

**DISTRICT INSTITUTE OF EDUCATION AND TRAININGS
KULGAM**

Syllabi and Courses of Study

Class 7th

Session 2019

PREFACE

Based on the findings of NAS 2017 and the suggestions received from the field teachers and other stakeholders, District Institute of Education & Trainings, Srinagar 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 of the district as well as of the valley. Among the different activities and programmes of DIETs, the development of syllabi-cum-unitization is aimed at working out an academic schedule for the schools. The schedule facilitates the schools to plan their activities with an eye on learning objectives so that the academic calendar is meaningfully utilized in teaching and learning throughout the session.

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.

Principal
DIET, Kulgam

Guiding Principles of Curriculum Development:

- *Connecting knowledge to life outside school.*
- *Ensure that learning is shifted away from rote & rote methods.*
- *Enriching the curriculum for overall development of children rather than 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 Beti Bachau beti Padhau</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>	

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%

English

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 15%	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 interferential 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.
3		Three questions	<ul style="list-style-type: none"> Infers the meaning of unfamiliar words by reading them in context. 	<ul style="list-style-type: none"> Think critically on inputs based on reading and interaction and try to suggest solutions to the problems raised.

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.
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 along with punctuation marks.
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	<p>Asks and responds to questions based on texts (from books or other resources) and out of curiosity.</p> <p>Thinks critically, compares and contrasts characters, events, ideas, themes and relates them to life.</p> <p>Writes formal letters, personal diary, list, e-mail, Writes dialogues from stories and stories from dialogues.</p> <p>Visits a language laboratory and writes a book review.</p>	<ul style="list-style-type: none"> Summarize orally and in writing a given text, story or an event. <p>Think critically or inputs based on reading and interaction and try to provide suggestions, solutions to the given social issues.</p> <p>Attempt creative writing, like stories, poems, dialogues, etc. Learn vocabulary associated with various professions.</p> <p>Visit a language laboratory and write a book review.</p>
2		The Bahu Fort		
3		To sleep		
4		The Gumbie Cat		
5		A Shadow		
6		Lalajee		

Mathematics

Course	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.
	Fractions and decimals	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. To be able to perform operations on decimals. To be able to compare decimals and fractions.
UNIT-II	Data Handling	To have the Skill of collecting, recording & organizing data and representing it graphically. To be able to calculate mean, mode and median of data and understanding their applications in day today life. To have the conceptual understanding of probability and its use.
	Simple Equations	To have the concept and understanding of equations. To have the ability to frame linear equations from statements and their solutions. To be able to apply simple equation/s in day to day life.
TERM-I	Lines and angles	To have the Conceptual understanding of point, line, line segment and the plane. To have the knowledge of different types of angles and their identification and importance in the surroundings. 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.
	The Triangle and its properties	To have the conceptual understanding of triangle and its elements. To have the conceptual understanding of exterior angle of a triangle and its property. Angle sum property of a triangle and its application to find some unknown angles To have the concept of altitude and perpendicular in a triangle. Right angled triangles and Pythagoras property and its application in the day to day life
	Rational Numbers	To have the conceptual understanding of rational numbers and their need. To be able to compare of rational numbers and their representation of a number line. To be able to identify rational numbers between two given rational numbers. (using given method) Operation on rational numbers. To have the understanding of the role of identities in the operation of rational numbers.
	Congruence of Triangles	To have the conceptual understanding of congruency in plane figures, line segments, angles and triangles. To have the knowledge of criteria for congruence of triangles (SSS,SAS,ASA,RHS). To have the knowledge of importance of congruency.

UNIT-III	Comparing quantities	To have the conceptual understanding of ratio, proportion & percentage and their conversion with each other. To be able to convert fractional numbers to percentage and vice versa. To have the concept of buying, selling, profit and loss and their calculation. To have the concept of simple interest and its application.
	Perimeter and Area.	To have the understanding of perimeter and be able to calculate the perimeter of different figures To have the conceptual understanding of the area and of the different shapes and its application in the field. (Geoboard mayhelp) 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.

Science

Unit / Term	Theme / Sub-theme	Learning Outcomes	Key Concepts (Syllabus)	Resources	Activities/ Assignment s/ Projects
U1	1 Nutrition in Plants	<i>Nutrition, Autotrophic and Heterotrophic nutrition; parasites, saprophytes; photosynthesis.</i>	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 Variegated leaves, alcohol, iodine Solution, kit materials	<i>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.</i>
	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 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 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. Lifehistory of silk moth.	Samples of wool and silk; brief account of silkworm rearing and sheep breeding	<i>Collection of different samples of woolen and silk cloth. Activities to differentiate natural silk and wool from artificial fibres. Field visit to be in woolen 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 Make a model of wind mill 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 need To measure it. Measurement of time Using periodic events. Idea of speed of 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 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.
U3	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.
				Common substances	<i>Testing solutions of common Substances like sugar, salt, vinegar, lime juice etc. with turmeric, litmus, china rose. Activity to show neutralisation.</i>
				Like sugar, salt, vinegar	
				Etc, test, tubes, plastic	

	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.	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>Experiments involving chemical reactions like rusting of iron, neutralisation (vinegar and baking soda), displacement of Cu from CuSO_4 etc. Introduce chemical formulae without explaining them. Making crystals of easily available substances like urea, alum, copper sulphate, etc. Using supersaturated solutions and evaporation</i>
		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		
	17 Forests : Our Life Line			Case material on forests, Films on wild life, TV programmes	<i>Case study of forests.</i>
			Forest products		
T2	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 L i g h t	<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>

<p>10</p> <p>Transportation in Animals & Plants</p>	<p>Herbs, shrubs, trees; Transport of food and water in plants; circulatory and excretion system in animals; sweating. Dialysis</p>	<p>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..</p>	<p>Twig, stain; improvised stethoscope; plastic bags, plants, egg, sugar, salt, starch, Benedicts solution, agno3solution</p>	<p>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</p>
<p>11</p> <p>Reproduction In Plants</p>	<p>Reproduction and its need. Asexual and sexual reproduction in plants, pollination : cross, self Pollination; pollinators, fertilization, fruit, seed.</p>	<p>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</p>	<p>Bryophyllum leaves, potato, onion etc.; yeast powder ,sugar.</p>	<p>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</p>
<p>12</p> <p>Electric Current & Circuits</p>	<p>Electric current. Electric circuit symbols for different elements of circuit. Heating effect of current. Principle of fuse. A current-carrying wire has an effect on a magnet. A current-carrying coil behaves like a magnet. 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, aluminumfoil., compass, battery. Coil, iron nail. Electric bell</p>	<p>Drawing circuit diagrams. Activities to show the heating effect of electric current. 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 Activity: to make an electric fuse. Activity:</p>

					precautions/ safety measures while handling electric devices project: Prepare an electromagnet
	18 Was te water story	Sewage; need for drainage/sewer systems that are closed.	Sources of water, defining wastewater or sewage, contaminants of waste water. Treatment of polluted water. Sanitation and some water Borne diseases.	Observation nd experience; photographs.	Survey of the neighbourhood, identifying locations with open drains, stagnant water, Tracing the route of sewage in your building, Project: Observe the sanitation pattern in the vicinity and advocate the reform

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				
	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 unionterritories. Activity :- List down the names of a few CMs in different states/UTs.
	07	ministrative 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.

URDU

درجہ ہفتم: بہارستان اُردو

تقسیم نصاب و میقات برائے امتحان	عنوانات	تدریسی طریقہ کار و مشق	آموزشی ماحصل
پہلا دور ۱۳ تا ۱۵ دسمبر	تراجم وحدت ماحولیاتی توازن اخلاق نبیؐ	تدریس اسباق صحیح تلفظ کے ساتھ، ہم آواز الفاظ کی نشاندہی، الفاظ کو جملوں میں استعمال، اسباق پر حاتمے 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۔
پہلا دور ۱۱ تا ۱۳ اپریل	نعت، بھلے اور بُرے کی پہچان شری رام چند راجی	درسی اسباق کی تدریس مع توجیحات، طلباء سے اسباق کی بلند خوانی اور خاموش خوانی کرائی جائے۔ میڈیا، فلم، گھر، بازار وغیرہ سے متعلق زبان کے مختلف پیراؤں کو سمجھانے کے لئے گفتگو اور بحث و مباحثہ کے لئے ماحول فراہم کرایا جائے۔ فعل کی تعریف اور اس کی قسمیں	ڈرامائی کلمات 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 ماہِ حاصل
میقات اول ۳۱ مئی تا ۷ جون	قلم، شاہد ان ڈاک کا نوکھا ٹکٹ، تین کہانیاں کرگل سے سرینگر تک	اسباق کی مکمل تدریس مع تنظیم و توثیح، اشعار کی تشریح، نثری اسباق 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۔	طلبا، نظموں اور گیتوں کو موزونیت کے ساتھ ادا کرنے کے علاوہ ان کا تجزیہ کرتے ہیں۔
جوسوم ۲۳ تا ۲۶ جولائی	پندے کی فریاد نیون کا کارنامہ ہرزبانہ کی تاریخی اہمیت	اسباق کی مکمل تدریس مع تنظیم و توثیح۔ 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۔	طلبا، نثر اور نظم کی الگ الگ شناخت کرتے ہیں۔
میقات دوم ۲۵ تا ۲۷ اکتوبر	ہمارا وطن، سائنس اور جنگ، کشمیر کے دلکش باغات، آدمی نامہ، اولنپک کھیل	تدریسی اسباق مع تنظیم و توثیح۔ اشعار کی تشریح اور نثری اقبالیات کی سلیبس۔ قواعد۔ حروف کے اقسام کی جانکاری۔ مضامین، خطوط، کالمہ اور مباحث کی مشق۔ تحریری مقالوں کا انعقاد۔ ادب کے حالات زندگی۔ اسم معرفہ کے اقسام۔	طالب علم مختلف شخصیات کے حالات زندگی بیان کرتا ہے۔

