

# **TAURIAN WORLD SCHOOL**

**Ranchi**



**Grade: V**

**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
Unit-1 (30 periods)	Grammar	Revision- what we learnt so far	To revisit the important topics learnt in previous class	Flash cards - Pick a card, name parts of speech and use them in sentences	recollect what they learnt in the previous class through integrated exercises
		Adjectives - Its types	To make students describe nouns in their communications	Use an adjective to describe something in the classroom	use adjectives and its types to describe nouns while communication
	Literature- Coursebook & Workbook	Race of the Rivers	To connect the students with the story and help them improve their creative thinking.		Students will write their own stories, summarise and express their feelings using vocabulary from the story.

NO. OF PERIOD	TOPIC	SUB-TOPIC	LEARNING OBJECTIVES / SKILLS TO BE DEVELOPED	ASSESSMENT / ACTIVITIES	LEARNING OUTCOMES
Unit-2 (25 periods)	Grammar	Adverbs – Degree, Frequency, Interrogative, Reason, Affirmation, Negation	To understand the use at appropriate places to convey the exact meaning	Will describe the use in different situations	will learn when to use degree and frequency of adverbs ( extremely, always, etc) to convey their message
		Prefixes and Suffixes	To learn how a word can be extended meaningfully	Use them to make words and then further use them in a context	Learn how a word can be extended by their use
		Reflexive Pronouns	To help students use the substitutes for nouns	Identification and use	Use pronouns and its types in their communication (Verbal and Written)
		Creative Writing	Give opportunities to present their ideas creatively	How differently students can present their ideas on paper	think out of the box to bring their creative thinking on paper
	Literature- Coursebook & Workbook	The Boy Who Saved Holland	To connect students with the story and help them improve their creative thinking		Students will make sentences and express their feelings using words from the story.

NO. OF PERIOD	TOPIC	SUB-TOPIC	LEARNING OBJECTIVES / SKILLS TO BE DEVELOPED	ASSESSMENT / ACTIVITIES	LEARNING OUTCOMES
Unit-3 (30 periods)	Grammar	Possessive Adjectives and Possessive Pronouns	To understand the difference between the two topics	Fill in the blanks appropriately	Students will know the difference and the use of the two topics
		Conjunctions	Use them to make complete sentences	Will use them to connect two sentences	use different conjunctions at different places in a sentence (but, because, and, etc)
		Sentence- Its Components & types	To help students form simple and complex sentences with complete awareness of its components.	Underline the components and name them	learn and use the structure and components of sentences in their writing
	Writing	Creative Writing	Give opportunities to present their ideas creatively	How differently students can present their ideas on paper	think out of the box to bring their creative thinking on paper
	Literature- Coursebook & Workbook	My Shadow	To connect students with the poetry and help them improve their creative thinking	Fill in the blanks to complete the poem	Children will be able to connect with themselves

NO. OF PERIOD	TOPIC	SUB-TOPIC	LEARNING OBJECTIVES / SKILLS TO BE DEVELOPED	ASSESSMENT / ACTIVITIES	LEARNING OUTCOMES
Unit-4 (25 periods)	Grammar	Participles and Gerunds	To learn to enrich their communication	Test the learning by giving situations to them	use Gerunds in verbal and written communications
		Prepositions	To learn the correct use of prepositions while speaking	Will use prepositions in different situations	use them in their communication
		Active and Passive Voice	To help students learn how the subject and object changes with the voice of the verbs	Identify the change of subject and object as the voice changes	To help students learn how the subject and object changes with the voice of the verbs
	Writing	Essay Writing	To establish a connect between the ideas and expression on various topics	Students will express their knowledge, understandings and skills on a given topic	To establish a connection between the ideas and expression on the topics
	Literature- Coursebook & Workbook	The Case of Natty Nat	To connect the students with the story and help them improve their creative thinking.	Tell the story in your own words	The children will understand the plot

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Unit 5 (20 periods)		Direct and Indirect Speech	To learn how the quoted statements of the people are used in communications	Students will be asked to use the statements they hear from others and convert them into indirect	To learn how the quoted statements of the people are used in communications
		Contractions	To understand the concept of Contractions	Rewrite the sentences using contractions	To learn the use of Contractions
	Writing	Diary Writing	Inculcate habit of writing daily and thereby enhance their writing skills	Personal- daily entries	Inculcate habit of writing daily and thereby build and hone their writing skills
	Literature- Coursebook & Workbook	The Crocodile's Toothache	To connect students with the poetry and help them improve their creative thinking		Students will express their feelings using vocabulary they gain from the poetry.

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Unit-6 (30 periods)	Grammar	Revision	To help them recollect, remember and use the knowledge learnt before		To help them recollect, remember and use the knowledge learnt before
	Writing	Diary Writing	Inculcate the habit of writing daily and thereby build their writing skills	Personal- daily entries	Inculcate the habit of writing daily and thereby build and enhance their writing skills
		Letter Writing- Formal and Informal	To learn to interact with designated people in formal settings in writings	Students will write formal letters for different purposes (business, applications, etc)	To convey the messages in formal and informal settings
	Literature- Coursebook & Workbook	Snake Trouble	To connect students with the story and help them improve their creative thinking		Students will do questions and answers and other exercises on their own
		Unnikatha			

## Subject: Hindi

NO.OF PERIODS	TOPICS	OBJECTIVE	ACTIVITY	LEARNING OUTCOMES
7	<u>उत्कर्ष</u> पाठ-1) बड़े चलो, बड़े चलो (कविता)	पाठ 1. शब्दार्थ ज्ञान, वाचन, भावार्थ, प्रश्नों के उत्तर जानना	इस कविता के कवि के (सोहनलाल द्विवेदी) जीवन के बारे जानकारी जुटाकर परियोजना कॉपी तैयार करवाना।	पाठ 1. अहिंसा, वीरता तथा साहस से काम लेना, स्वतंत्रता का महत्व जानना, त्याग, कर्मठता, सकारात्मक एकजुटता, निडरता और समर्पण की भावना जागृत करना।
6	(पाठ-2) बालक चंद्रगुप्त (कहानी)	पाठ 2. शब्दार्थ ज्ञान, पठन पाठ, किसने कहा? किससे कहा?, वर्तनी, प्रश्नोत्तर	बालक चंद्रगुप्त के जीवन पर आधारित नाटक।	पाठ 2. इतिहासबोध, कर्तव्यबोध, निडरता बाल मनोविज्ञान, गुरु महत्व, वीरता, निर्भीकता, राष्ट्रभक्ति तथा राणनीति जानना
5	<u>व्याकरण</u> भाषा और व्याकरण, वर्ण विचार,	भाषा, व्याकरण, भेद, विशेषता। वर्णों की जानकारी देना, लिपि की जानकारी देना।		विभिन्न भाषाओं की जानकारी व्याकरण की उपयोगिता

NO.OF PERIODS	TOPICS	OBJECTIVE	ACTIVITY	LEARNING OUTCOMES
6	<u>उत्कर्ष</u> (पाठ-3) दौस्त का दौस्त अपना दौस्त (कहानी)	(पाठ-3) शब्दार्थ ज्ञान, पठन पाठ, वर्तनी, प्रश्नोत्तर	पशुपक्षियों को हमलोग कैसे और अच्छा जीवन प्रदान कर सकते हैं। अपने विचार व्यक्त करना।	बच्चों में आत्मरक्षा, दुश्मनों की समझ और संकट का सामना करने की क्षमता का विकास करना। पशु प्रेम की भावना जागृत करना। दया और सहानुभूति और देश प्रेम की भावना का विकास होगा। पशु प्रेम की भावना जागृत करना।
7	(पाठ-4) बुद्ध की करुणा (एकांकी)	(पाठ-4) शब्दार्थ ज्ञान, पठन पाठ, वर्तनी, प्रश्नोत्तर	महात्मा बुद्ध के जीवन, उपदेशों एवं बौद्ध धर्म के बारे में इंटरनेट से जानकारी जुटाकर प्रेजेंटेशन अथवा परियोजना तैयार करना।	
6	<u>व्याकरण</u> शब्द रचना, संज्ञा	शब्दों की रचना करना परिभाषा जानना शब्द उच्चारण उदाहरण एवं प्रयोग		

NO.OF PERIODS	TOPICS	OBJECTIVE	ACTIVITY	LEARNING OUTCOMES
11	(पाठ-5) हम तेरे आभासी में (कविता)	(पाठ-5) भावार्थ तथा शब्दार्थ ज्ञान, समान तुक वाले शब्दों की जानकारी, वर्तनी, प्रश्नोत्तर, कविता पाठ	यातायात के साधनों का सचित्र सूची बनवाना।	बच्चे विज्ञान के चमत्कार से अवगत हो पाएँगे। यातायात के नियमों की मूली - भाँति जानकारी हो पाएगी। प्रदूषण की रोकथाम के लिए उचित उपाय सोच पाएँगे। पारिवारिक संबंधों के विषय में सही जानकारी हासिल कर पाएँगे। प्रेम, त्याग तथा समर्पण की भावना जागृत हो पाएगी।
6	(पाठ-7) अब्बा (संस्मरण)  <u>व्याकरण</u> लिंग  वचन  कारक	(पाठ-7) शब्दार्थ ज्ञान, पठन पाठ, वर्तनी, प्रश्नोत्तर		बच्चे परिभाषा तथा भेद से अवगत हो पाएँगे। लिंग, वचन, कारक के कारण संज्ञा का रूप कैसे बदलता है बच्चे यह जान सकेंगे।

NO.OF PERIODS	TOPICS	OBJECTIVE	ACTIVITY	LEARNING OUTCOMES
6	<u>उत्कर्ष</u> (पाठ-9) चिट्ठी (कविता)	(पाठ-9) भावार्थ तथा शब्दार्थ ज्ञान, समान तुक वाले शब्दों की जानकारी, वर्तनी, प्रश्नोत्तर, कविता पाठ	चिट्ठी के कम प्रचलन के कारणों की चर्चा करवाना।  भारत के प्रसिद्ध शास्त्रीय गायकों का चित्रात्मक बुकलेट तैयार करवाना।	मानवीय संबंध एवं संवेदनाओं को समझ पाएँगे। प्रेम - स्नेह तथा अपनापन की भावना का विकास कर पाएँगे। संदेशों के आदान - प्रदान की शिक्षा प्राप्त कर पाएँगे। संगीत का महत्व जानना तथा किसी भी कार्य को पूरी लगन से पूरा करना तथा उस कार्य के लिए समर्पण, त्याग, एकनिष्ठता, कर्तव्यपरायणता तथा गंभीरता का विकास करना।
6	(पाठ-10) मिले सुरु मेरा तुम्हारा (जीवनी)	(पाठ-10) कहानी पठन शुद्ध उच्चारण शब्दार्थ कठिन शब्द शब्दकोश का प्रयोग भाव स्पष्टीकरण		
20	<u>पुनरावृत्ति</u>			
6	(पाठ - 13) प्रभु तुम मेरे मन की जानो (कविता)		सुभद्रा कुमारी चौहान की कविताओं को संकलित कर काव्यपाठ करवाना।	बच्चे सामाजिक बंधन तथा रूढ़ियों का विरोध करना सीखेंगे। सामाजिक एकता तथा सदभावना की स्थापना कर पाएँगे। विश्वास, आस्था और श्रद्धा को अपने जीवन में आत्मसात कर पाएँगे। बच्चे परिभाषा तथा भेद की जानकारी प्राप्त कर सकेंगे। अनुच्छेद से सर्वनाम तथा विशेषण को खोजकर ज्ञान और अधिक अर्जित कर पाएँगे।
6	<u>व्याकरण</u> सर्वनाम विशेषण			

NO.OF PERIODS	TOPICS	OBJECTIVE	ACTIVITY	LEARNING OUTCOMES
6	<u>उत्कर्ष</u> (पाठ - 14) अपराध (कहानी)	(पाठ - 14) कहानी पठन शुद्ध उच्चारण शब्दार्थ कठिन शब्द शब्दकोश का प्रयोग भाव स्पष्टीकरण	अपने भाई या बहन के साथ हुई झड़प को संवादात्मक शैली में लिखवाना।	बाल मनोविज्ञान को समझते हुए भावत्व प्रेम का विकास होगा साथ ही प्रायश्चित्त, पश्चाताप, करुणा, अपराध बोध तथा न्याय की भावना को समझ पाएँगे।
4	(पाठ - 15) बात आज की (झायरी)	(पाठ - 15) डायरी लेखन शुद्ध उच्चारण शब्दार्थ कठिन शब्द शब्दकोश का प्रयोग वाक्य पूरे करना		बच्चे परिभाषा तथा भेद की जानकारी प्राप्त कर सकेंगे।
6	<u>व्याकरण</u> क्रिया काल	परिभाषा भेद उदाहरण		बच्चे काल का अर्थ समझेंगे तथा यह भी जानेंगे कि काल के बदलने पर क्रिया का रूप कैसे बदलता है।

NO.OF PERIODS	TOPICS	OBJECTIVE	ACTIVITY	LEARNING OUTCOMES
6	<b>उत्कर्ष</b> (पाठ - 16) हमसे सयाने बालक (विदेशी कहानी)	(पाठ - 16) शब्दार्थ जानेंगे व कठिन शब्द का उच्चारण कर पाएँगे। पठन पाठ प्रश्नोत्तर		बच्चों की स्वभाविक शरारतें, खेल भावना, हास्य और मित्रता जैसी भावों से अवगत हो पाएँगे। पारिवारिक संबंधों को मजबूत कैसे रख पाएँगे यह जान सकेंगे तथा अपने आप में अभिमान तथा अहंकार की भावना ना आए। इस बात पर विचार कर पाएँगे।
6	<b>व्याकरण</b> पर्यायवाची शब्द विराम चिह्न			
7	<b>व्याकरण</b>  विलोम शब्द निबंध लेखन पत्र लेखन			पत्र, निबंध लेखन की विधि परिभाषा नियम शुद्ध उच्चारण।
7	<b>व्याकरण</b> अनेकार्थी शब्द  अनेक शब्दों के लिए एक शब्द			बच्चे एक शब्द के अनेक अर्थ जान पाएँगे बच्चे वाक्यांश के लिए एक शब्द समझ सकेंगे।
20	<b>पुनरावृत्ति</b>			

## Subject: Science

NO. OF PERIOD	TOPIC	SUB-TOPIC	LEARNING OBJECTIVES / SKILLS TO BE DEVELOPED	ASSESSMENT / ACTIVITIES	LEARNING OUTCOMES
12	Matter and Materials	States of Matter	<ul style="list-style-type: none"> <li>* Identify the states of matter based on the arrangement of molecule</li> <li>* Learn about effect of temperature on different states</li> <li>* Explore the effects of heating and cooling on a substance</li> <li>* Physical and chemical change</li> </ul>	<ul style="list-style-type: none"> <li>* Presenting the model of the three states of matter showing the arrangement of molecules</li> <li>* Experiments related to change of states and physical and chemical change</li> </ul>	<ul style="list-style-type: none"> <li>* Be able to describe the arrangement of molecule in different states of matter</li> <li>* Be able to correlate temperature and state of matter</li> <li>* Be able to distinguish between physical and chemical change</li> </ul>
10	Moving Things, People and Ideas Unit - Ancient Civilisation	Simple Machines	<ul style="list-style-type: none"> <li>* Identify and learn about simple machines</li> <li>* Understand the need of developing machines to make our work easier</li> <li>* Develop their thinking skills while observing the effect of increasing and decreasing the force on an object</li> </ul>	<ul style="list-style-type: none"> <li>* Create a chart or booklet based on the different examples of simple machines found around us, categorising the type and mention the uses</li> <li>* Make a model of a machine using different types of simple machine</li> </ul>	<ul style="list-style-type: none"> <li>* Be able to explain through demonstration the working and uses of different types of simple machines</li> <li>* Be able to apply the knowledge and working of simple machines to identify common objects which help to make our work easier</li> </ul>
10	Nature and Environment	The Sun, the Earth, the Moon	<ul style="list-style-type: none"> <li>* Acquire knowledge about sun and Earth</li> <li>* Learn about the structure of Earth</li> <li>* Develop the spatial awareness skill by learning about eclipses</li> <li>* Develop their research skills and explore various astronomers and satellites</li> </ul>	<ul style="list-style-type: none"> <li>* Make a model of Earth and its structure</li> <li>* Research information about the various astronomers and satellites and present it in the form of a chart or PPT</li> </ul>	<ul style="list-style-type: none"> <li>* Be able to understand the cause of different phases of moon</li> <li>* Be able to observe and present through diagrams the formation of eclipses</li> </ul>

NO. OF PERIOD	TOPIC	SUB-TOPIC	LEARNING OBJECTIVES / SKILLS TO BE DEVELOPED	ASSESSMENT / ACTIVITIES	LEARNING OUTCOMES
10	The Human Body Unit - Body System	Skeletal System and Nervous System	<ul style="list-style-type: none"> <li>* Understand the structure and function of skeleton</li> <li>* Study and identify the type of joints and muscles</li> <li>* Identify and learn about the parts of brain and understand the working of nerves, reflex action</li> </ul>	<ul style="list-style-type: none"> <li>* Visit the Biology lab and observe the structure of skeleton to locate all the joints</li> <li>* Make models of the human skeleton (whole or in parts) using different materials labelling the important parts</li> </ul>	<ul style="list-style-type: none"> <li>* Be able to employ communicative skills and engage in describing the working of bones and muscles</li> <li>* Be able to understand the interdependency between various organ systems</li> </ul>
10		Circulatory System and Excretory System	<ul style="list-style-type: none"> <li>* Identify and label the main components of circulatory and excretory system</li> <li>* Acquire knowledge about the circulation of blood in the body</li> </ul>	<ul style="list-style-type: none"> <li>* Make 2D or 3D models showing the flow of blood through the heart</li> <li>* Role play/Drama showing the working of both the systems</li> </ul>	<ul style="list-style-type: none"> <li>* Be able to identify and label the major parts of the circulatory and excretory system</li> <li>* Be able to present through verbal and written communication the working of different organ system</li> <li>* Be able to understand the need of excreting out waste from body</li> </ul>
12	The Human Body	Germs and Disease	<ul style="list-style-type: none"> <li>* Acquire knowledge about microbes</li> <li>* Investigate ways in which microbes are helpful and harmful</li> <li>* Learn about communicable and non-communicable diseases</li> <li>* Explore the reasons of spread of diseases and their prevention</li> <li>* Understand the importance of getting vaccinated</li> </ul>	<ul style="list-style-type: none"> <li>* Prepare a PPT or chart on some common communicable diseases, their cause, symptoms and prevention</li> <li>* Do case studies to identify the disease, by trying to understand the symptoms and listing the cause</li> </ul>	<ul style="list-style-type: none"> <li>* Be able to understand the cause of diseases and how they are spread</li> <li>* Be able to develop a sense of personal cleanliness and being more responsible towards keeping our surroundings clean</li> <li>* Be able to distinguish between communicable and non-communicable diseases</li> </ul>

<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>
12	Food	Food and Health	<ul style="list-style-type: none"> <li>* Identify the essential nutrients for the body, their roles and sources</li> <li>* Understand the need of a balanced diet</li> <li>* Identify and understand the cause of various deficiency diseases</li> <li>* Develop an awareness of the effect of lifestyle choices on health</li> </ul>	<ul style="list-style-type: none"> <li>* Prepare a diet chart customised for their age group in teams enhancing their social, presentation and organisational skill</li> <li>* Prepare a graphic organiser/chart presenting the nutrients, their sources and the respecting deficiency disease enhancing their presentation skill</li> </ul>	<ul style="list-style-type: none"> <li>* Be able to apply their acquired knowledge about nutrients to prepare a proper diet for a healthy living</li> <li>* Be more responsible towards their health and understand the consequences of their choices</li> </ul>
12	The World of Living	Types of Animals and Plants	<ul style="list-style-type: none"> <li>* Understand the need of classification/grouping</li> <li>* Identify the features of animals and plants belonging to different groups</li> <li>* Appreciate the diversity in animal and plant life</li> </ul>	<ul style="list-style-type: none"> <li>* Design a flowchart showing the classification of animals and plants</li> <li>* Role play/chart/drama/Venn diagram presenting the features of different animals and thus classifying them in different groups</li> <li>* Research, collect and classify various plants according to their features in a scrapbook</li> </ul>	<ul style="list-style-type: none"> <li>* Be able to develop their organisational skills by grouping plants and animals according to their features</li> <li>* Be able to compare and contrast the features of different animals</li> </ul>

NO. OF PERIOD	TOPIC	SUB-TOPIC	LEARNING OBJECTIVES / SKILLS TO BE DEVELOPED	ASSESSMENT / ACTIVITIES	LEARNING OUTCOMES
14		Plant Reproduction and Agriculture	<ul style="list-style-type: none"> <li>* Identify the different parts of a seed</li> <li>* Acquire knowledge about the process of seed germination</li> <li>* Investigate the conditions necessary for germination</li> <li>* Understand the importance of seed dispersal</li> <li>* Summarise the different modes of seed dispersal</li> <li>* Explore the different methods of plant reproduction</li> <li>* Learn about crops grown in India</li> <li>* Understand the need for protection and storage of crops</li> </ul>	<ul style="list-style-type: none"> <li>* Present their understanding in a chart or PPT about the process of germination</li> <li>* Locate the different places in India on a map where different crops are grown according to the soil condition and other factors</li> </ul>	<ul style="list-style-type: none"> <li>* Be able to develop their fine motor skills by drawing structure of a seed through observation and labelling them</li> <li>* Be able to present the process of seed germination through written and verbal communicative means</li> <li>* Be able to identify the crops grown in India and locate them geographically on a map</li> </ul>
12	Nature and Environment	Natural Disasters	<ul style="list-style-type: none"> <li>* Identify the different types of natural disasters</li> <li>* Develop the viewing and research skills by learning about the cause and consequences of any type of natural disaster</li> <li>* Develop an awareness of disaster management</li> </ul>	<ul style="list-style-type: none"> <li>* Research and present the disaster prone areas geographically.</li> <li>* Make posters based on disaster management to raise awareness of steps to be taken in case of a disaster</li> </ul>	<ul style="list-style-type: none"> <li>* Be able to present their understanding on the types of natural disasters through verbal or non-verbal communication</li> <li>* Be able to develop their social skills by adopting a role in unforeseen circumstances of natural disasters</li> </ul>

NO. OF PERIOD	TOPIC	SUB-TOPIC	LEARNING OBJECTIVES / SKILLS TO BE DEVELOPED	ASSESSMENT / ACTIVITIES	LEARNING OUTCOMES
8	The Human Body	Safety and First Aid	<ul style="list-style-type: none"> <li>* Understand the safety of an individual and community</li> <li>* Acquire knowledge about preventing different kinds of accidents</li> <li>* Acquire knowledge about first aid given in case of some common accidents</li> </ul>	<ul style="list-style-type: none"> <li>* Role play/Drama demonstrating the first aid given in case of some common accident</li> </ul>	<ul style="list-style-type: none"> <li>* Be able to develop their self-management skills and engage themselves in behaviour that avoids placing oneself or others at risk</li> <li>* Be able to present their understanding on different ways to deal with an accident</li> </ul>
14	Nature and Environment	Interdependence between Nature	<ul style="list-style-type: none"> <li>* Identify the living and non-living components of the ecosystem</li> <li>* Interrelationship between living and non-living things</li> <li>* Interdependence between plants and animals</li> <li>* Realise the importance of maintaining the balance in nature</li> </ul>	<ul style="list-style-type: none"> <li>* Make a flow chart in 2D or 3D (diorama) explaining the food chain</li> <li>* Role playing to explain the interrelationship between animals and plants thus enlisting the points for the same</li> </ul>	<ul style="list-style-type: none"> <li>* Be able to realise the interrelationship between living and non-living things</li> <li>* Be able to appreciate the interdependence between plants and animals</li> <li>* Be able to present through different communicative ways the effect of human activities on nature</li> </ul>
14		Air and Water	<ul style="list-style-type: none"> <li>* Identify the various components of air</li> <li>* Learn about the layers of atmosphere</li> <li>* Collect and record data, developing their research skills to investigate the properties of air and water</li> <li>* Understand and use simple processes for removal of impurities from water</li> </ul>	<ul style="list-style-type: none"> <li>* Make a diorama on the layers of atmosphere</li> <li>* Prepare for presentation orally or through PPT/chart listing the properties of air and water</li> </ul>	<ul style="list-style-type: none"> <li>* Be able to identify the various components of air and layers of atmosphere</li> <li>* Be able to list the properties of air</li> <li>* Be able to employ their communicative skills to engage in a discussion based on the importance of water purification</li> </ul>

NO. OF PERIOD	TOPIC	SUB-TOPIC	LEARNING OBJECTIVES / SKILLS TO BE DEVELOPED	ASSESSMENT / ACTIVITIES	LEARNING OUTCOMES
12		Changes in Our Environment	<ul style="list-style-type: none"> <li>* Acquaint themselves with the impact of human activities on the environment</li> <li>* Acquire knowledge about the gases that contribute to greenhouse effect</li> <li>* Investigate the cause of global warming</li> <li>* List steps to protect the environment</li> </ul>	<ul style="list-style-type: none"> <li>* Make posters with appealing slogans to raise awareness about the need of being eco-friendly</li> <li>* List and share ways to recycle things - make new useful items using old, unused materials</li> </ul>	<ul style="list-style-type: none"> <li>* Be able to understand the effect of various human activities on the environment</li> <li>* Be able to develop a sense of awareness about the need of being eco-friendly</li> <li>* Be able to identify the gases that harms the environment</li> <li>* Develop a sense of responsibility towards the environment and take action to protect the same</li> </ul>
12	Matter and Materials	Synthetic Materials	<ul style="list-style-type: none"> <li>* Identify synthetic materials</li> <li>* Understand how synthetic materials are made</li> <li>* Define the characteristics of various synthetic materials</li> <li>* Know the uses of synthetic materials</li> </ul>	<ul style="list-style-type: none"> <li>* Comparing the characteristics of different synthetic materials and finding out the advantages of one over the other</li> </ul>	<ul style="list-style-type: none"> <li>* Be able to present in description the advantages and disadvantages of various forms of synthetic material</li> <li>* Be able to raise awareness about plastics</li> </ul>
12		Rocks and Minerals	<ul style="list-style-type: none"> <li>* Investigate how rocks are formed</li> <li>* Identify and compare the different types of rocks</li> <li>* Observe and describe the unique physical characteristics of different types of rocks</li> <li>* Understand and appreciate the importance of fossil fuels</li> </ul>	<ul style="list-style-type: none"> <li>* Make a diorama demonstrating the rock cycle or present a drama on rock cycle.</li> <li>* Present a talk show discussing importance of fossil fuels or present a drama/perform hot seating to discuss the importance of fossil fuels</li> </ul>	<ul style="list-style-type: none"> <li>* Be able to develop their observation based thinking skills to identify and describe the different types of rocks</li> <li>* Be able to develop a sense of awareness towards the need of conserving fossil fuels</li> </ul>

## Subject: Mathematics

NO. OF PERIOD	TOPIC	SUB-TOPIC	LEARNING OBJECTIVES / SKILLS TO BE DEVELOPED	ASSESSMENT / ACTIVITIES	LEARNING OUTCOMES
6	Place value	Indian and International place value	<ul style="list-style-type: none"> <li>*To identify place values of 8 digit numbers in Indian and International system.</li> <li>*To convert from one system to another.</li> <li>*To compare and order large numbers.</li> <li>*To express numbers in expanded form</li> </ul>	<ul style="list-style-type: none"> <li>*Activity using place value charts and Maan card.</li> <li>*Activity on forming Roman number using the given symbols.</li> </ul>	Students will be able to: <ul style="list-style-type: none"> <li>*Develop number sense.</li> <li>*Effectively read large numbers.</li> <li>*Represent, in words, numbers which they see or hear.</li> <li>*Express a given numeral in expanded notation.</li> </ul>
4		Rounding off	<ul style="list-style-type: none"> <li>*To round off numbers to nearest 10, 100, 1000 and 10,000.</li> </ul>		Students will be able to: <ul style="list-style-type: none"> <li>*Round a given whole number to the nearest 1000 and 10,000.</li> </ul>
5		Roman numbers	<ul style="list-style-type: none"> <li>*To learn the rules for writing Roman numbers till 1000.</li> <li>*To perform operation on Roman numbers</li> </ul>		Students will be able to: <ul style="list-style-type: none"> <li>*Convert Hindi-Arabic numbers till thousands to Roman numbers and vice versa.</li> <li>*Perform simple operations on Roman numbers.</li> </ul>

NO. OF PERIOD	TOPIC	SUB-TOPIC	LEARNING OBJECTIVES / SKILLS TO BE DEVELOPED	ASSESSMENT / ACTIVITIES	LEARNING OUTCOMES
2	Operations on large numbers	Addition, subtraction	*To Add and Subtract numbers up to 7 digits	*Activity on multiplication using ganit mala.	Students will be able to: *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.
3		Multiplication	*To learn multiplication of 4 digits by 3 digits numbers		
4		Division	To learn division of 5 digit by 2 digit numbers		

NO. OF PERIOD	TOPIC	SUB-TOPIC	LEARNING OBJECTIVES / SKILLS TO BE DEVELOPED	ASSESSMENT / ACTIVITIES	LEARNING OUTCOMES
3	Factors and multiples	Divisibility test	To test the divisibility for 2, 3, 4, 5, 6, 8, 9, 10 and 11.	*Activity on factors by grouping of beads. *Forming rectangles of different dimensions on graph	Students will be able to: *Test the divisibility of numbers. *Identify prime, composite, co-prime and twin prime numbers. *Find the HCF and LCM of two or more numbers and use them to solve real life problems.
4		Prime factorisation	*To identify prime numbers, co-prime number, twin prime, and composite numbers. *To find the prime factorisation of a number.		
6		HCF	To find common factors of two or more numbers and their Highest Common Factor.		
6		LCM	To find common multiples of two or more numbers and their Least Common Multiple.		

NO. OF PERIOD	TOPIC	SUB-TOPIC	LEARNING OBJECTIVES / SKILLS TO BE DEVELOPED	ASSESSMENT / ACTIVITIES	LEARNING OUTCOMES
20	Fractions	<ul style="list-style-type: none"> <li>* Types of fractions</li> <li>* Addition and subtraction of fractions</li> <li>* Multiplication of fraction</li> <li>* Reciprocal of fractions.</li> <li>* Division of fractions.</li> <li>* Conversion of fractions into percentage</li> </ul>	<ul style="list-style-type: none"> <li>*To revise types of fractions.</li> <li>•*To compare like and unlike fractions</li> <li>*To learn addition and subtraction of unlike fractions and mixed fractions</li> <li>* To learn multiplication of fractions by whole number and a fraction</li> <li>* Learn to find reciprocal of fractions.</li> <li>* To learn division of fractions by whole number and a fraction.</li> <li>*to represent fractions as percent</li> </ul>	<ul style="list-style-type: none"> <li>*Activity using fraction strips.</li> <li>*Activity using Fraction kit to understand types of fractions and their operations.</li> </ul>	<p>Students will be able to:</p> <ul style="list-style-type: none"> <li>*Demonstrate understanding of fractions as a part of whole and as a part of a set.</li> <li>*Identify and compare different types of fractions</li> <li>*Perform operations on fractions, using real life examples.</li> </ul>
15	Decimals	<ul style="list-style-type: none"> <li>*Place value of decimals</li> <li>*Types of decimals</li> <li>* Comparison</li> <li>*Conversion into fractions and percentage and vice versa.</li> <li>*Addition, subtraction and multiplication of decimals.</li> <li>* Division of decimals</li> </ul>	<ul style="list-style-type: none"> <li>*To describe and represent decimals (tenths, hundredths, thousandths)</li> <li>* To identify the types of decimals</li> <li>* To compare decimals</li> <li>* To convert decimals into fractions and percent and vice versa.</li> <li>*To learn Addition, subtraction and multiplication of decimals.</li> <li>*To learn division of decimals by whole numbers.</li> </ul>	<ul style="list-style-type: none"> <li>Activity using decimal Maan cards to understand the place value.</li> </ul>	<p>Students will be able to:</p> <ul style="list-style-type: none"> <li>*Express orally and in written form the decimal for a given symbolic, concrete or pictorial representation of a part of a set, part of a region or part of a unit of measure.</li> <li>*Demonstrate an understanding of addition and subtraction of decimals</li> </ul>

NO. OF PERIOD	TOPIC	SUB-TOPIC	LEARNING OBJECTIVES / SKILLS TO BE DEVELOPED	ASSESSMENT / ACTIVITIES	LEARNING OUTCOMES
6	Measurement	Length	*To identify different units of length- millimetre, centimetre, decimetre, decametre, hectometre, kilometre. *To inter convert different unit of length.	*Activity on measurement using Standard and non standard units of measurement. *Construction of devices for measuring length, weight and capacity.	Students will be able to: *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, decigram, decagram, hectogram, kilogram. *To inter convert different unit of weight.		
6		Capacity	*To identify different units of capacity- millilitre, centilitre, decilitre, decilitre, hectolitre, kilolitre. *To inter convert different unit of capacity.		

NO. OF PERIOD	TOPIC	SUB-TOPIC	LEARNING OBJECTIVES / SKILLS TO BE DEVELOPED	ASSESSMENT / ACTIVITIES	LEARNING OUTCOMES
2	Geometry	Lines	To define and identify pair of lines (parallel lines, intersecting , perpendicular)	Project work on preparing a model of geometrical city.	*Identify different pair of lines and angles. *Measure and construct angles using protractor. *Identify and construct different types of triangles.
2		Angles	*To revise classification of angles. *To measure and construct angles using protractor		
7		Triangles	*To classify triangles on the basis of sides and angles. *To construct triangles.		
3		Circle	To construct and identify different parts of a circle.		
2		Quadrilaterals	To identify different types of quadrilaterals		
2	Perimeter, area and volume	Regular shapes	To find Area and perimeter of square and rectangle. To find volume of cube and cuboid.	Activity on area and perimeter using geoboards and graphs	*Find the perimeter and area of simple geometrical figures. *Solve problems involving these figures and figures related to them. *Find the volume of cube and cuboid.
3		Irregular shapes	To calculate area of irregular shapes by counting squares		
6		Compound shapes	To find area and perimeter of compound shapes		

NO. OF PERIOD	TOPIC	SUB-TOPIC	LEARNING OBJECTIVES / SKILLS TO BE DEVELOPED	ASSESSMENT / ACTIVITIES	LEARNING OUTCOMES
4	Shapes and pattern	Symmetry	*To understand and define line of symmetry. * To identify line of symmetry in regular polygons and circle. * To understand rotational symmetry.	Activity on making NETS of 3D shapes	*Identify lines of symmetry for regular shapes. *Design NETS for 3D shapes *Understand rotational symmetry for various shapes. *Use patterns to describe the world and to solve problems
4		NETS of 3D shapes	To identify and construct NETS of cube, cuboid, cone and cylinder.		
5	Money	Unitary method	To use the concept of unitary method to find the price of various objects.	*Activity on designing bills. *Understand the meaning of profit and loss through videos.	*Convert different units of money *Solve word problems based on the topic. * Use the concept of profit and loss to solve real life problems.
3		BILLS	To learn about the types of bills and their format		
8		Profit and loss	To understand the process of calculating profit and loss.		
5	Time	Conversion of time	To convert one unit of time to another.	Activity on time using flash cards	*Convert units of time *Add and subtract time intervals *Calculate elapsed time. *Solve real life problems on time.
8		Addition and subtraction of time	*To learn the process for addition and subtraction of time. *To calculate elapsed time.		

<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>
3	Data handling	Tally marks	*Collecting and Organising data. *Representing data using tally marks, pictograph, bar graph, line graph and pie chart. *To calculate angle measures for a pie chart.	Conducting a survey and represent the given data using a suitable graph.	Organize and represent data using different tools.
7		Pie chart			
3		Bar graph			
3		Line graph			
5	Mapping skills	*Directions *Mapping *Grid	*To identify different elements in a map. *To locate places or objects using grid.	Activity on observing a map and answering related questions.	Develop mapping skills

## Subject: Social Science

NO. OF PERIOD	TOPIC	SUB-TOPIC	LEARNING OBJECTIVES / SKILLS TO BE DEVELOPED	ASSESSMENT / ACTIVITIES	LEARNING OUTCOMES
10	A model of the Earth	Introduction -Latitudes ,Longitudes, Grid -Importance of Political and Physical Maps -Limitation of a globe -Language of maps, signs, symbols etc.	Students will get to know about the shape and size of the Earth. -Difference between a map and a globe -How to study a map for specific information -About imaginary lines -how to locate a place a map or a globe	Students will draw the route map, indicate the direction and mention the scale used to the draw map -Diorama	Students will be able to demonstrate, through oral and written communication, an understanding of the planet on which they live, the physiography of various countries, the imaginary lines drawn on globe to locate a place, the boundaries of countries and state etc.
4	Weather and Climate	factors influencing climate -Climatic zones	Students will get to know about the weather and climate, their differences, major zones. -Sea Breeze and land Breeze -Green House Effect	Chart making and Presentation -Pen and paper test	Students would be able to understand how and why there are variations in seasons, what is weather and climate and what role do they play in economy, habitation and occupation of people, its influence on agriculture etc. Demonstrate critical and analytical skills to interpret and predict weather systems using weather products(model result ,maps etc)

NO. OF PERIOD	TOPIC	SUB-TOPIC	LEARNING OBJECTIVES / SKILLS TO BE DEVELOPED	ASSESSMENT / ACTIVITIES	LEARNING OUTCOMES
7	The Democratic Republic of Congo	Introduction ,location, climate -Vegetation and wild life -Agriculture and Industries	Students will get know about the location, neighbours, rivers, landscape, climate, vegetation and wildlife of democratic republic of Congo -Economic resources -life of the people	Make a newsletter in the form of a collage depicting the following on respective sheets -Lifestyle ,forest of the country and wildlife of the country etc	Students get the information about the people of other country and society, their geography, their economy, culture and lifestyle.
12	The Land of the Hot Sun-Saudi Arabia	Introduction ,location, climate -Vegetation and Industries -Agriculture and life style -Important of Mecca and Medina	Students will get know about the desert areas -Natural resources, Economy, transport and life of people etc	Prepare a project report -collect some pictures depicting about the Saudi Arabian	Students will develop an informed familiarity with cultures of other parts of world. Social and Research skill will develop
10	The Grasslands -Prairies	Introduction, location, climate -Vegetation and Industries -Occupation and life style	Students will get to know Grasslands(open land spread over the large scale)	Diorama -Collage -Pen and paper test	Students would come to know different forms of biomes and their characteristics.
REVISION (End of 1st Term)		REVISION	REVISION	REVISION	REVISION
September		(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
8	Environment and Pollution	Description -Types of pollution -Effects and causes -Saving the environment	Students will get to know that how plants, animals and human beings are interdependent on environment -About wastes and 3R's- reduce, recycle and reuse. -Air, water, soil and noise pollution	Role play -Debate -Chart paper presentation -Reflection tools	To nurture the curiosity and creativity of the child particularly in relation to the natural environment. Critical Thinking and self management skill to be develop.
	Natural Disasters	Earthquake, Flood, Cyclone, Droughts	Children will know about natural disasters, their causes	-Role play	To develop awareness about environmental issues and dangers, what are their causes and steps required to manage such disasters.
			-about preparedness to face natural disasters	-Debate	
				-Chart paper presentation	
				-Reflection tools	

NO. OF PERIOD	TOPIC	SUB-TOPIC	LEARNING OBJECTIVES / SKILLS TO BE DEVELOPED	ASSESSMENT / ACTIVITIES	LEARNING OUTCOMES
8	Great People Never Die	Some Great Indians	-About the lives of the great leaders of the world	In a group activity students will choose the famous personalities and enact the dialogue between them highlighting each other's achievements.	Students shall be able to demonstrate thinking skills by analyzing, synthesizing, and evaluating historical information from multiple sources. They would be to appreciate the contribution of various leaders in shaping the polity of the world
			-About the lives of the some great Indians		
			-Contribution and significance etc		
5	United Nation	-Principles	Students will get to know about the UN	-Collage	To enable understanding of International Institutions in fostering peace and prosperity in the world
		-Main Organs	-Birth of UN, objectives	-Pen and paper test	
		-Achievements	-Agencies and their functions		
			-India and UN		

NO. OF PERIOD	TOPIC	SUB-TOPIC	LEARNING OBJECTIVES / SKILLS TO BE DEVELOPED	ASSESSMENT / ACTIVITIES	LEARNING OUTCOMES
4	Government	System of government in India	Children will get to know	Role play	Students will come to understand the concept of State and its various institutions which govern us. Students will also learn about their Rights as citizens of a state as well as their responsibilities and duties towards country.
		-Function of the judiciary system in India	-Union government (Lok Sabha, Rajya Sabha, President , Prime Minister)	-Reflection tools	
			-State government	-Debate	
			-Judiciary	-Pen and paper test	
6	British rule and the Revolt of 1857	The role played by British, unjust laws	Students will get to know that how British established their rule in India	- Role play	To enable students gather historical information and critical understanding of various forces which ruled our country and its impact upon our economy, culture and society
		-Importance and effects of the revolt	-How British rule changed after Revolt 1857	-Debate	
		-End of East India Company		-Chart paper presentation	
				-Reflection tools	

NO. OF PERIOD	TOPIC	SUB-TOPIC	LEARNING OBJECTIVES / SKILLS TO BE DEVELOPED	ASSESSMENT / ACTIVITIES	LEARNING OUTCOMES
6	The beginning of the freedom	Role played by social reformers	Children will know about social reformers and their contribution	Debate	To develop a critical appreciation of the role of great people who fought for the independence of our country, so that an element of respect develops for them among the students.
		-INC	-the beginning and growth of the national movement	-Scrapbook	
		-Swadeshi movement	-about the contribution of Mahatma Gandhi in the freedom struggle	-Reflection tools	
		-Revolutionaries		- In role play students can be asked to enact about Swadeshi Movement, Jallianwala Bagh etc	

NO. OF PERIOD	TOPIC	SUB-TOPIC	LEARNING OBJECTIVES / SKILLS TO BE DEVELOPED	ASSESSMENT / ACTIVITIES	LEARNING OUTCOMES
6	India wins freedoms	-Khilafat and Non-cooperation movement.	Students will get to know that how India won freedom	- Role play	To inculcate among the students an understanding of the hardships that our ancestors underwent so that we may leave in peace and prosperity, and enjoy freedom.
		-Dandi march and Civil Disobedience movement	-about the participation of people in different movement	-Reflection tools	
		-Quit India movement		-Collage	
				-Pen and paper	
	REVISION				
	(End of 2 <sup>nd</sup> Term)				

## Subject: French

NO. OF PERIOD	TOPIC	LEARNING OBJECTIVES / SKILLS TO BE DEVELOPED	ASSESSMENT / ACTIVITIES	LEARNING OUTCOMES
14	Introduction of French language  Alphabets Consonants and Vowels pronom subjects and numbers (0-100)	To provide them some facts about France and to revise the alphabets, numbers and the subject pronouns	Quiz and class test	Students will learn about French language and also revise the topics
10	Revision of alphabets Revision of numbers Faire Jouer Faire vs Jouer	To let them know the faire and the jouer verb	Class test	Students will learn the days of the week, self introduction and months in French
8	Revision of Faire vs Jouer Formal invitation  Informal invitation	To let them know how to write an invitation	Handout	It will enable them to send the invitations to their friends, teachers etc
10	Revision of formal and informal invitation Demonstrative adjectives  Avoir vs etre	To let them know how to demonstrate any person or anything	worksheet and class test	It will help them to distinguish the usage of etre and avoir verbs
8	Revision of etre vs avoir Definite articles Indefinite articles Mixed exercises on definite and indefinite articles	To let them know when and where do we use the definite and indefinite articles	worksheet and class test	Students will learn the usage of both the articles

<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 and Indefinite articles Some more "er" ending verbs and introduction of "re" verbs	To let them know the second category of verbs	Handout and worksheet	It will increase their vocabulary as well as their speaking abilities
7	Revision of re verbs Interroger Accents and their proper usage	These topics will increase their knowledge about the accents and enable them to ask questions	worksheet and class test	This will increase their proficiency in speaking French
10	Revision of accents and interroger Short paragraphs on friend, family and teacher	To increase their comprehension and writing	Handout and worksheet	Students will learn to talk about their friends, family and teacher
8	Civilization: French breads Monuments Napoleon	This will increase their knowledge of French culture and French civilization	Handout and visual aids	Students will know about the culture of France
15	Revision of all the topics taught in the whole academic year	It will help in their preparations for the final exam	Dictation, Oral test and quiz	Students will be ready to face the final exams