: بہارستان اُردو

تقسیم نصاب و میقات برائے امتحان	عنوانات	تدریسی طریقہ کار و مشق	آموزشی ماہی حاصل
میقات اول ۳۱ مئی تا ۷ جون	قلم، شاہد ان، ڈاک کا انوکھا ٹکٹ، تین کہانیاں کرگل سے سرینگر تک	سبق کی مکمل تدریس مع تفسیم و توضیح، اشعار کی تشریح، نثری سبق اور نظموں کا خلاصہ، قواعد، زمانے کے لحاظ سے فعل کی قسمیں۔ فعل، فاعل، مفعول۔ مختلف عنوانات پر مضامین، مختلف قسم کے خطوط لکھوانا۔ محاورات مع معنی اور استعمال۔	طلباء نظموں اور گیتوں کو موزونیت کے ساتھ ادا کرنے کے علاوہ اُن کا تجزیہ کرتے ہیں۔
بہر موسم ۲۳ تا ۲۶ جولائی	پندے کی فریاد نیون کا کارنامہ بہ زہامہ کی تاریخی اہمیت	سبق کی مکمل تدریس تفسیم و توضیحات۔ واو معروف، مجہول اور معدول کا استعمال، مضمون نویسی، خطوط نگاری، کالمہ آرائی کی مسلل مشق۔ قواعد حروف اور اقسام حروف۔ طلباء سے گروپ میں مختلف موضوعات پر بحث و مباحثہ کرایا جائے۔	طلباء نثر اور نظم کی الگ الگ شناخت کرتے ہیں۔
میقات دوم ۲۵ تا ۲۵ اکتوبر	ہمارا وطن، سائنس اور جنگ، کشمیر کے دلکش باغات، آدمی نامہ، اولیٰ کبھیل	تدریسی سبق مع تفسیم و توضیحات۔ اشعار کی تشریح اور نثری اقتباسات کی سلیبس۔ قواعد۔ حروف کے اقسام کی جانکاری۔ مضامین، خطوط، کالمہ اور مباحث کی مشق۔ تحریری مقابلوں کا انعقاد۔ ادب کے حالات زندگی۔ اسم معرفہ کے اقسام۔	طالب علم مختلف شخصیات کے حالات زندگی بیان کرتا ہے۔

