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Aims & Objectives of Curriculum

English

- To guide a child to learn English by introducing the letter and easy words in lower classes and focusing on development of effective communication using listening, speaking, reading and writing skill in higher classes.
- To help them develop an elegant cursive writing.
- To help learners read and understand simple words, phrases, sentences, paragraphs, recite rhymes and poems.

Mathematics

- To develop fundamental concepts of numbers, orders, units of measurements, size and shapes.
- To guide students to develop the ability to perform four basic operations.
- To develop special concepts and ability to use them.
- To help children to get accustomed to different shapes and symmetry of objects.

Bengali/Hindi

- Develop understanding of basic literature.
- Develop phonological awareness.
- Appropriate use of phrases, idioms, grammar, etc.
- To garner the willingness to learn the language for effective communication and be an ambassador of cultural intricacies.

EVS

- Develop and understanding of how the natural world around them functions.
- To garner appreciation for all the natural things and develop ownership to their own surroundings by resolving their curiosity towards different environmental issues.

Science

- Develop scientific curiosity among children about science and cultivate a scientific temper.
- To acquire knowledge, conceptual understanding and skills to solve problem and make decision.
- To help them learn scientific reasoning.

Social Studies

- To garner and understanding of functionality of the world, their natural surroundings and assist the child to explore their social and cultural environment.
- To make them law abiding adults.
- To foster the child interest in everything that is affecting the community.

Value Education

- To assist the child to become an adult of strong ethical ground and personality.
- Teach the ideas of integrity, cohesiveness, conformity, cohesion, virtue, gratitude and equality.
- To inculcate good habits and basic manners in child.



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Art & Craft

- To foster creative development in a child.
- To allow kids to enjoy the autonomy and take initiative in making something new and gain confidence in their work.
- To encourage creative expression of the child by stimulating imagination.

Computer

- To develop a working knowledge of computer technology, learn the facts and information about computers as well as the software used to make work easier.
- To guide students to learn MS- office for writing projects, making presentation, make simple computations using Word, Excel and PowerPoint.
- To develop the ability to read and store a large amount of data and knowledge for data analysis.

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Computer

UNIT:

Sl No	Content	Concept
1	Computers - Storage and	Measuring the computer memory and
	Memory Device	different storage devices and memory
2	GUI Operating System -	Understanding OS, components, setting of
	Desktop Management	background, mouse
3	Editing in Word 2016	Formatting and editing in Word 2016

TERMINAL:

Sl No	Content	Concept
1	Computers - Storage and	Measuring the computer memory and
	Memory Device	different storage devices and memory
2	GUI Operating System -	Understanding OS, components, setting of
	Desktop Management	background, mouse
3	Editing in Word 2016	Formatting and editing in Word 2016
4	Formatting in Word 2016	-Do-
5	The Internet – Web	Uses of Internet, advantages and
	Browser	disadvantages, safety and netiquette

PROJECT: Storage and Memory Device

FINAL:

Sl No	Content	Concept
1	Scratch - Introduction	Making games, animation with different
		blocks
2	Introduction to	Making different slides for presentation to
	PowerPoint 2016	audience using photos, shapes, videos,
		animation
3	Stepwise Thinking	Writing the working of any work step by
		step with drawing shapes (flowchart)
4	Features of File	Managing files and folders in computer, cut,
	Management	paste, moving of file and folders
5	The Internet – Web	Uses of Internet, advantages and
	Browser	disadvantages, safety and netiquette

PROJECT: The Internet - Web Browser

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ENGLISH LANGUAGE

UNIT 1:		
SL NO.	CHAPTERS	CONTENTS
1.	Noun	Understand the formation & function of different kinds of nouns
2.	Possessive noun	
3.	Regular and Irregular Verbs	Understanding the usage of action words
4.	Tag questions	Negative and positive questions
5.	Articles	To make known the concept of indefinite articles & definite articles
UNIT 2:		
1.	Modals	To understand the concept & usage of modal auxiliaries
2.	Some/Any/Every/No	
3.	Punctuations	To understand the concepts of punctuations.
4.	Quantifiers	
TERMIN	AL EXAM:	
SL NO.	CHAPTERS	CONTENTS
1.	Tense(Simple+Continuous)	To know about Simple Present+Past+Future, Present Continuous+Past Continuous+ Future Continuous
2.	Adjectives & Their Kinds	Understanding the kinds of adjectives like quality, quantity, number, demonstrative
3.	Comparison of Adjectives	Degrees of comparison such as positive, comparative & superlative
4.	Prepositions	Understanding the usage of prepositions to express relation between noun & other parts of sentence
5.	Genders	To make students know about the use of Masculine, Feminine & Neuter Gender
6.	Question words	
7.	Quantifiers	Revision
8.	Composition	
9.	Comprehension	
	Project- Adjective	
FINAL E	XAM:	
SL NO.	CHAPTERS	CONTENTS
1.	Adverbs & Their Kinds	Understanding the usage & placement of adverbs & their kinds like Manner, Place, Time
2	Tense (Simple + Continuous + Perfect)	To know about all the Continuous & Perfect tenses

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3.	Conjunctions	To know the usage & placement of joining words in
		sentences
4.	Subject-verb agreement	
5.	Pronouns and its kind	Usage of different pronouns such as personal, demonstrative,reflexive & emphatic
6.	Prefix and Suffix	To know about the group of letters used at the beginning or at the end of a word to form a new word
7.	Preposition	Revision
8.	Autobiography	
9.	Composition	
10.	Comprehension	
	Project- Adverb	

ENGLISH LITERATURE

UNIT1:

SL NO.	CHAPTERS	CONCEPTS
1.	The Railway children	Family is where love never ends
2.	The Violet	The earth laughs in flowers
3.	The Adventures of Tom Sawyer- chapter 1 (for reading only not included in the unit exam)	
UNIT 2:		
1.	The case of the missing water	Save mother earth
2.	Luke saves the whales	What do you know about sea animals!
3.	The Adventures of Tom Sawyer- chapter 2 (for reading only not included in the unit exam)	

TERMINAL:

SL NO.	CHAPTERS	CONCEPTS
1.	Black beauty at Birtwick Farm	Animals are pride we share this Planet with the
2.	The world of magical creatures	Let's go on flights of fantasy
3.	Going Downhill on a bicycle	Save mother earth
4.	The blue bird	No fun without adventures
5.	The Adventures of Tom Sawyer- chapter 3 and 4 and 5 (out of these 2 chapters are included in the exam, which shall be announced in the class under	



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teachers preference)	
Project - The world of magical creatures	

FINAL:

SL NO.	CHAPTERS	CONCEPTS
1.	Down the Rabbit Hole	No fun without adventures
2.	The story behind Winnie the Pooh	From the wild to the world of words
3.	The adventures of Robin Hood	Always try to help others
4.	Paper boats	From the wild to the world of world
5.	The Adventures of Tom Sawyer- chapter 6, 7,8, 9 and 10 (out of these 2 chapters shall be included in the exam which shall be announced in the class under teachers' preference)	
	Project - The adventures of Robin Hood	

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Science

UNIT1:	UNIT1:		
SL. NO.	CONTENT	CONCEPTS	
1.	Human body: Food we eat	Importance of food, Nutrients and their types; Balanced diet; How to avoid food wastage.	
2.	Measurement	Length, weight, capacity, time, temperature.	
UNIT 2:			
1.	Human body: The teeth	Teeth-types, structure, functions, care of teeth.	
2.	Air	Properties of air, composition of air, importance of air, air pollution, effects and prevention of air pollution.	

TERMIN	TERMINAL:		
SL. NO.	CONTENT	CONCEPTS	
1.	Human body: Digestive and Excretory System	The various organs of digestive and excretory system and their functions	
2.	Adaptations in plants	Terrestrial plants and their adaptations, aquatic plants and their adaptations, some special plants.	
3.	Materials and solutions	Definitions and examples of different processes of change of states of matter; methods of separation of substances.	
4.	Force: Push and pull	Properties, Different types of forces and their examples.	
	PROJECT: Human body: Digestive and Excretory System		

FINAL:		
SL. NO.	CONTENT	CONCEPTS
1.	Plants in the surroundings and environment	Parts of plants, Products obtained from plants.
2.	Adaptations in animals	Adaptations in animals according to their habitats, adaptations in body parts of animals according to their food habits.
3.	Light	Light-sources and properties; transparent, translucent and opaque objects; formation of shadows
4.	Friction as a Force	Definition, uses, advantages and disadvantages method to reduce friction.
	PROJECT: Light	

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MATH

UNIT1:		
SL. NO.	CONTENT	CONCEPTS
1.	Numbers	5 and 6-digit numbers, comparison, ordering, rounding of numbers, roman numerals
2.	Shapes	Observe and identify symmetry of line in the given pictures, reflective symmetry
3.	Mental maths- 7,8,12,14,59,62	
UNIT2:		
1.	Addition and subtraction	Addition with and without regrouping, practical applications, Subtraction of 4- digit numbers with and without regrouping, estimate difference, word problems
2.	Geometry	Line, shape, circle, relationship between the radius and diameter of a circle
	Mental maths- 16,18,50,51,53,54	

TERMI	TERMINAL:		
SL. NO.	CONTENT	CONCEPTS	
1.	Multiple and Factors	Concept of factors and multiples. Prime and composite numbers, HCF and LCM etc.	
2.	Multiplication	Multiplication by expanded notation method, by lattice method, by doubling, by 3 digit numbers, estimation, word problems.	
3.	Measurement	Measuring length, conversions etc.	
4.	Perimeter and area	Find perimeter of simple shapes, fine area of simple shapes.	
5.	Patterns	Extending a pattern	
6.	Mental maths- 24,25,27,28,30,45,46,48, 49,85,88,90,92,93,97		
	PROJECT: Perimeter and Area		

FINAL:		
SL. NO.	CONTENT	CONCEPTS
1.	Fractions	Different ways of fraction, equivalent fractions, estimation, comparing like and unlike fractions, addition and subtraction of fractions, proper and improper fraction.

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2.	Division	Long division, division with remainder, checking of division, word problems
3.	Time	Use of A.M. and P.M. about 12 hour band 24 hour clock, conversion, addition and subtraction of time .Concept of factors and multiples. Prime and composite numbers, HCF and LCM etc.
4.	Money	Addition, subtraction, Multiplication and division of money
5.	Data handling	Pictograph, bar graph, column graphs.
6.	Mental maths- 32,38,66,67,68,70,72,101, 102,108,110,112,117,120 PROJECT: Data Handling	

<u>SST</u>

UNIT1:	UNIT1:		
SL. NO.	CONTENT	CONCEPTS	
1.	I love my India	Life in the region	
2.	The northern mountains	Life in the region	
UNIT 2:			
1.	The northern and coastal plains	Life in the region	
2.	The southern plateaus and the islands	Life in the region	

TERMINAL:		
SL. NO.	CONTENT	CONCEPTS
1.	Our climate	Our country
2.	Our soils	Our country
3.	Agriculture	Our country
4.	Transport and communication	Our country
	Project- Our Country	

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FINAL:		
SL. NO.	CONTENT	CONCEPTS
1.	Our forests	Our resources
2.	Our water resources	Our resources
3.	Our rich culture	Past and present
4.	Our rights and duties	Past and present
	Project - Past and present	

2nd Language - Bengali

UNIT1:		
SL. NO.	CONTENT	CONCEPTS
1.	শ্রী অরবিন্দ (গল্প)	ঋষি অরবিন্দের সম্বন্ধে জ্ঞান লাভ
2.	বিপরীত শব্দ	শব্দের অর্থের বিপরীত অর্থ সম্বন্ধে ধারনা
3.	শব্দ	কথা বলার জন্য সবচেয়ে প্রয়োজনীয় সঠিক
		শব্দের প্রয়োগ
UNIT 2:		
1.	স্বাধীনতার সুখ (কবিতা)	স্বাধীনতার আনন্দ ও গুরুত্ব নিয়ে লেখা
		কবিতা
2.	ভবচন্দ্র রাজা ও গবচন্দ্র মন্ত্রী (গল্প)	রাজা ও মন্ত্রীর মজার গল্প
3.	শুদ্ধ বানান (ই,ঈ,উ,ঊ)	ঠিক ও ভুল বানান সম্বন্ধে ধারনা

TERMINAL:		
SL. NO.	CONTENT	CONCEPTS
1.	আমার জন্মভূমি (কবিতা)	কবির জন্মভূমির প্রতি ভালোবাসা
2.	কাগজ ফুলের গাছে (গল্প)	গল্পকথকের বাড়ির কাগজ ফুলের গাছের কথা
3.	গনগনির মাঠ (গল্প)	গনগনির মাঠ ও তার গল্প
4.	ছেলেবেলার দিনগুলি (গল্প)	গল্প কথকের ছেলেবেলার দিনের স্মৃতি
5.	বিদ্যুৎ আবিষ্কার (গল্প)	বিদ্যুতের আবিষ্কার নিয়ে হতে যাওয়া গল্প
6.	লিঙ্গ	লিঙ্গের ধারণা ও লিঙ্গের প্রকারভেদ।
7.	সমার্থক শব্দ	একই শব্দের অনেকগুলো মানে শেখা।
8.	পদ (বিশেষ্য, সর্বনাম)	নামপদ ও তার পরিবর্তে আমরা যে পদ ব্যবহার করে থাকি সেই সম্বন্ধে ধারণা
9.	বিপরীত শব্দ	একটি শব্দের উল্টো মানে কি সেই সম্বন্ধে জানা

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10.	অনুচ্ছেদ রচনা	বিভিন্ন বিষয়ে সম্পর্কে লিখন দক্ষতার বহিঃপ্রকাশ ঘটানো
11.	প্রকল্প:- বিদ্যুৎ আবিষ্কার	

FINAL:	FINAL:		
SL. NO.	CONTENT	CONCEPTS	
1.	অতি কিশোরের ছড়া (কবিতা)	কিশোর বয়স নিয়ে লেখা কবিতা	
2.	যখন ছোট ছিলাম (গল্প)	গল্পকথকের ছোটবেলার গল্প	
3.	সত্যি নয় (গল্প)	এক ভুতুড়ে বাড়ির গল্প	
4.	রাকুনের দেশে (গল্প)	দক্ষিণ আমেরিকার প্রাকৃতিক সৌন্দর্য ও রাকুন	
		নামক প্রাণীর গল্প নিয়ে লেখা	
5.	অঙ্কই ভগবান (গল্প)	গল্পকথক ও অংকের গল্প	
6.	বিশেষন	বিশেষ্য পদের পরিবর্তে যে পদ আমরা ব্যবহার	
		করতে পারি তা সম্পর্কে ধারণা	
7.	ক্রিয়া	বাক্যে ক্রিয়া সম্পূর্ণ আছে কিনা সে সম্বন্ধে ধারণা	
8.	বিরামচিহ্ন	ছেদ যতি চিহ্নের ব্যবহার	
9.	অনুচ্ছেদ রচনা	বিভিন্ন বিষয়ে সম্পর্কে লিখন দক্ষতার বহিঃপ্রকাশ ঘটানো	
10	10 প্রকল্প :- অঙ্কই ভগবান		

2nd Language - Hindi

UNIT1:	UNIT1:		
SL. NO.	CONTENT	CONCEPTS	
1.	कविता- भारत के बच्चे	देश प्रेम, साहस, दृढ़ निश्चय, इच्छा शक्ति और आत्मविश्वास	
2.	कहानी- ईदगाह	त्याग, पारवािरकि प्रेम, आदर वृद्धों की आवश्यकता पर ध्यान	
3.	व्याकरण -वर्तनी, वर्ण विचार	उच्चारण के अनुसार वर्णों का प्रयोग	
UNIT2:			
1.	कहानी- स्वामी विवेकानंद	सच्चाई ईमानदारी देश की संस्कृति महान विभूतियों पर गर्व और एकाग्रता।	
2.	कहानी- तरिंगा झंडा	देश प्रेम, देश की संस्कृति पर गर्व	
3.	व्याकरण- क)वर्ण विचार	वर्ण की परभाषा, तथा विभिन्नि आधार पर इस के भेद	

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	I — —	
14.	। ख) शुद्ध वर्तना	वर्तना का शुद्ध करना
	(1) 300 111 11	11. 11 34. 1 1 1

TERMI	TERMINAL:		
SL. NO.	CONTENT	CONCEPTS	
1.	कविता - चींटी और कबूतर	साहस परोपकार और सहयोग	
2.	कहानी – कबड्डी	देश प्रेम, लगन, सतत प्रयास, परिश्रम, स्वस्थ स्वस्थ जीवन शैली।	
3.	कहानी - केरलका निमंत्रण	भारतीय बहुमुखी संस्कृति को समझना, प्राकृति प्राकृति प्रेम	
4.	कहानी – अपना गाँव	वातावरण संरक्षण, स्वस्थ जीवन और शिक्षा के शिक्षा के प्रति रुचि	
5.	व्याकरण- शब्द विचार	शब्द की परिभाषा तथा भेद	
	विपरीत शब्द		
7.	निबंध- पुस्तकालय2.राष्ट्रीय झंडा 3. होली का का त्यौहार		
	परियोजना- खेलकूद का महत्व, आपका पसंदीदा खेल क्या है और क्यों		

FINAL:		
SL. NO.	CONTENT	CONCEPTS
1.	कविता- कदम्ब का पेड़	वात्सल्य, बाल सुलभ लीला का आनंद, प्रकृति और संगीत प्रेम
2.	कहानी- पानी अमृत है	वातावरण के प्रति जागरूकता, वैज्ञानिक दृष्टिकोण और और स्वस्थ जीवन शैली
3.	कहानी- आइजक न्यूटन	ज्ञान प्राप्ति, परिश्रम, लगन और कर्तव्य निष्ठा।
4.	कहानी – एवरेस्ट के साथ मेरी भेंट	साहस, कर्मठता, स्त्री- पुरुष समानता, गुरु जन और पथ प्रदर्शकों के प्रति आदर भाव
5.	व्याकरण- संज्ञा	संज्ञा की परिभाषा तथा भेद
6.	सर्वनाम-	सर्वनाम की परिभाषा, कर्म के आधार पर क्रिया के भेद भेद
7.	विराम चिन्ह	विराम चिन्ह से परिचय एवं इसका प्रयोग
8.	निबंध– 1. जल ही जीवन है 2. ईमानदारी 3. मदर टेरेसा	
9.	परियोजना- भारतीय वैज्ञानिक की की जीवनी तथा उनके द्वारा किए गए खोज	

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<u>G.K.</u>

TERMI	TERMINAL:		
SL. NO.	CONTENT	CONCEPTS	
1.	PG NO- 6, 7, 8, 9, 10, 7, 14, 15, 18, 19, 22, 24, 25, 27, 29, 30, 31		
FINAL:			
SL.	CONTENT	CONCEPTS	
NO.			
2.	PG NO – 32, 33,34, 35, 40, 41, 42, 48, 49, 50, 52, 53		

Value Education

TERM	TERMINAL:				
SL. NO.	CHAPTER	CONTENT	THEME		
1.	Discover how we feel on the inside	Expressing oneself common learning to be patient, being grateful	Self awareness		
2.	Mania find his Superpower	Positive thinking, peer pressure, enhancing focus on concentration	Self management		
FINA	L:				
SL. NO.	CHEPTER	CONTENT	THEME		
1.	The special painter	Saying no, body shaming,Inclusivity	Social awareness		
2.	Social awareness	Team spirit, managing conflicts, knowing people of the community	Relationship skills		

Drawing

TERM	TERMINAL:		
SL.	CONTENT	CONCEPTS	
NO.			
1.	Aquatic life		
2.	Beach View		

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3.	Cartoon Character(Mickey Mouse)	
FINAL:		
SL.	CONTENT	CONCEPTS
NO.		
1.	A Castle	
2.	A Village girl	
3.	Festival of Light - Diwali	

SUPW

TERM	TERMINAL:		
SL. NO.	CONTENT	CONCEPTS	
1.	Pg 7-19(exam pg 20)		

FINAL:		
SL. NO.	CONTENT	CONCEPTS
1.	Pg 22-40 (exam pg 35)	

Music

TERM	TERMINAL:		
SL. NO.	CONTENT	CONCEPTS	
1.	Biswapita tumi he probhu		
2.	Hark the herald		
3.	Away in a manger		

FINAL:		
SL. NO.	CONTENT	CONCEPTS
1.	Bind us together	
2.	Mangal Deep jele	
3.	Tumhi ho mata pita tumhi ho	