



“Education to Excel”

New Horizon Public School, Airoli

Syllabus : 2023 – 24

Grade : VIII

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Grade : VIII			Subject : English		
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मराठी अभ्यासक्रम २०२३ -२०२४

विषय :- मराठी

प्रथमसत्र (एप्रिल ते सप्टेंबर)

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		४ .	कविता :-पहाट (श्रुतलेखन) उपक्रम :-पहाटेच्या वातावरणाचे सूक्ष्म निरीक्षण करून तुमच्या शब्दात लिहा .		२६ -२८
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द्वितीयसत्र (ऑक्टोबर ते मार्च)

विषय :- मराठी

इयत्ता :- आठवी

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			शब्दरूप		
			धातुरूप		
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		2	प्रथमः कूपः		17-23
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			प्रत्ययाः		
			कारक – उपपद विभक्ति द्वितीया तः चतुर्थी		
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		6	एकं दिनं यापय गुजराते	45-51	
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घटकः	मासः	पाठ क्र.	विषयवस्तु :	पाठ्यपुस्तकम्	पृष्ठ क्रमाङ्कः
तृतीयः घटकः	अक्तूबर		पाठाः	नव – संस्कृतम्	
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			क्रियाकलाप- श्लोकान्त्याक्षरी ।		
			सन्धि (दीर्घ , गुण)		
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			क्रियाकलाप- सूचकफलकनिर्माणम् ।		
			व्याकरणम्		
		१२	कारक – उपपद विभक्ति पञ्चमी तः सप्तमी		
	जनवरी		पाठाः	नव – संस्कृतम्	
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			क्रियाकलाप- सचित्रविवरणलेखनम् ।		
		१५	प्रथमः प्लास्टिक- शल्यचिकित्सकः		102-108
			क्रियाकलाप- प्राचीनवैज्ञानिकानां पञ्चवाक्यानि ।		
			व्याकरणम्		
	फरवरी		वाच्य परिवर्तनम्		
			पुनरावर्तनम्		

Grade : VIII			Subject: Mathematics			
Term I						
Unit	Month	L. No.	Name of the Chapter	Name of the book	Pg. No.	
Unit 1	April	1	Rational Numbers Activity:Multiplication and division of Rational Numbers	NCERT	1-22	
		2	Squares and square roots Activity:Find the square of given number by grid paper (10x10 method): square tower		23-44	
	June	3	Cubes and cube roots Activity:Cube root clock		45-57	
		4	Exponents Activity: To explain the exponents by using paper folding		58-69	
		6	Algebraic expressions Activity: To prepare the Hanging door using Algebraic polynomial.		82-107	
Unit 2	July	7	Linear Equations in One Variable Activity: To create equation to get a certain amount by using coins.		108-122	
		8	Understanding Shapes Activity: Design or pattern using different quadrilaterals.		123-140	
	August	16	Graphs Activity: Locate 4 different points and identify the figure on graph paper		282-296	
	September		Revision and Half yearly Examination			
Term II						
Unit 3	October	11	Perimeter and area of plane figure Activity: Derivation of the formula of area of a rhombus.	NCERT	176-194	
		12	Surface area and volume Activity: To find the curved surface area of a cylinder.		195-210	
	November	13	Comparing Quantities Activity: Interlinked game where the answer obtained from previous question is used to solve the next question to complete the game.		213-241	
		14	Direct and Inverse Variations Activity: To learn the concept of direct proportion using coins		242-259	
	December	15	Data Handling Activity: Draw a pie chart on data collected in class on their favourite sports(any 4).		260-281	
		10	Construction of Quadrilaterals Activity: To find the area of the polygon		162-175	
Unit 4	January	5	Playing with Numbers Activity: To play some games with numbers.			72-82
	February		Revision and Yearly Examination			

Grade:VIII			Subject:Science			
Term I						
Unit	Month	Ls.No	Name of the Chapter	Name of the Book	Pg.No	
Unit 1	April	2	Microorganisms	Odyssey Science	19 - 35	
			Activity - 1. To study various microorganisms with the help of permanent slides 2. To observe the growth of fungi on bread.			
		4	Metals and Non Metals		50	
			Activity - To study the reaction of metals with dilute hydrochloric acid.			
	June	10	Force and Pressure		136-149	
			Activity - 1. To observe that liquid exerts equal pressure at the same depth and different pressure at different depth. 2. To prove that air exerts pressure.			
		4	Metals and Non Metals		57	
			Activity - To study the reaction of metals and non metals with oxygen and test the nature of oxides formed.			
Unit 2	July	11	Friction	Odyssey Science	150-157	
			Activity - To study factors affecting friction			
		7	Cell- Structure and Function		94 - 109	
			Activity - 1. Design and create a model of plant or animal cell 2. To observe plant cells using onion peel.			
		3	Synthetic Fibres and Plastics		38	
			Activity - Identifying fibres using burning test. 2. To compare the tensile strength of a natural and synthetic fibres.			
	August	16	Night Skyand Solar System		213-229	
			Design and create a working model of the Sun - Earth - moon to demonstrate the phases of moon. 2. Collect information on ISRO and its contribution to the space programme. 3. Spot a constellation in the sky . Observe it for few hours,every 30 minutes. Does it change its shape and make a note of it.			
		1	Production of Crops			1 - 18
			Project Lesson - Activity - 1. Presentation on the different irrigation practices in India. Also include the sources of water in different parts of India. 2. Making of compost.			
		18	Wise Use Of Natural Resources			243
			Acivity - 1. To carry out destructive distillation of coal. 2. To observe how vegetation gets trapped under sediments and makes layers of gas and oil.			
	September		Half Yearly Examination			

TERM II					
Unit 3	October	12	Sound	Odyssey Science	159-174
			Activity - 1. To study that sound travels in air and not vacuum. 2. To study that sound travels through strings.		
		8	Reproduction		110 - 122
			Activity - 1. To study binary fission in amoeba and budding in hydra or yeast with the help of permanent slides. 2. To observe different animals around you and make a list of viviparous and oviparous animals.		
	November	9	The Age of Adolescence		123 - 133
			Activity - 1. To study the Human Endocrine System 2. Design a handout on the adverse effects of smoking, drug abuse and consumption of alcohol.		
		13	Electricity and Circuits		175
			Activity - 1. To demonstrate the electrolysis. 2. To demonstrate electroplating.		
Unit 4	December	5	Combustion and Fuel	Odyssey Science	67
			Activity - 1. To study the various zones of the flame. 2. To investigate that attainment of ignition temperature is necessary for combustion.		
		14	Some Natural Phenomena		186-198
			Activity - To demonstrate electric charges. 2. To construct a simple electroscope.		
	January	15	Light		199-212
			Activity - To demonstrate refraction through a glass slab. 2. To verify the laws of reflection.		
		17	Pollution of Air And Water		230 - 242
			Activity - 1. Find out the details about the oil spills that occurred in the last decade . What environmental damage did the spills cause?		
		6	Conservation Of Biodiversity		83 - 93
			Project lesson - Activity - 1. Presentation on the work of organizations aimed at conservation of endangered species and prevention of poaching. 2. Find information and prepare a short report on Red Data Book.		
	February		Revision and Yearly Examination		

Grade : VIII			Subject : Social Science		
Term-I					
Unit	Month	L. no.	Name of the chapter	Name of the Book	Pg.No
Unit 1	April	1	Natural Resources (Geography) Activity: Best Out of Waste (Students will make something useful using discarded material)	Odyssey (Cambridge)	122-127
		1	When, Where and How (History)		01-07.
		1	The Indian Constitution (Civics)		229-235
		2	The Establishment of Company Rule(History)		08-18.
			Map (History)		62-65
	June	2	Understanding Secularism (Civics) Activity: Make a poster of your duties towards school.		236-240
		3	Rural Life and Society (History)		19-26
			Map (History)		66-71
		2	Land, Soil and Water Resources (Geography)		128-137
			Map (Geography)		04-10.
		6	The Revolt of 1857 (History) Activity: Collect information on the First War of Independence from www.newworldencyclopedia.org and make PPT on it.		42-49
			Map (History)		72-73
		3	Why do we Need a Parliament (Civics)		242-248
					138-149
Unit 2	July	3	Natural Vegetation and Wildlife (Geography)		12-15.
			Map (Geography)		50-57
		7	Education and British Rule (History)		254-260
		5	The Judiciary (Civics)		151-160
		4	Mineral and Power (Geography)		16-27
			Map (Geography)		161-168
		5	Agriculture: Types of Farming Geography)		28-36
			Map (Geography)		60-66
	August	8	Women and Reform (History)		74-75
			Map (History)		35-41
		5	Craft and Industries (History)		27-33
		4	Colonialism and Tribal Societies (History)		249-253
		4	Understanding Laws (Civics) Activity: Prepare a newspaper article on the Bhopal Gas Tradeegy of 1984		187-193
		6	Major Crops (Geography)		38-43
			Map (Geography)		
	September		Revision and Half Yearly Examination		

Term-II					
Unit	Month	L. No.	Name of the chapter	Name of the Book	Pg. No.
Unit 3	October	9	Challenging the Caste System (History)	Odyssey (Cambridge)	67-72
		9	Public Facilities (Civics)		285-290
		12	Disaster Management (Geography)		222-226
		7	Understanding Marginalisation (Civics) Activity: Debate - 'Reservation - its role in providing economic equality'		269-274
		7	Industries (Geography)		180-186
			Map (Geography)		44-47
	November	12	The Indian National Movement (1885-1919) (History)		91-99
			Map (History)		76-77
		9	India and the World (Geography)		195-204
			Map (Geography)		51-54
		6	Understanding Our criminal Justice System (Civics)		263-268
		13	The Indian National Movement (1919-1947) (History)		100-110
			Map (History)		77-78
Unit 4	December	10	Human Resources (Geography)		205-211
			Map (Geography)		56-61
		14	India After Independence (History)		111-119
			Map (History)		79-80
		8	Confronting Marginalisation (Civics)		276-284
		8	Major Industries (Geography)		187-193
			Map (Geography)		48-50
	January	10	Colonialism and Urban Change (History)		73-80
		10	Law and Social Justice		291-296
		11	Painting, Literature and Architecture		81-89
		11	Disaster: Natural and Human Made		212-226
	February		Revision and Yearly Examination		

Grade VIII			Subject : ICT	
Term I				
Month	Lesson no	Name of the topic	Name of the book	Page No.
April	1	Ms Excel -2013 : Working with Charts	Popular Cyber World	01 - 12
June	4	Artificial intelligence and Robotics		36 - 49
July	8	Advance HTML Tables and Forms		93 - 102
August	5	Computer Networking		50 - 61
September	Half Yearly Examination			
Term II				
October	2	Algorithm and Flowcharts	Popular Cyber World	13 - 25
November	3	Technologies in 21st century		26 - 33
December	10	Advance Python		116 - 123
January	6	Cloud Computing		62 - 70
February	Yearly Examination			

Grade VIII		Subject: Value Education		
Term I				
Month	L.No.	Chapter Name	Name of the Book	Pg.No.
April	1	Being Punctual poem on time	Lessons for Life	07-10
June	2	Being Regular An excerpt		11-14
	3	Living a Simple Life A poem again		15-18
July	4	Working in a Team Interesting news from here and there		19-23
	5	Giving Equal Rights An Article on equality		24-27
August	6	Knowing Universal Truths From a play		31-34
	7	Having Sympathy A poem on sympathy		35-38
September		Half Yearly Examination		
Term II				
Month	L.No.	Chapter Name	Name of the Book	Pg.No.
October	8	Being Responsible Corporate social responsibility	Lessons for Life	39-42
	9	Respecting Senior Citizens An article again		43-46
November	10	Being Grateful About a wonderful woman		47-50
December	11	Knowing More poem		56-59
	12	Learning to Abstain A collage of texts		60-63
January	13	Having Integrity poem		64-67
	14	Having a Common Identity A speech		68-70
February		Yearly Examination		

Grade: VIII		Subject: Art
Term I		
Month	Topic No.	Topic
April	1	Art Book
	2	6 shade Colour wheel-contrast colour colour scheme
June	1	Contrast Colour scheme-
	2	Symmetrical free hand Drawing.
July	1	Basic 3D Shape with poster colour- shapes Still life
	2	Perspective two point- Cube all side
August	1	Folk Art- Miniature Painting
	2	Memory Drawing
September		Half Yearly Examination
Term II		
Month	Topic No.	Topic
October	1	Creative Writing
	2	Creative face of Girl
November	1	Asymmetrical free hand drawing
	2	Landscape with Light house with Sketchpens
December	1	Book Cover Page-any Story Book
	2	Artist Copy drawing- M.F.Husane
January	1	Design in Leaf
	2	Absract drawing-Landscape
February		Yearly Examination

Grade VIII				Subject : Music	
Term I					
Month	Theory	Practical	Project	Events/Celebration	
April	Definitions	1.Formation of notes with numbers			
		2. Prayer song “Cause Me To Come”	Compose And Tune		
June	Raag:Yaman	1 .Dharti Akash Dono	Chart Making	Special School Anniversary Song	
		2. Chota Khayal			
July	Definition: Raag	Sargam Geet		Environmental Song	
	Taal & Laya			“Dharti Ka Dil’	
August		Marathi Prayer Song Satyashivaune Sundar Thay		Special Patriotic Song	
September		Ganpati Special Song		Teachers Day Song	
				“You The Ocean Of Knowledge”	
Term II					
Month	Theory	Practical	Project	Event/Celebration	
October	Different Forms And Styles Of Music	Performance In Group [Theme Based]	Chart Making		
				Diwali Special Song	
November	Biography Of Great Musician	1 .Dharti Akash Dono		Children’s Day Special Song	
		2. Chota Khayal			
December		Carol Singing	PPT	Christmas Day Song	
January		Patriotic Song		Republic Day Song	
February		General Song			

Grade VIII		Subject:Physical Education
TERM I		
MONTHS	CONTENT / ACTIVITY	PARTICULARS
April	Combined Activities, Selection for DSO, CBSE, NMASA and other Tournaments. (Team Formation)	Basic skill , techniques and game practice.
June	Dodge ball, Badminton, Football and Standing Exercise.	Basic skill , techniques and game practice.
	Battery test (Fitness)	Measurement of Field / Court and Rules.
	PPT on Badminton.	
July	Dodge ball, Football, Carrom, and Drill and Marching.	Basic skill , techniques and game practice.
	Battery test (Fitness)	Measurement of Field / Court and Rules.
	PPT on Football.	(Independence day and Investiture Ceremony practice.)
August	Football, Table Tennis, Dumbles, Standing Exercise and Drill and Marching.	Basic skill , techniques and game practice.
	Battery test (Fitness)	Measurement of Field / Court and Rules.
	PPT on Table Tennis .	
September	Volleyball, Badminton, Table Tennis, Dumbles, Standing Exercises and Drill and Marching.	Basic skill , techniques and game practice.
	PPT on Volleyball.	Measurement of Field / Court and Rules.
TERM II		
October	Athletics, Badminton, Drill and Sitting Exercises and Throwball.	Basic skill , techniques and game practice.
	PPT on Athletics.	Measurement of Field / Court and Rules.
November	Basketball, Athletics, Sitting Exercises and Throwball.	Basic skill , techniques and game practice.
	PPT on Basketball.	Jumping and Throwing Events.
		Measurement of Field / Court and Rules.
December	Volleyball, Basketball, Drill and Marching, Throwball and Athletics.	Basic skill , techniques and game practice.
	PPT on Throwball.	Measurement of Field / Court and Rules.
		(Republic day Practice.)
January	Annual Sports Day, Republic Day Celebration.	Annual Sports.
	Battery test (Fitness)	
February	Volleyball, Basketball, Drill and Marching, Throwball and Athletics.	Basic skill , techniques and game practice.
		Measurement of Field / Court and Rules.
	Yearly Examination	Recreational Games.