

# **TAURIAN WORLD SCHOOL**

**Ranchi**



**Grade: IV**

**Curriculum 2017-18**

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## Subject: English

NO. OF PERIOD	TOPIC	SUB-TOPIC	LEARNING OBJECTIVES / SKILLS TO BE DEVELOPED	ASSESSMENT / ACTIVITIES	LEARNING OUTCOMES
30	Grammar	Revision - Previously learnt topics	To perceive student's prior understanding	Oral Q&A+Book exercise	Refresh and Recollect earlier learnt topics via integrated exercises
		Kinds of Sentences	Help students learn the concept of subject and predicate also the four kinds of sentences- Declarative, Imperative, Interrogative and Exclamatory	Group Activity-Sentence Strips	Learner will be able to identify subject and predicate in a sentence also construct and recognize different types of sentences
		Conjunction	Define name four coordinating conjunctions, recognize and use them correctly in sentences	Pen and Paper	Learner will be able to connect words or group of words in a sentence
	Writing	Punctuation(. , ! ? ' " )	Proper application and practice of , . ! ? ' " in sentences when writing	Worksheet	Practice using punctuations to mark out the meaning within sentences
		Dialogue Writing	Students will use correct punctuation of dialogue and develop a sensible conversation between two or more people on certain event/situation/topic	Group activity- Situational conversation(Written+ Oral)	Students will learn social skills, syntactic flow of feelings and proper use of punctuations simultaneously
	Literature- Course book & Workbook	Rumpelstiltskin	To inculcate in students a conversational ethic and humane values through the given themed play/story and help them think creatively	Writing conversation, Role play and Intonation activities	Learners will be able to read, write, speak and think creatively also study-skills and vocabulary will be practiced and enhanced.
		I Asked the Little Boy Who Cannot See		Describing objects while blindfolded	

NO. OF PERIOD	TOPIC	SUB-TOPIC	LEARNING OBJECTIVES / SKILLS TO BE DEVELOPED	ASSESSMENT / ACTIVITIES	LEARNING OUTCOMES
30	Grammar	Nouns : Compound, Collective, Concrete, Abstract, Countable and Uncountable	Identify and define different types of nouns	Written	Students will distinguish nouns from other words and correctly categorize them according to their types
		Prepositions	Define and demonstrate correct usage of prepositions	Dumb Show Partner Activity	Learner will be able to identify the relationship between the noun and the prepositions along with its correct usage
	Writing	Diary Writing	Daily diary entry(individually)for the new academic session	Weekly Proof Reading	Inculcate writing habit
		Letter Writing-Formal	Define label parts of formal letter and write one using standard block style format	Worksheet	Students will learn how to write a formal letter using business formatting standards
		Punctuation ( ' " )	Proper application and practice of ' " in sentences when writing	Worksheet	Practice using punctuations to mark out the meaning within sentences
	Literature- Course book & Workbook	Grandpa Fights an Ostrich	To inculcate in students a conversational ethic and humane values through the given themed play/story and help them think creatively	Pen and Paper	Learners will be able to read, write, speak and think creatively also study-skills and vocabulary will be practiced and enhanced.
		<i>Fireworks</i>		Letter writing activity	

NO. OF PERIOD	TOPIC	SUB-TOPIC	LEARNING OBJECTIVES / SKILLS TO BE DEVELOPED	ASSESSMENT / ACTIVITIES	LEARNING OUTCOMES
30	Grammar	Pronouns-General and Personal Pronouns	Students will understand that pronouns are words that replace nouns in a sentence. They will recognize general and personal pronouns	Written	Students will be able to state the definition, recognize and distinguish pronouns from other parts of speech and will use them correctly in their own writing
		Interjection	To understand word or phrase - an exclamation	Flash Card Activity	Students will learn expression of emotion.
	Writing	Diary Writing	Daily diary entry(individually)for the new academic session	Weekly Proof Reading	Inculcate writing habit
		Letter Writing- Informal	Explore the appropriate language and format associated with a formal letter	Written	Students will learn the differences in language and tone while writing formally and informally
	Literature- Coursebook & workbook	Taro and his Grandmother	To inculcate in students a conversational ethic and humane values through the given themed play/story and help them think creatively	Telephonic conversation, Story sequencing, pen and paper	Learners will be able to read, write, speak and think creatively also study-skills and vocabulary will be practiced and enhanced.

NO. OF PERIOD	TOPIC	SUB-TOPIC	LEARNING OBJECTIVES / SKILLS TO BE DEVELOPED	ASSESSMENT / ACTIVITIES	LEARNING OUTCOMES	
30		<i>An Elephant is Hard to Hide</i>				
	Grammar	Adjective : Qualitative, Quantitative and Demonstrative, Degrees of comparison	Students will define Adjective as describing words; generate a list of adjectives and classify their types. They will use three degrees of comparison	Story Writing (in groups)	Learners will be more descriptive in their writing	
	Writing	Diary Writing	Daily diary entry(individually)for the new academic session		Weekly Proof Reading	Inculcate writing habit
		Short Story	Students will compress their ideas and thoughts with coherency by using the given opening lines of a short story		Story telling-emphasizing on the elements and change of action	Learners will have better understanding of story elements and why they are important in every story. This will aid them in comprehension.
	Literature-Coursebook & Workbook	Mowgli	To inculcate in students a conversational ethic and humane values through the given themed play/story and help them think creatively	Pen and Paper, Worksheets, Group activity	Learners will be able to read, write, speak and think creatively also study-skills and vocabulary will be practiced and enhanced.	
		<i>Mish-Mash</i>				

NO. OF PERIOD	TOPIC	SUB-TOPIC	LEARNING OBJECTIVES / SKILLS TO BE DEVELOPED	ASSESSMENT / ACTIVITIES	LEARNING OUTCOMES
30	Grammar	Adverbs: Manners, Place and Time, Degrees of Comparison	Students will learn what are adverbs and which parts of speech they modify also its types and their appropriate usage	Written	Students will learn how adverbs give more information about other words and how, when and where something is done.
	Writing	Diary Entry	Daily diary entry(individually)for the new academic session	Weekly Proof Reading	Inculcate writing habit
		Essay Writing	Students will apply principles of clarity and coherence to sentences and paragraphs and write an expository or argumentative essay using appropriate style and structure.	Written	Learners develop their research, critical and analytical thinking skills.
	Literature- Coursebook & Workbook	Matilda Is a Prodigy	To inculcate in students a conversational ethic and humane values through the given themed play/story and help them think creatively	Written, Situational Activities	Learners will be able to read, write, speak and think creatively also study-skills and vocabulary will be practiced and enhanced.
		<i>If You Give a Mouse a Motorcycle</i>			

<b>NO. OF PERIOD</b>	<b>TOPIC</b>	<b>SUB-TOPIC</b>	<b>LEARNING OBJECTIVES / SKILLS TO BE DEVELOPED</b>	<b>ASSESSMENT / ACTIVITIES</b>	<b>LEARNING OUTCOMES</b>
30	Grammar	Verbs : Forms, The ing Form, The Past Participle and Perfect Tense - Agreement of verb with Subject - Transitive and Intransitive Verbs	Students will understand verb and its types; that verbs change form depending on their relationship to time. They will recognize the past, present and future tenses of regular and irregular verbs	Written	Demonstrate command of the conventions of grammar and usage when writing or speaking.
	Writing	Diary Entry	Daily diary entry(individually)for the new academic session	Weekly Proof Reading	Inculcate writing habit
	Literature- Coursebook & Workbook	Bambi, Yeti, Dr.Doolittle Learns a New Language	To inculcate in students a conversational ethic and humane values through the given themed play/story and help them think creatively	Pen and Paper, Written	Learners will be able to read, write, speak and think creatively also study-skills and vocabulary will be practiced and enhanced.



## Subject: Hindi

NO.OF PERIODS	TOPICS	OBJECTIVE	ACTIVITY	LEARNING OUTCOMES
5	<u>उत्कर्ष</u> <u>पाठ -1</u> यह है त्योहारों का देश (कविता)	शब्दार्थ - ज्ञान, कविता वाचन करना तथा स्मरण करना, अर्थ समझना, भावार्थ जानना, सही गलत का चुनाव करना।	कविता में जिन त्योहारों के नाम आएँ हैं उनकी तालिका बनवाकर कक्षाकक्ष में लगाना।	बच्चों को इस कविता से संस्कृति-समाज और रीति-रिवाजों के बारे में जानकारी प्राप्त होगी, परंपरा से जुड़ाव, उल्लास, उमंग-खुशी, परस्पर प्रेम, एकता की भावना आदि से परिचित होंगे।
6	<u>पाठ -2</u> <u>चिड़िया की बच्ची</u> (कहानी)	कहानी पठन, शुद्ध उच्चारण शब्दार्थ, कठिन शब्द, कथा क्रमबद्ध करना, किसने कहा, किससे कहा, प्रश्नोत्तर आदि।	पक्षियों के पंख इकट्ठा कर स्क्रीप बुक तैयार करना।	बच्चे इस पाठ से स्वतंत्रता के महत्त्व को समझेंगे, बच्चों में पशु-पक्षियों के प्रति प्रेम तथा मातृत्व जैसी भावना जागृत होगी और प्राणीजगत का सूक्ष्म अवलोकन कर पाएँगे।

NO.OF PERIODS	TOPICS	OBJECTIVE	ACTIVITY	LEARNING OUTCOMES
4	<u>व्याकरण</u> भाषा, वर्ण विचार,	भाषा की परिभाषा उनके रूप तथा भारत की अन्य भाषाओं का ज्ञान वर्णों की जानकारी देना, लिपि की जानकारी देना आदि।	हास्यकथा पर आधारित बच्चों से अभिनय करवाना।	बच्चे भाषा और उनके रूपों को जानेंगे। भाषा में लिपि के महत्व को जानेंगे। भाषा को कितने प्रकार से बोला जा सकता है, इसकी जानकारी प्राप्त करेंगे।
6	<u>पाठ -3</u> नौकरी की शर्त (हास्यकथा )	कहानी पठन, शब्दार्थ, कठिन शब्द, कथा क्रमबद्ध करना, किसने कहा, किससे कहा, प्रश्नोत्तर, वाक्यों को शुद्ध करके लिखना आदि।	गाँधी संबंधी गीतों, कविताओं का संकलन कर चार्ट पर लगाओ।	बच्चे इस पाठ से कारण-निवारण, समस्या-समाधान, मित्रता, सकारात्मकता, हास्य-विनोद, व्यंग्य, तर्क-वितर्क एवं आपसी संबंध जैसी भावनाओं को समझ पाएँगे।
5	<u>पाठ -4</u> दातुन बनी ईधन (प्रेरक प्रसंग)	कहानी पठन, शब्दार्थ, कठिन शब्द, प्रश्नोत्तर, पाठांश, वाक्यों को शुद्ध करके लिखना आदि।		इस पाठ के माध्यम से बच्चे पर्यावरण के प्रति जागरूकता, प्रदूषण के प्रति सजगता आदि मूल्यों से अवगत होंगे। वस्तुओं का सदुपयोग करना, मितव्ययता और प्रेम जैसी भावना बच्चों में जागृत होगी।

NO.OF PERIODS	TOPICS	OBJECTIVE	ACTIVITY	LEARNING OUTCOMES
3	<u>ल्याकरण</u> शब्द एवं वाक्य रचना	वर्णों को मिलाकर शब्द निर्माण के तरीके, उनके भेद, शुद्ध उच्चारण वाक्य की परिभाषा, उनके अंग तथा उपयोगों को जानेंगे।	कविता का अभिनय करते हुए सस्वर वाचन करें।	बच्चे इसके द्वारा सार्थक और निरर्थक शब्दों की पहचान करना सीखेंगे। उच्चारण के महत्त्व को जानेंगे। वाक्यों को शुद्ध रूप में लिखना सीखेंगे तथा उनके उद्देश्य और विधेय के बारे में जानकारी प्राप्त करेंगे।
6	<u>पाठ -5</u> सरकस का सिंह (कविता)	शब्दार्थ - ज्ञान, कविता वाचन कराना तथा स्मरण करना, अर्थ समझना, भावार्थ जानना, सही गलत का चुनाव करना, लय तथा तुकवाले शब्द, रिक्त स्थानों पूर्ति।	वर्गपहेली को हल करना।	हास्य, विनोद, हाज़िर-जवाबी, आनंदानुभव, पशु-जगत के प्रति संवेदना, प्रेम, अपनापन आदि भावनाओं से बच्चे अवगत होंगे।
5	<u>पाठ -7</u> अंडे के छिलके (एकांकी)	कहानी पठन, शब्दार्थ, कठिन शब्द, कथा क्रमबद्ध करना, किसने कहा, किससे कहा, प्रश्नोत्तर, वाक्यों को शुद्ध करके लिखना आदि।		बच्चे इस पाठ के माध्यम से जीव-जन्तु के प्रति संवेदना, प्राकृतिक संतुलन, प्रकृति-चक्र एवं जीवन-चक्र की जानकारी प्राप्त करेंगे।

NO.OF PERIODS	TOPICS	OBJECTIVE	ACTIVITY	LEARNING OUTCOMES
8	लयाकरण संज्ञा, लिंग	परिभाषा तथा उनके भेदों की जानकारी प्राप्त करना	चित्र सहित विज्ञापन तैयार करना।	संज्ञा एव लिंग की परिभाषा तथा उनके भेदों की जानकारी प्राप्त करेंगे।
6	पाठ -8 दीक्षा की देन (प्रेरक-प्रसंग)	कहानी पठन, शब्दार्थ, कठिन शब्द, कथा क्रमबद्ध करना, वाक्य-पूर्ति आदि करना।	सौरमंडल का मॉडल तैयार करना।	बच्चों में कल्पना करने की शक्ति का विस्तार होगा। विभिन्न ग्रहों की जानकारी प्राप्त करेंगे। देश प्रेम एवं स्वाभिमान की भावना जागृत होगी।
5	पाठ -9 गीत खुशी के (कविता)	अर्थ समझना भावार्थ जानना कविता स्मरण करना नई-नई खोजों के लिए प्रेरित करना।		बच्चों में समाज के प्रति अपने उत्तरदायित्व, संवेदना कुछ कर गुजरने का भाव, विनम्रता, चिंता, समाधान निकालना आदि भाव जागृत होगा।
9	लयाकरण वचन, सर्वनाम क्रिया, विशेषण	वचन, सर्वनाम, क्रिया, विशेषण की परिभाषा एवं उनके भेद।		वचन का प्रयोग करने से वाक्य किस प्रकार बदल जाते हैं इसकी जानकारी बच्चों को प्राप्त होगी। सर्वनाम का प्रयोग किस प्रकार करते हैं इससे भी बच्चे अवगत होंगे। वाक्यों में से सकर्मक और अकर्मक क्रिया को पहचानना जानेंगे। विशेषण तथा विशेष्य में अंतर स्पष्ट कर सकेंगे।

20	पुनरावृत्ति			
NO.OF PERIODS	TOPICS	OBJECTIVE	ACTIVITY	LEARNING OUTCOMES
6	पाठ -13 शरद का आकाश (कविता)	कविता वाचन सुर लय में पठन कविता का भावार्थ कठिन शब्द का उच्चारण कर पाएँगे। प्रश्नोत्तर, सही शब्द का चयन आदि।	अपनी पसंद की ऋतु के बारे में चार्ट पर दस पंक्तियाँ लिखकर कक्षा के बोर्ड पर लगवाना।	इस कविता के माध्यम से बच्चों में प्रकृति-प्रेम की भावना जागृत होगी तथा प्राकृतिक सुन्दरता बनाए रखने के लिए अपना प्रयास जारी रखेंगे।
4	व्याकरण पर्यायवाची शब्द, विलोम शब्द तथा अनेक शब्दों के लिए एक शब्द	दिए गए शब्दों के पर्याय शब्द एवं उनके विलोम शब्दों की जानकारी प्राप्त करना।		बच्चे इसमें पर्यायवाची शब्द, विलोम शब्द एवं अनेक शब्दों के बदले एक शब्द की जानकारी इकट्ठी करेंगे।
5	पाठ -14 शिक्षा (कहानी)	पाठ वाचन अपठित गद्यांश सही/गलत का चुनाव शब्दार्थ जानेंगे व कठिन शब्द का उच्चारण कर पाएँगे		बच्चों में तर्क-वितर्क की भावना का विकास होगा। शिक्षा के विभिन्न रूपों से अवगत होंगे। बच्चों में मानवता के प्रति आदर एवं प्रेम की भावना का विकास होगा।
2	व्याकरण विराम -चिह्न	प्रश्नोत्तर एवं नए-नए शब्दों का ज्ञान होगा।		

NO.OF PERIODS	TOPICS	OBJECTIVE	ACTIVITY	LEARNING OUTCOMES
5	पाठ -15 पहाड़ पुरुष (कहानी)	पाठ वाचन अपठित गद्यांश सही/गलत का चुनाव शब्दार्थ जानेंगे व कठिन शब्द का उच्चारण कर पाएँगे।		दृढ़निश्चय, कर्मठता, कठोरता, साहस, एकला चलो का भाव, समस्या-समाधान, लगन, संवेदनशीलता, विश्वबंधुत्व की भावना का विकास बच्चों में होगा।
6	ल्याकरण मुहावरे एवं पत्र लेखन	प्रश्नोत्तर एवं नए-नए शब्दों का ज्ञान होगा।		
5	पाठ -15 कमकम, प्लीज कम (हास्यकथा)	कहानी पठन, शब्दार्थ, कठिन शब्द, कथा क्रमबद्ध करना, किसने कहा, किससे कहा, प्रश्नोत्तर, वाक्यों को शुद्ध करके लिखना आदि।	नाटक कराना।	बच्चों को इस पाठ से अपना चरित्र- निर्माण करने में सहायता मिलेगी, वे नाम के महत्त्व एवं अर्थ को समझेंगे और उनमें हास्य-विनोद, समझाने की कला जैसी भावनाओं का विकास होगा।
5	ल्याकरण अनुच्छेद-लेखन एवं चित्र-वर्णन	नियम, विचारों को क्रमबद्ध करना, मुख्य विषय पर ध्यान केंद्रित रखना।		बच्चों की कल्पनाशीलता, सृजनात्मकता और लेखन-क्षमता का विकास होगा, बच्चे अपने विचारों का एक-दूसरे से जोड़ते हुए सरल व स्पष्ट शब्दों व वाक्यों में लिखना सीखेंगे।
20	पुनरावृत्ति			

## Subject: Science

NO. OF PERIOD	TOPIC	SUB-TOPIC	LEARNING OBJECTIVES / SKILLS TO BE DEVELOPED	ASSESSMENT / ACTIVITIES	LEARNING OUTCOMES
12	Food	The Food we Eat	<ul style="list-style-type: none"> <li>* Students will learn about why we need food</li> <li>*Nutrients in food and their importance</li> <li>* Importance of balanced diet.</li> <li>* Different methods used to preserve food</li> </ul>	<ul style="list-style-type: none"> <li>* Students will present a chart work on components of nutrients present in the food.</li> <li>* make of collage on balanced diet</li> <li>*pen and paper test.</li> </ul>	Students will be able to understand the nutrients and importance of food. Balanced diet and useful preservation techniques
10	Matter And Materials	Materials From The Earth	Students will learn about *Different types of stones and their uses. Clay and its uses. Metals, glasses and their uses	<ul style="list-style-type: none"> <li>*Students will collect different kinds of stones and will paste on empty cardboard box and will write its uses on sticky notes below it.</li> <li>*Pen and paper test.</li> </ul>	Students will understand the different types and nature of stones found in the earth crust and their wide applicability.
13		Soil	Students will learn <ul style="list-style-type: none"> <li>*Soil</li> <li>*Composition of soil and its types.</li> <li>*Its causes and effects of soil erosion.</li> <li>*Preservation of soil</li> </ul>	<ul style="list-style-type: none"> <li>*Students will give oral presentation on types of soil and soil profile.</li> <li>* pen and paper test</li> </ul>	Students will employ their knowledge as how soil is important for life. And extend their knowledge to preserve it
16		States Of Matter( Unit: Performing Arts )	Students will learn about <ul style="list-style-type: none"> <li>*Matter</li> <li>*Three different states of matter</li> <li>*Changes of states of matter</li> <li>*Solubility of solids in water</li> </ul>	Students will do the experiments to explain the characteristics of states of matter <ul style="list-style-type: none"> <li>*Chart work on 3 states of matter</li> <li>*Pen and paper test</li> </ul>	Students will understand what actually is matter its 3 states. And will extend their knowledge by applying as why solids are soluble in water

NO. OF PERIOD	TOPIC	SUB-TOPIC	LEARNING OBJECTIVES / SKILLS TO BE DEVELOPED	ASSESSMENT / ACTIVITIES	LEARNING OUTCOMES
13	The World Of The Living	Plants: Making And Storing Food	Students will learn about *Parts of leaf. *Photosynthesis in plants *Uses of plants as food. *Interdependence of plants and animals	*Chart work on parts of leaf *debate on interdependence of plants and animals *Pen and paper test	Students will understand different parts of leaf how its carries out photosynthesis and their interdependence
15		Plants: Living and Surviving( part included in unit : Ecosystem)	Students will learn about *Classification of plants on the basis of habitat. *Adaptation of different terrestrial plants. *Different Aquatic plants and their adaptation. * Adaptation for protection. *Unusual plants	*Chart paper work on different habitat of plants and oral presentation of the same. * Pen and paper test	Students will understand different habitat of plants and their modification and adaptation based on their habitat
15		Animals: Living and Surviving	Students will learn about *Importance of adaptation in different habitat *Adaptation for Food. *Adaptation for protection	*Poster making on save the tiger with suitable slogan *Pen and paper test	Students will be able to understand the importance of adaptation in different habitat in animals as how its necessary for protection.
15		Reproduction in Animals	Students will learn about *Mode of Reproduction *Care of young one *Life cycle of a hen, frog, butterfly and Cockroach	*Debate on viviparous and oviparous mode of reproduction *Pen and paper test	Students will be able to understand different ways of reproduction in animals and hence can connect with the life cycle of different animals



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18	The Human Body	The Human Body	Students will learn about *Organ system in human body. *Digestive system and its functions. *Respiratory system and its functions. *Teeth and Oral Care	*Awakening program on oral care. * Pen and paper test	Students will be able to connect the various organ system organization and its functions
12		Safety And First Aid	Students will learn about *Safety. *How to be safe with people around us. *Safety Rules in swimming and crowded places. * Importance of safety sign. * First Aid	*Chart presentation on safety sign *to prepare first aid kit *Pen and paper test	Students will understand the importance of safety and the various ways of implementing how to be safe in different locations and usage of first aid.
16	Moving Things, People And Ideas	Force, Work and Energy	Students will learn about *Force and its different types *Work *Different forms of energy and its sources	*Role play on different forms of energy conversion. *Demonstration of force and its types from day to day life *Pen and paper test.	Students will be able to understand what force all about is and will be able to employ their knowledge in order to reconnect it work

NO. OF PERIOD	TOPIC	SUB-TOPIC	LEARNING OBJECTIVES / SKILLS TO BE DEVELOPED	ASSESSMENT / ACTIVITIES	LEARNING OUTCOMES
10	Nature And Environment	The Earth and its Neighbours	Students will learn about * Solar system. *Layers of the Earth. *Rotation and Revolution of the Earth. * Seasons formations	*Model or diorama presentation on solar system. *Pen and paper test	Students will understand about solar system and will be able to able correlate will formation of day and night and seasons
14		Air, Water and Weather	Students will learn about *Weather. *To perceive Wind and how it blows. *Evaporation and condensation. *Investigate the formation of dew , frost and fog . * Water cycle	*Model or chart presentation on water cycle. *Pen and paper test	Students will be able to understand and explain about weather. And will be able to explain the process of evaporation and condensation along with water cycle
13		Keeping The Earth Clean ( Unit: Ecosystem )	Students will learn about * Environment *cause of pollution *Effects of pollution * Methods of prevention	*Chart paper on different types of pollution. *Awareness program on methods of prevention of pollution *Pen and paper test	Students will understand the importance of environment and will be able to employ their understanding on how to reduce the pollution and the importance of 3R's.

## Subject: Mathematics

NO. OF PERIOD	TOPIC	SUB-TOPIC	LEARNING OBJECTIVES / SKILLS TO BE DEVELOPED	ASSESSMENT / ACTIVITIES	LEARNING OUTCOMES
7	Place value	Indian value	*To identify place values of 6 digit numbers in Indian. *To compare and order numbers.	*Activity using place value chart and Maan card. *Group activity using flash cards.	*Develop number sense. *Effectively read large numbers. *Represent, in words, numbers which they see or hear. *Express a given numeral in expanded notation. *Round a given whole number to the nearest 10 and 100. *Convert Hindi-Arabic numbers till hundred to Roman numbers and vice versa. *Perform simple operations on Roman numbers till 39.
7		Rounding off	To round off numbers to nearest 10 and 100.		
7		Roman numbers	*To learn roman numbers till 100. *To perform simple operations on Roman numbers till 39.		
4	Operations on large numbers	Addition Subtraction	*To add and subtract numbers upto 5 digits.	*Group activity on multiplication tables. *Activity on adding and subtracting large numbers mentally.	*Demonstrate an understanding of operations on large number. *Apply mental mathematics strategies. *Demonstrate, with and without concrete materials, an understanding of multiplication and division to solve problems. *Use estimation strategies for performing the calculations. *Understand and follow the order of operations.
5		Multiplication	*To learn multiplication of 4 digit numbers by 2 digit numbers . *To learn multiplication of 3 digit numbers by 3 digit numbers.		
7		Division	*To learn division of 4 digit numbers by 2 digit numbers		

NO. OF PERIOD	TOPIC	SUB-TOPIC	LEARNING OBJECTIVES / SKILLS TO BE DEVELOPED	ASSESSMENT / ACTIVITIES	LEARNING OUTCOMES
5	factors and multiples	Divisibility test	To test the divisibility for 2, 3, 5, 6, and 10.	*Multiple board game on factors/ multiples ( using game board and dice). *To identify factors multiples of a given number.	*Test the divisibility of numbers. *Identify odd, even, prime, composite numbers. *Find the common factors and multiples of two or more numbers.
7		Prime factorisation	*To identify odd numbers, even numbers, prime and composite numbers. *To find prime factor of a number by factor tree.		
7		Factors	*To find factors by multiplication and division method. *To find common factors of two or more numbers. *To learn the properties of factors.		
7		Multiples	*To learn the properties of multiples. *To find common multiples of two or more numbers..		
18	Fractions	* Types of fractions *Comparison of fractions *Addition and subtraction *Conversion of fractions	*To learn and define types of fractions. *To compare like fractions and unit fractions. *To learn addition and subtraction of like fractions. *To convert improper fractions into mixed fractions and vice versa.	Activity on fractions using fraction kit.	*Identify and compare different types of fractions *Convert improper fractions into mixed and vice versa. *Perform operations on fractions, using real life examples.

NO. OF PERIOD	TOPIC	SUB-TOPIC	LEARNING OBJECTIVES / SKILLS TO BE DEVELOPED	ASSESSMENT / ACTIVITIES	LEARNING OUTCOMES
10	Decimals	Place value of decimals Conversion	*To describe and represent decimals till hundredth. *To convert fractions to decimals and vice versa.	Activity using Diene's blocks/ Base 10 blocks.	*Describe the value of each digit in a given decimal. *Represent a given decimal, using concrete materials, pictorial representation, or a grid. *Convert fractions into decimals and vice versa.
6	Measurement	Length	*To identify different units of length- millimetre, centimetre, kilometre. *To inter convert different units of length.	Activity using measuring tape to measure different length and convert into different units.	*Demonstrate an understanding of measuring length, weight and capacity. *Select and justify the use of different units. *Modelling and describing the relationship between various units of measurement.
6		Weight	*To identify different units of weight: milligram, centigram, kilogram. *To inter convert different units of weight.		
6		Capacity	*To identify different units of capacity- millilitre, centilitre, kilolitre. *To inter convert different unit of capacity.		

NO. OF PERIOD	TOPIC	SUB-TOPIC	LEARNING OBJECTIVES / SKILLS TO BE DEVELOPED	ASSESSMENT / ACTIVITIES	LEARNING OUTCOMES
3	Geometry	Lines	To define and identify types of lines, line segment and rays.	Activity on identifying different types of angles around us.	<ul style="list-style-type: none"> <li>*Identify lines and angles.</li> <li>*Measure and construct angles using protractor.</li> <li>*Identify the relation between radius and diameter of a circle</li> </ul>
5		Angles	<ul style="list-style-type: none"> <li>*To define and classify types of angles.</li> <li>*To construct angles using a protractor.</li> </ul>		
3		Polygons	To identify different types of polygons		
4		Circle	<ul style="list-style-type: none"> <li>*To identify different parts of a circle.</li> <li>*To derive a relation between the radius and the diameter.</li> </ul>		
7	Perimeter and area	Regular shapes	<ul style="list-style-type: none"> <li>*To find perimeter of regular shapes.</li> <li>*To find area and perimeter of square and rectangle using formula.</li> </ul>	Calculating area and perimeter using graphs.	<ul style="list-style-type: none"> <li>*Recognise the units of area and perimeter.</li> <li>*Find the perimeter and area of square and rectangle.</li> <li>*Solve problems involving these figures</li> </ul>
5		Irregular shapes	To calculate area of irregular shapes by counting squares		

<b>NO. OF PERIOD</b>	<b>TOPIC</b>	<b>SUB-TOPIC</b>	<b>LEARNING OBJECTIVES / SKILLS TO BE DEVELOPED</b>	<b>ASSESSMENT / ACTIVITIES</b>	<b>LEARNING OUTCOMES</b>
<b>3</b>	Shapes and pattern	Shapes	*To identify open and closed shapes. *To identify 2D and 3D shapes.	Activity on observing objects in nature and identifying their line of symmetry and mirror images.	*Identify lines of symmetry and mirror images for regular shapes. *Use patterns to describe the world and to solve problems
<b>5</b>		symmetry	*To identify symmetry in nature. *To identify line of symmetry and mirror images.		
<b>5</b>		patterns	To identify patterns and tessellations.		
<b>4</b>	Money	Addition and subtraction	To solve problems on addition and subtraction of money.	Transaction of money using money cards/fake notes and coins in classroom market.	*Perform operations on money *Solve word problems based on the topic.
<b>6</b>		Multiplication and division	To solve problems on multiplication and division of money by 2 digit numbers.		

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4	Time	Telling time Calendar	*To tell the time using words and digits, a.m. and p.m. * To calculate calendar days.	Activity on designing a time line to represent events occurring throughout the day.	*Add and subtract time intervals *Calculate elapsed time. *Convert 24-hour clock to 12-hours and vice versa.
4		12 hour and 24 hour format	To convert 24- hour clock format to 12- hour format and vice versa.		
5		Timeline Elapsed time	*To represent events using timeline. *To find the elapsed time by counting forward or by using a timeline.		
2	Data handling	Data collection and handling	To learn the methods of data collection and understand the importance of data handling.	*Conducting a survey and representing the data using bar graph/pie chart.	*Collect, display and analyze data to solve problems.
6		Pie chart and bar graph	*To represent data using pie chart and bar graph.		



## Subject: Social Science

NO. OF PERIOD	TOPIC	SUB-TOPIC	LEARNING OBJECTIVES / SKILLS TO BE DEVELOPED	ASSESSMENT / ACTIVITIES	LEARNING OUTCOMES
10	Our country India:	Political and physical division of India.	Learn about Location and extent of India Neighbouring countries Political division of India: States and union territories along with their capitals and locate them in Political Map of India. Physical features of land.	Short/Long question answers (Classwork & Homework), Reading with a purpose (making notes), Map reading of India (physical and political division).	Will understand and able to have an insight knowledge of India and locate different states and physical division on political and physical Map of India respectively.
	The Northern Mountains :	Importance Its parts and life in this region.	Location and extent of Northern Mountains. Its importance in determining the climate of India. Parts of the Northern Mountains :	Students will write a diary entry on any hill station if you have ever visited and mention the places of interest in that hill station, food habits and climate of the region.  * Students will make a poster showing picture and important information regarding the Northern Mountains.	Collect and gather information about life and culture of different states in northern mountain region. And location of Northern Mountains in Physical Map of India and comprised states on a political map.

NO. OF PERIOD	TOPIC	SUB-TOPIC	LEARNING OBJECTIVES / SKILLS TO BE DEVELOPED	ASSESSMENT / ACTIVITIES	LEARNING OUTCOMES
8	The Northern Plains	<ul style="list-style-type: none"> <li>• Importance of Northern Plains</li> <li>• Life in Northern Plains</li> </ul>	Learn about : Importance of Northern Plains and its climate that is suitable for agriculture and other economic activities . Parts of The Northern Plains : 1.The Satluj basin 2.The Ganga Basin 3.The Brahmaputra Basin Different states lies in the region their capital, climate, occupation , Language spoken.	Students will create a board showing the courses of the three rivers – Indus, Ganga, Brahmaputra and different dams built on different rivers.  -Group discussion on pollution of rivers.	Will be able to locate northern plains region on physical map and states lining on it on a political map.
	The Western desert		Location and extent of desert in physical map of India .State lies in it, Climate, vegetation and other features of India. Why life is difficult in desert? Occupations, crops, language, dressing and its famous tourist attractions.	Student will make a poster on “Save water” and its importance and how people living in deserts are facing problems due to0 shortage of water.	Will be able to assess the features and culture of desert area.

NO. OF PERIOD	TOPIC	SUB-TOPIC	LEARNING OBJECTIVES / SKILLS TO BE DEVELOPED	ASSESSMENT / ACTIVITIES	LEARNING OUTCOMES
13	The Southern Plateau:		<p>Location and extent of Southern Plateau and its part :</p> <p>1. Northern or Central Highlands .</p> <p>2. Southern / Deccan Plateau. Rivers and states fall in the region.</p> <p>Availability of mineral resources in the region.</p> <p>Life in the region: Capital, climate, minerals , agriculture and industries , Language spoken of the comprised states.</p>	Students will be divided in different groups and represent the different states found in Southern Plateaus.	Will be able to locate the plateau region in map and states and the area is rich in soil and minerals which promotes agriculture and industries.
	The Coastal Plains and the Islands :		<p>Learn about :</p> <p>Location and division of Coastal Plains into eastern and western coastal plains, states located in the area .</p> <p>Life in the coastal Plains. Occupation, crops, industries, tourist attractions of the states lying in it. What is Island? Two Islands found in India:</p>	<p>Children will create a coral corner in the class by using cut outs of corals, fish, sea, weeds, boulders and sand</p> <p>-Collage</p> <p>-ppt</p>	Will be able to locate the coastal plains and islands and states lies in the region on map and availability of mineral and other resources in the region.

NO. OF PERIOD	TOPIC	SUB-TOPIC	LEARNING OBJECTIVES / SKILLS TO BE DEVELOPED	ASSESSMENT / ACTIVITIES	LEARNING OUTCOMES
	Climate of India	Factors influencing the climate of a place : <ul style="list-style-type: none"> <li>• Temperature</li> <li>• Altitude</li> <li>• Rainfall</li> <li>• Wind</li> </ul> Different Seasons in different parts of the country .	Learn about: To differentiate between weather and climate ,factor etc.	Chart paper -Pen and paper test	Will able to understand the reasons of climatic changes.
13	Natural Resources of India:	Renewable and non-renewable resources.	Learn about : What are Natural resources? Types of natural resources: Renewable resources – air, water and sunlight etc. Non renewable resources – Petroleum, coal and minerals. Conservation of natural resources.	Role play where teacher will create a skit on need to conserve natural resources, scarcity of natural resources. -Form group and perform skit and make list of the topics	Will able to understand the availability of non renewable resources and need of its conservation.

NO. OF PERIOD	TOPIC	SUB-TOPIC	LEARNING OBJECTIVES / SKILLS TO BE DEVELOPED	ASSESSMENT / ACTIVITIES	LEARNING OUTCOMES
	Soils of India:	Formation of soil Different types of soils. Soil erosion, its causes and its conservation.	Formation of soil: Top layer of earth is called soil. Different types of soils found in different parts of India : <ul style="list-style-type: none"> <li>• Alluvial Soil</li> <li>• Black soil</li> <li>• Red soil</li> <li>• Laterite soil</li> <li>• Mountain Soil</li> <li>• Desert soil</li> </ul> Different types of soil	Chart paper presentation -Debate -Reflection tool -Ppt	Locate different types of soils on a physical map of India.
September	Revision End of 1st term	Revision	Revision	Revision	Revision
		End of 1 <sup>st</sup> term	End of 1 <sup>st</sup> term	End of 1 <sup>st</sup> term	End of 1 <sup>st</sup> term

NO. OF PERIOD	TOPIC	SUB-TOPIC	LEARNING OBJECTIVES / SKILLS TO BE DEVELOPED	ASSESSMENT / ACTIVITIES	LEARNING OUTCOMES
9	Forests and wildlife in India :	Importance of forests. Types of forests Conservation of forest. Wildlife in India	Learn about: Forest is one of the renewable natural resource. Importance of forests for oxygen it gives food and shelter and different products it avail. Different types of forests found in different regions of India. Conservation of forests Wildlife in India. Different national parks and sanctuaries situated in different states to save endangered species of animals.	Map work on an outline map of India, mark the different kinds of forests found in our country - Pen and paper test  -By graphic organizer children will differentiate between the parks	Will be able to locate different national parks in different states and understand about the importance of forest and its conservation.

NO. OF PERIOD	TOPIC	SUB-TOPIC	LEARNING OBJECTIVES / SKILLS TO BE DEVELOPED	ASSESSMENT / ACTIVITIES	LEARNING OUTCOMES
	Water resources in India :	Sources of water.	Need of water for survival. Area covered by water of the Earth's surface. Sources of water : Natural and Artificial resources. Perennial and non-perennial rivers. Dams built across different river in different states. And conservation of water.	Mind map, role play -Diorama -Pen and paper test	Will be able to understand importance and conservation of water and locate some important dams built in different states and their importance.
9	Mineral resources of India:	Types of materials Conservation of minerals.	Learn about : What is mineral? Metallic and non-metallic minerals found in different states of India, their examples and importance in different industries and need of its conservation as they are non – renewable resources.	Students will make a collage of the pictures of important things that are made using minerals (i.e metal and non metal)	Will be able to locate different minerals found in different states and understand the importance of minerals.

NO. OF PERIOD	TOPIC	SUB-TOPIC	LEARNING OBJECTIVES / SKILLS TO BE DEVELOPED	ASSESSMENT / ACTIVITIES	LEARNING OUTCOMES
	Agriculture in India:	Importance of agriculture Different crops grown in India Livestock rearing Fishing	Learn about: Agriculture and its importance. Types of crops - Cash crops and food crops grown in different states of India. Cattle rearing and fishing is done as occupation in different regions.	Field trip to know about the agricultural task, field and about the tools using by farmer  -to know about types of crops	Will be able to understand importance of agriculture and to locate different crops grown in different states.
10	Industries of India:	Types of industries	Learn about : Conversion of raw materials into finished products is called manufacturing and done in Industries. Classification of industries on the basis of size, types of machine they use and number of people working. Its merits and demerits.	Students will do some research work to know about industries -Reflection tools -will make Ppt	Will be able to locate different industries in different states.



NO. OF PERIOD	TOPIC	SUB-TOPIC	LEARNING OBJECTIVES / SKILLS TO BE DEVELOPED	ASSESSMENT / ACTIVITIES	LEARNING OUTCOMES
	Human resources of India:		Learn about : One of the important element in manufacturing a product is human resource . Types of human resource – Skilled and unskilled. And will know about the factors which hinder development of skilled human resources. Steps taken by government to develop skilled human resources.	Will draw a poster highlighting the need and important of human education. -will show some human resources	Will know about importance of skilled human resources for industries and growth of our country.
12	Transport and communication in India:	Types of transport Means of communication.	Learn about : Different means of transport – roadways, railways, airways and waterways. Importance of National and state highways. Different means of communication to exchange information faster and easier.	Students will make a collage of pictures of the different means of transport and will paste in the scrapbook.	Will be able to know importance of transport and communication for development of country.

NO. OF PERIOD	TOPIC	SUB-TOPIC	LEARNING OBJECTIVES / SKILLS TO BE DEVELOPED	ASSESSMENT / ACTIVITIES	LEARNING OUTCOMES
	Culture and Heritage of India:	Languages Architecture Paintings Protecting our heritage	Learn about heritage of India or the things we got from our ancestors. Languages spoken in different states, historical monuments found in different parts of India, cave paintings. Need to conserve it for our next generations to pass on our rich heritage.	Symposium to know about diverse culture in India -Chart paper presentation	Will be able to understand the rich culture and heritage of our country.
	Looking at the past:		Learn about: Indian History and its parts. And will study detailed about one of the part i.e. Ancient Period –Indus Valley civilization.	Reflection tools -Ppt -Collage making -Pen and paper test	Collect and gather information about ancient civilization.
11	Democracy in India:		Learn about : Constitution of India, its Preamble and the three levels of government working in India.	Debate -Role play	Will be able to know about the constitution of India and forms of government.

NO. OF PERIOD	TOPIC	SUB-TOPIC	LEARNING OBJECTIVES / SKILLS TO BE DEVELOPED	ASSESSMENT / ACTIVITIES	LEARNING OUTCOMES
	Rights and duties of an Indian citizen:		Learn about. Six fundamental rights for citizens of India listed by constitution of India. Fundamental duties to be performed by the citizens. And Directive principles.	Reflection tools -Ppt -Collage making -Pen and paper test	Will aware about the fundamental rights and duties of Indian citizens.
	Important Indian personalities		Learn about : Few famous personalities and brief information about their contributions to society -to bring social and religious reforms . -in the field of astronomy and mathematics and medicines.	Students will make a collage of pictures of the important personalities and will paste in the scrapbook.	Will be able to know the different personalities and their contributions in different fields.
March	Revision End of 2nd term	Revision	Revision	Revision	Revision
		End of 2 <sup>nd</sup> term	End of 2 <sup>nd</sup> term	End of 2 <sup>nd</sup> term	End of 2 <sup>nd</sup> term

## Subject: French

NO. OF PERIOD	TOPIC	LEARNING OBJECTIVES / SKILLS TO BE DEVELOPED	ASSESSMENT / ACTIVITIES	LEARNING OUTCOMES
6	Introduction of French culture  Alphabets, consonants and vowels	To provide them some facts about French culture so that they can get more attracted towards the French language	Quiz on the facts given	Students will learn a bit about the France and the French language
11	Revision of alphabets Numbers (0-80) Cardinal and ordinal numbers	To let them know the numbers and the types of numbers	Class test	Students will learn the numbers upto 80 and the cardinal and ordinal numbers in French
7	Revision of cardinal and ordinal numbers Formal dialogue Informal dialogue	To give them the idea about how to communicate in a formal and informal way	Worksheet and one on one discussion in French	Students will learn to communicate in formal and informal ways
9	Revision of formal dialogues Revision of informal dialogues Nationalities  Indefinite articles	To let them know the name of the countries and the nationalities in French and the introduction of indefinite articles will help them to know why we write un, une or des before a noun	Worksheet and class test	Students will learn the nationalities and indefinite articles in detail in French
7	Revision of nationalities Definite articles Possessive adjectives ( singular and plural form )	Possessive adjectives will help them in making sentences in which we want to show the possession	Worksheet and class test	Students will learn to show the possession over anything or anyone

<b>NO. OF PERIOD</b>	<b>TOPIC</b>	<b>LEARNING OBJECTIVES / SKILLS TO BE DEVELOPED</b>	<b>ASSESSMENT / ACTIVITIES</b>	<b>LEARNING OUTCOMES</b>
6	Revision of definite articles Revision of possessive adjectives La météo	It will help them in telling the weather	Handout and worksheet	Students will learn to tell the weather in French
8	Revision of La météo Prepositions Present something or someone	Prepositions will help them in making the sentences and they will also learn to present anything or anyone	Worksheet	Students will learn the articles
8	Revision of prepositions Conjugations of er verbs Avoir	Avoir and er ending verbs will help them in forming the sentences and also help them in the oral French	Handout and oral test	Students will get the idea of French verbs
11	Revision of er verbs Revision of avoir Festivals Cuisine Fashion	To let them know about the French festivals, French cuisine and French fashion.	Handout on all these topics	Students will know more about the French culture
23	Revision of all the topics taught in the whole academic year	It will help in their preparations for the final exam	Dictation, Oral test, quiz and presentation	Students will be ready to face the final exams