

**Class VII (20-21)**

**SUBJECT – INFORMATION TECHNOLOGY**

MONTH	TOPIC	SUB TOPICS	LEARNING OUTCOME	INNOVATIVE PEDAGOGIES/ONLINE LEARNING
APRIL	• <u>COMPUTER VIRUS</u>	<ul style="list-style-type: none"> <li>• Malware, Computer Virus and Antivirus</li> <li>• Ransomware</li> <li>• Precautions against Computer Virus</li> </ul>	<ul style="list-style-type: none"> <li>• Students are able to apply GIMP tools for graphic editing and image retouching</li> <li>• Students would be able to change the colour modes and correct the picture</li> </ul>	Students will be able to attend online classes with ease. Concept of Computer virus, Malware and Ransomware will be given to the students using a Video prepared in Adobe Spark
	• <u>INTERNET – ETHICS &amp; SAFEGUARD</u>	<ul style="list-style-type: none"> <li>• Internet Terms</li> <li>• Potential Threats on the Web</li> <li>• Role of Parents and Teacher</li> </ul>	<ul style="list-style-type: none"> <li>• Students apply their knowledge making posters and advertisements</li> </ul>	Students will be explained about netiquettes to be followed during online classes through a video Students were explained the pros and cons of usage of internet
MAY	• <u>E-COMMERCE &amp; BLOGGING</u>	<ul style="list-style-type: none"> <li>• Advantages of E-Commerce</li> <li>• E-Commerce Business Models</li> <li>• E-Retailing &amp; Security Concerns</li> <li>• Top E-Commerce Websites</li> <li>• Blogging</li> </ul>	<ul style="list-style-type: none"> <li>• Learners will be able to understand the various concepts of e-commerce.</li> </ul>	Discussion on the meaning of E-Commerce, types of E-Commerce Business Models, & Security Concerns related to it Awareness of E-Commerce Websites. Online class discussions on the understandability of Blogging
JULY	• <u>HTML- INTRODUCTION</u>	<ul style="list-style-type: none"> <li>• About Text Editors and Browsers</li> <li>• Creating and saving a Web Page, Basic HTML Tags</li> </ul>	<ul style="list-style-type: none"> <li>• Students are able to learn about HTML as a webpage editing software by writing a simple webpage in</li> </ul>	Basic concepts of webpage designing will be explained using live demonstration of HTML Codes in a Text editor and sharing of presentation in the class

			notepad, making desired changes and displaying them	
<b>AUGUST</b>	<ul style="list-style-type: none"> <li>• <b><u>HTML- CREATING A WEB PAGE</u></b></li> </ul>	<ul style="list-style-type: none"> <li>• Displaying Web Page in a Browser</li> <li>• Modifying Paragraph Text and Formatting Text</li> </ul>	<ul style="list-style-type: none"> <li>• Using HTML tags to format a webpage</li> </ul>	Creating of HTML webpage. Formatting of HTML webpage by live demonstration in online classes by sharing screen
<b>SEPTEMBER - OCTOBER</b>	<ul style="list-style-type: none"> <li>• <b><u>HTML-IMAGES, LINKS &amp; TABLE</u></b></li> </ul>	<ul style="list-style-type: none"> <li>• Inserting Images in Web Pages</li> <li>• Lists – Creating Lists</li> </ul> <div>HALF YEARLY EXAMINATION</div>	<ul style="list-style-type: none"> <li>• Students will be able to insert image and add list (ordered and unordered)</li> </ul>	<p>Creating list by HTML Tags and Attributes</p> <p><b>ART INTEGRATION ACTIVITY</b>  <b>Students will search interesting facts on travel and tourism of Arunachal Pradesh or Meghalaya. Research should be based on historical monuments/ cuisines/ costumes of these states. They will then prepare a webpage in HTML using hand drawn pictures as well as pictures drawn using online tools(Ms-Paint, Paint 3 D and Autodraw). The webpage is to be uploaded in the G Drive and and it's link is to be submitted through Google classroom under the topic "IT and Art Integration"</b></p>
<b>NOVEMBER</b>	<ul style="list-style-type: none"> <li>• <b><u>HTML-FORM, MULTIMEDIA &amp; CSS</u></b></li> </ul>	<ul style="list-style-type: none"> <li>• Creating Forms in HTML5</li> <li>• Adding Multimedia</li> <li>• Cascading Style Sheets (CSS)</li> </ul>	<ul style="list-style-type: none"> <li>• Students will be able to create forms to enter students' particulars.</li> </ul>	Designing HTML webpage for school admission form
<b>DECEMBER</b>	<ul style="list-style-type: none"> <li>• <b><u>NUMBER SYSTEM</u></b></li> </ul>	<ul style="list-style-type: none"> <li>• Introduction</li> <li>• Number System</li> </ul>	<ul style="list-style-type: none"> <li>• Students will be able to convert different positional number</li> </ul>	Calculation method to be used to explain Number system. Bits and Bytes will also be explained using placards

		<ul style="list-style-type: none"> <li>• Conversion to and from other Number Systems</li> <li>• Bits and Bytes</li> </ul>	systems using various methods	
<b>JANUARY</b>	<b><u>GIMP – INTRODUCTION</u></b>	Using GIMP Tools <ul style="list-style-type: none"> <li>• Colour Modes and Filters</li> <li>• Changing the size of the image</li> </ul>	<ul style="list-style-type: none"> <li>• Students are able to learn about creative tools in GIMP</li> </ul>	Demonstration of concept of designing and creativity using GIMP software
<b>FEBRUARY</b>	<b><u>GIMP – LAYERS AND FILTERS</u></b>	<ul style="list-style-type: none"> <li>• Working with Layers, Creating a Collage</li> <li>• Transforming Layers</li> <li>• Bending Modes</li> <li>• Saving a GIMP image</li> </ul>	<ul style="list-style-type: none"> <li>• Students will be able to create layers and work on different layers in GIMP</li> </ul>	Practical application and use of layers and advanced features in GIMP which will enhance creativity skills in students
<b>MARCH</b>	<b>REVISION FOR ANNUAL EXAMINATION</b>			

**Text Book : Reinventing..... IT Planet Streaming without Buffering (PM Publishers Pvt Ltd)**