



“Education to Excel”

New Horizon Public School, Airoli

Syllabus : 2023 – 24

Grade : VIII

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मराठी अभ्यासक्रम २०२३ -२०२४

विषय :- मराठी

प्रथमसत्र (एप्रिल ते सप्टेंबर)

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द्वितीयसत्र (ऑक्टोबर ते मार्च)

विषय :- मराठी

इयत्ता :- आठवी

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| | चतुर्थः घटकः | दिसम्बर | | पाठाः | नव – संस्कृतम् |
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| | | | वाच्य परिवर्तनम् | | |
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| 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 Sky and 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 | | | |
| | Activity - 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 Activity - 1. To study that sound travels in air and not vacuum. 2. To study that sound travels through strings. | Odyssey Science | 159-174 | |
| | | 8 | Reproduction 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. | | 110 - 122 | |
| | November | 9 | The Age of Adolescence Activity - 1. To study the Human Endocrine System 2. Design a handout on the adverse effects of smoking, drug abuse and consumption of alcohol. | | 123 - 133 | |
| | | 13 | Electricity and Circuits Activity - 1. To demonstrate the electrolysis. 2. To demonstrate electroplating. | | 175 | |
| | Unit 4 | December | 5 | | Combustion and Fuel Activity - 1. To study the various zones of the flame. 2. To investigate that attainment of ignition temperature is necessary for combustion. | 67 |
| | | | 14 | | Some Natural Phenomena Activity - To demonstrate electric charges. 2. To construct a simple electroscope. | 186-198 |
| January | | 15 | Light Activity - To demonstrate refraction through a glass slab. 2. To verify the laws of reflection. | 199-212 | | |
| | | 17 | Pollution of Air And Water Activity - 1. Find out the details about the oil spills that occurred in the last decade . What environmental damage did the spills cause? | 230 - 242 | | |
| | | 6 | Conservation Of Biodiversity 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. | 83 - 93 | | |
| | | | 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 |
| Unit 2 | 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 |
| Unit 2 | July | 3 | Natural Vegetation and Wildlife (Geography) | | 138-149 |
| | | | Map (Geography) | | 12-15. |
| | | 7 | Education and British Rule (History) | 50-57 | |
| | | 5 | The Judiciary (Civics) | 254-260 | |
| | | 4 | Mineral and Power (Geography) | 151-160 | |
| | | | Map (Geography) | 16-27 | |
| | | 5 | Agriculture: Types of Farming Geography) | 161-168 | |
| | | | Map (Geography) | 28-36 | |
| | August | 8 | Women and Reform (History) | 60-66 | |
| | | | Map (History) | 74-75 | |
| | | 5 | Craft and Industries (History) | 35-41 | |
| | | 4 | Colonialism and Tribal Societies (History) | 27-33 | |
| | | 4 | Understanding Laws (Civics) Activity: Prepare a newspaper article on the Bhopal Gas Tragedy of 1984 | 249-253 | |
| September | | 6 | Major Crops (Geography) | 187-193 | |
| | | | Map (Geography) | 38-43 | |
| | | | 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 | | |
| | Febuary | | 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 | Compose And Tune | |
| | | 2. Prayer song "Cause Me To Come" | | |
| 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. |