

**ARMY PUBLIC SCHOOL , MEERUT CANTT.**

**PEDAGOGICAL CURRICULUM PLANNER, 2022-23**

**CLASS: VI**

**SUBJECT: Computer**

BOOKS: CodeBot 6			PUBLISHER: PM Publishers Pvt. Ltd.			
MONTH	TOPIC & No. OF PERIODS	21 <sup>ST</sup> CENTURY SKILLS INTEGRATED	INTEGRATION WITH OTHER SUBJECTS	METHODOLOGY, INSTRUCTIONAL STRATEGIES & ACTIVITIES PLANNED	TEACHING LEARNING MATERIAL	LEARNING OUTCOME
APRIL 2022 21 Days	Chapter-I: Computer and Its Components 6 Periods	Information-Searching, Organizational and Presentation Skills		Explanation, Demonstration. <b>Activity:</b> Make a presentation on computer devices using relevant pictures.	Smart Board, Text Books, Multimedia contents	1. Understand about how computer works. 2. Identify various input, output, storage and processing devices and their uses.
MAY 2022 23 Days	Chapter-II: Computer Memory 6 Periods  Chapter-III: Excel- Creating Worksheet 3 Periods	Organizational and Data Management Skills  Data Management Skills	Mathematics, Social Science	Explanation, Demonstration. <b>Activity:</b> Open MS Word and create a document on memory units.  Explanation, Demonstration. <b>Activity:</b> Open Excel and Create the following worksheet. <b>1.</b> State <b>2.</b> Area (km <sup>2</sup> ) <b>3.</b> Density and data.	Smart Board, Text Books, Multimedia contents  Smart Board, Text Books, Multimedia contents	1. Understand computer memory and its units. 2. Understand the types of computer memory. 3. Understand the layers and use of Cache memory.  1. Understand the uses and features of Excel. 2. Create and save a worksheet. 3. Apply text formatting and conditional formatting.
	Chapter-III: Excel- Creating Worksheet 4 Periods	Data Management Skills	Mathematics, Social Science	Explanation, Demonstration. <b>Activity:</b> Open Excel and Create the following worksheet. <b>1.</b> State <b>2.</b> Area (km <sup>2</sup> ) <b>3.</b> Density and data.	Smart Board, Text Books, Multimedia contents	1. Understand the uses and features of Excel. 2. Create and save a worksheet. 3. Apply text formatting and conditional formatting.

<p>JULY 2022</p> <p>23 Days</p>	<p>Chapter-IV: Excel- Functions and Charts</p> <p>5 Periods</p>	<p>Data Management Skills</p>	<p>Mathematics, General Knowledge</p>	<p>Explanation, Demonstration. <b>Activity:</b> Open Excel and create the worksheet.</p> <ol style="list-style-type: none"> <li>1. Merge and Center the cells of Row 1 and 2 and fill color.</li> <li>2. Copy the formula to the rest of the cells.</li> <li>3. Calculate the Grand Total by using the AutoSum feature.</li> </ol> <p>Save the workbook as 'Monthly Sales' in 'Lab Activity' folder.</p>	<p>Smart Board, Text Books, Multimedia contents</p>	<ol style="list-style-type: none"> <li>1. Understand formula and function.</li> <li>2. Understand cell reference and its types.</li> <li>3. Learn about creating different types of Excel charts.</li> <li>4. Insert Sparklines to cells.</li> </ol>
<p>AUGUST 2022</p> <p>22 Days</p>	<p>Chapter-IV: Excel- Functions and Charts</p> <p>6 Periods</p> <p>Chapter-V: Adobe Animate-Introduction</p> <p>3 Periods</p>	<p>Data Management Skills</p> <p>Creativity and Animation Skills</p>	<p>Mathematics, General Knowledge</p> <p>Art</p>	<p>Explanation, Demonstration. <b>Activity:</b> Open Excel and create the worksheet.</p> <ol style="list-style-type: none"> <li>1. Merge and Center the cells of Row 1 and 2 and fill color.</li> <li>2. Copy the formula to the rest of the cells.</li> <li>3. Calculate the Grand Total by using the AutoSum feature.</li> <li>4. Save the workbook as 'Monthly Sales' in 'Lab Activity' folder.</li> </ol> <p>Explanation, Demonstration. <b>Activity:</b></p> <ol style="list-style-type: none"> <li>1. Draw an image which includes sky, clouds, grassland and a paper plane by using various tools of Animate and color it.</li> <li>2. Save the image as 'Sky' in 'Lab Activity' folder.</li> </ol>	<p>Smart Board, Text Books, Multimedia contents</p> <p>Smart Board, Text Books, Multimedia contents</p>	<ol style="list-style-type: none"> <li>1. Understand formula and function.</li> <li>2. Understand cell reference and its types.</li> <li>3. Learn about creating different types of Excel charts.</li> <li>4. Insert Sparklines to cells.</li> </ol> <ol style="list-style-type: none"> <li>1. Learn about Adobe Animate and its features.</li> <li>2. Understand the components of Adobe Animate window.</li> <li>3. Setup a new Animate stage.</li> <li>4. Learn how to run and save Animate file.</li> <li>5. Learn the uses of different drawing tools of Animate.</li> </ol>

SEPTMBER 2022  15 Days	Chapter-V: Adobe Animate-Introduction  3 Periods	Creativity and Animation Skills	Art	Explanation, Demonstration. <b>Activity:</b> 1. Draw an image which includes sky, clouds, grassland and a paper plane by using various tools of Animate and color it. 2. Save the image as 'Sky' in 'Lab Activity' folder.	Smart Board, Text Books, Multimedia contents	1. Learn about Adobe Animate and its features. 2. Understand the components of Adobe Animate window. 3. Setup a new Animate stage. 4. Learn how to run and save Animate file. 5. Learn the uses of different drawing tools of Animate.
TERM 1						
OCTOBER 2022  15 Days	Chapter-VI: Google Apps  3 Periods  Chapter-VII: Internet Services and Safety  3 Periods	Organizational and Time-Management Skills  Information-Searching and Presentation Skills		Explanation, Demonstration. <b>Activity:</b> Organize work by managing Calendar App.  Explanation, Demonstration. Activity: Internet Research: 1. Find the name of the person who invented telephone. 2. Find the name of the co-founder of Hotmail.	Smart Board, Text Books, Multimedia contents  Smart Board, Text Books, Multimedia contents	1. Identify various types of Google Apps. 2. Understand Android OS and its types. 3. Understand various Google devices and their uses.  1. Understand about Internet and its uses. 2. Understand the ways to connect to the Internet. 3. Understand various Internet services. 4. Search information on the Internet.
NOVEMBER 2022  24 Days	Chapter-VII: Internet Services and Safety  4 Periods	Information-Searching and Presentation Skills		Explanation, Demonstration. <b>Activity:</b> Internet Research: 1. Find the name of the person who invented telephone. 2. Find the name of the co-founder of Hotmail.	Smart Board, Text Books, Multimedia contents	1. Understand about Internet and its uses. 2. Understand the ways to connect to the Internet. 3. Understand various Internet services. 4. Search information on the Internet.

	Chapter-VIII: Cloud Computing  5 Periods	Learn to share the information online securely and effectively.		Explanation, Demonstration. <b>Activity:</b> Uploading a Folder on Google Drive and Sharing it.	Smart Board, Text Books, Multimedia contents	
DECEMBER 2022  20 Days	Chapter-IX: Python-Introduction  8 Periods	Technology Literacy	Mathematics	Explanation, Demonstration. <b>Activity:</b> Python program to multiply two integer numbers.	Smart Board, Text Books, Multimedia contents	
JANUARY 2023 21 Days	Chapter-X: Fields of Artificial Intelligence  9 Periods	Learn Training and Development Skills	Mathematics, Science, Social Science, Languages	Explanation, Demonstration. <b>Activity:</b> With the help of Internet, search about new developments in AI in the following areas and write 2-3 lines about them. <ol style="list-style-type: none"><li>1. Healthcare</li><li>2. Education</li></ol>	Smart Board, Text Books, Multimedia contents	
FEBRUARY 2023 16 Days	<b>Revision</b>					
TERM 2						

**ARMY PUBLIC SCHOOL, MEERUT CANTT.**

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**CLASS: VI**

**SUBJECT: GK**

BOOKS: GK Planet			PUBLISHER: PM Publishers Pvt. Ltd.		
MONTH	TOPIC & No. OF PERIODS	21 <sup>ST</sup> CENTURY SKILLS INTEGRATED	METHODOLOGY, INSTRUCTIONAL STRATEGIES & ACTIVITIES PLANNED	TEACHING LEARNING MATERIAL	LEARNING OUTCOME
APRIL 2022 21 days	<b>Unit -1 Flora and Fauna</b> 1. Cone- bearing Trees 2. Plant Quiz 3. Cool Primates 4. The World of Fishes <b>Unit-2 Science and Technology</b> 5. Engineering Marvels 6. Body Quiz	Interpretation, interrogative, critical thinking and reasoning. Understanding and comparing, Retrospective analyzation.	Lecture method, Multimedia approach, Problem solving, Project method, Source method, Discussion method.	Text Book, Smart Board (internet), Maps, AI tools (google earth, google lens, loopy)	Students will be able to know about the different species of fishes & plants, discover amazing facts about primates & human body.
MAY 2022 23 days	7. Coronavirus 8. Geographical Structures <b>Unit-3 Exploring India</b>	IQ improvement skills, General Knowledge, Social Knowledge, Institutional	Lecture method, Multimedia approach, Problem solving,	Text Book, Smart Board (internet), Maps, AI tools (google earth, google lens, loopy)	Students will be able to develop knowledge and courtesy towards the major civilian

	<p>9. Major Civilian Awards</p> <p>10. Ancient India</p> <p>11. National Parks and Sanctuaries</p> <p>12. Nicknames of Freedom Fighters</p>	<p>Knowledge, Geographical knowledge.</p>	<p>Project method, Source method, Discussion method.</p>		<p>awards, heritage and ancient history of India.</p>
<p>JULY 2022 23 days</p>	<p><b>Unit-4 Exploring the world</b></p> <p>13.The Continent of Africa</p> <p>14. Social Reformers</p> <p>15. Famous Museums</p> <p>16.Traditional Outfits</p> <p><b>ASSIGNMENT-1</b></p> <p><b>Unit-5 Sports and Entertainment</b></p> <p>17.Olympic Legends</p> <p>18.Water Sports</p>	<p>Use of qualitative and quantitative data, Graphical skills, Cartographic skills, Geographical knowledge.</p>	<p>Lecture method, Multimedia approach, Problem solving, Project method, Source method, Discussion method.</p>	<p>Text Book, Smart Board (internet), Maps, AI tools (google earth, google lens, loopy)</p>	<p>Students will be able to know about the diverse traditions, cultural &amp; social reforms of different countries.</p>
<p>AUGUST 2022 22 days</p>	<p>19. Space Adventure Films</p> <p>20. String Musical Instruments</p> <p><b>Unit-6 Language and Literature</b></p> <p>21.Unforgettable Characters</p>	<p>General awareness, critical thinking, scientific thinking, Linguistic skills.</p>	<p>Lecture method, Multimedia approach, Problem solving, Project method, Source method, Discussion method.</p>	<p>Text Book, Smart Board (internet), Maps, AI tools (google earth, google lens, loopy)</p>	<p>Students will be able to develop curiosity towards performing art, sports and literature.</p>

	<p>22. From the Epics 23. Terms for Phobias 24. Popular Newspapers</p>				
<p>SEPTEMBER 2022 25 days</p>	<p><b>Unit-7 Mental Ability</b> 25. Maths Booster 26. Verbal Reasoning 27. Problems on Nets <b>Unit-8 Life skill and Personality Development</b> 28. Mall Etiquette 29. Surya Namaskar 30. Coding in Python  <b>ASSIGHMENT-II</b> <b>Quiz Contest-1</b></p>	<p>Logical reasoning, general awareness, Value education, social skills.</p>	<p>Lecture method, Multimedia approach, Problem solving, Project method, Source method, Discussion method.</p>	<p>Text Book, Smart Board (internet), Maps, AI tools (google earth, google lens, loopy)</p>	<p>Students will be able to develop analytical and reasoning skills.</p>
<p>TERM 1</p>	<p>Half yearly Examination start (19-30September)</p>				
<p>OCTOBER 2022 15 days</p>	<p><b>Unit-1 Flora and Fauna</b> 31. Ornamental Plants 32. Desert Plants 33. Migratory Birds 34. Farmers 'Friends <b>Unit-2 Science and Technology</b></p>	<p>Interpretation, interrogative, critical thinking and reasoning, Pictorial understanding.</p>	<p>Lecture method, Multimedia approach, Problem solving, Project method, Source method, Discussion method.</p>	<p>Text Book, Smart Board (internet), Maps, AI tools (google earth, google lens, loopy)</p>	<p>Students will be able to develop awareness about organic farming, unique species of the planet.</p>

	35. Breakthrough in Medication				
NOVEMBER 2022 24 days	36. Intelligent Minds 37. Measuring Instruments 38. Virtual Meeting Apps <b>Unit-3 Exploring India</b> 39. First Women 40. Nobel Laureates of India 41. India's Superlatives <b>Unit-4 Exploring the world</b> 42. Famous Explorers 43. Deserts of the World 44. Indigenous People	IQ improvement skills, General Knowledge, Social Knowledge, Institutional Knowledge. Use of Graphical skills, Cartographic skills, Mapping Skills.	Lecture method, Multimedia approach, Problem solving, Project method, Source method, Discussion method.	Text Book, Smart Board (internet), Maps, AI tools (google earth, google lens, loopy)	Students will be able to discover about latest technologies. They will also be able to develop social thinking and geographical knowledge.
DECEMBER 2022 20 days	45. Woman Power <b>ASSIGNMENT-III</b> <b>Unit-5 Sports and Entertainment</b> 46. Tokyo Olympic 2020 47. Tennis Stars 48. Entertainment Awards 49. Famous Music	General awareness, critical thinking, scientific thinking, Linguistic skills.	Lecture method, Multimedia approach, Problem solving, Project method, Source method, Discussion method.	Text Book, Smart Board (internet), Maps, AI tools (google earth, google lens, loopy)	Students will be able to improve their General Knowledge and happenings in contemporary world. Interest in music and literature will also be developed.



	<p>Bands</p> <p><b>Unit-6 Language and Literature</b></p> <p>50. Great Writers</p> <p>51. Inspirational Quotes</p>				
<p>JANUARY 2023</p> <p>21 days</p>	<p>52. Metaphor and Similes</p> <p>53. Ancient Languages</p> <p><b>Unit-7 Mental Ability</b></p> <p>54. Sudoku</p> <p>55. Non-verbal Reasoning</p> <p>56. Mirror Image</p> <p><b>Unit-8 Life Skill and Personality Development</b></p> <p>57. Artificial Intelligence</p> <p>58. Never Give Up</p> <p>59. Green Skill</p> <p><b>ASSIGNMENT-IV</b></p> <p><b>Quiz Contest-II</b></p>	<p>Logical reasoning, general awareness, Data Analysis, Pictorial Understanding Skills.</p>	<p>Lecture method, Multimedia approach, Problem solving, Project method, Source method, Discussion method.</p>	<p>Text Book, Smart Board (internet), Maps, AI tools (google earth, google lens, loopy)</p>	<p>Students will be able to develop analytical and reasoning skills.</p>
<p>FEBRUARY 2023</p> <p>21 days</p>	<p>Revision Test</p>				
<p>TERM 2</p>	<p>Annual Examination Starts</p> <p>20 february-6 march 2023</p>				