

SYLLABUS PLAN FOR THE SESSION 2020 – 21

SUBJECT – INFORMATION TECHNOLOGY

CLASS – VI

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

MONTH	TOPIC / LEARNING OBJECTIVES	INNOVATIVE PEDAGOGY/ONLINE LEARNING	LEARNING OUTCOMES
APRIL	<p><u>COMPUTER – ITS COMPONENTS</u></p> <ul style="list-style-type: none"> ➤ To explain the different terminologies related to a computer ➤ To make the students aware about the different peripherals of the computer <p><u>COMPUTER MEMORY</u></p> <ul style="list-style-type: none"> ➤ To explain about the different types of computer memory. 	<p>Students will be familiarized with the concept of Online teaching and learning using the G Suite platform.</p> <p>The concepts will be discussed using ppts and videos during the online classes. The assignments will be shared as google documents and quizzes through Google Classroom</p>	<p>Students will be able to attend online classes with ease and understand about the different peripherals of a computer and:</p> <ul style="list-style-type: none"> ➤ How does a Computer Work? ➤ Different Input and Output devices ➤ Different Storage Devices, Processing Device ➤ Memory Units ➤ Primary Memory, Cache Memory ➤ Secondary Memory
MAY	<p><u>INTERNET SERVICES</u></p> <ul style="list-style-type: none"> ➤ To explain all about Internet ➤ To make the students understand the different ways to connect to the internet ➤ To explain the different services of Internet and how they can search information on it. 	<p>Students will be explained about netiquettes to be followed during online classes through a video.</p> <p>The use and misuse of internet will also be explained in the present situation during the online classes through Online class discussions.</p>	<p>Students will be able to use internet in a better way and:</p> <ul style="list-style-type: none"> ➤ Search in a better way ➤ Be aware about the threats ➤ Understand the services that can be used in a situation like locked down.
JULY	<p><u>MS-EXCEL-CREATING WORKSHEET</u></p> <ul style="list-style-type: none"> ➤ To explain about the use of spreadsheets ➤ Generating Series ➤ To introduce MS Excel and expose the students to Formulas and Functions 	<p>Students will be explained about the concepts of the spreadsheet software (MS Excel) through live demonstration by screen sharing. A comparison will be drawn about MS Excel and Google Sheet.</p>	<p>Students will be able to open and create spreadsheets on MS Excel. The will be able to:</p> <ul style="list-style-type: none"> ➤ Work on Worksheets ➤ Understand different types of charts ➤ Use basic formulas and create a formula ➤ Use Functions in Excel ➤ Understand Cell reference ➤ Understand different Worksheet Views ➤ Make Charts in Ms-Excel
AUGUST	<p><u>MS-EXCEL- CREATING CHARTS</u></p> <ul style="list-style-type: none"> ➤ To make the students understand the importance and use of Charts. ➤ To explain SmartArt and Sparklines in MS Excel. 	<p><u>Concepts of MS-EXCEL</u></p> <ul style="list-style-type: none"> ➤ Create a spreadsheet and save files ➤ Generating a series ➤ Creating and Formatting a worksheet ➤ Creating a chart ➤ Inserting SmartArt and Sparklines 	
SEPTEMBER - OCTOBER	<p><u>WINDOWS MOVIE MAKER</u></p> <ul style="list-style-type: none"> ➤ To explain about Windows Movie Maker and its tools. ➤ To give them practical exposure to movie making and editing <p><u>HALF YEARLY EXAMINATION</u></p>	<p>Students will be explained about the concepts of movie making using windows movie maker through live demonstration by screen sharing.</p> <p><u>MOVIE MAKER</u></p> <ul style="list-style-type: none"> ➤ Adding Title, Caption and Credits ➤ Editing Media Clips ➤ Sharing and Saving Your Project 	<p>Students will be able to open and work on Windows Movie Maker. The will be able to:</p> <ul style="list-style-type: none"> ➤ Add Photos, Videos or Audio ➤ Import Digital Files from External Devices ➤ Add Transition effects, Visual effects

NOVEMBER - DECEMBER	<u>PROGRAMMING BASICS</u> <ul style="list-style-type: none"> ➤ Flowcharts ➤ Algorithms 	<u>GRAPHICS IN QBASIC</u> <ul style="list-style-type: none"> ➤ Color Command ➤ Draw and Circle Command ➤ PSET and Line Command 	<p>Students will be able to understand the basics of coding and will be able to open and work on QBasic. The will be able to:</p> <ul style="list-style-type: none"> ➤ Draw a flowchart and understand program logic ➤ Write algorithms ➤ Understand the Elements in Qbasic ➤ Create and Save a Program ➤ Execute Commands in Qbasic <p><i>Art Integration activity will allow the students to use their imagination and creativity to make a movie on the states specified.</i></p>
	<u>PROGRAMMING IN QBASIC</u> <ul style="list-style-type: none"> ➤ To explain the basics of QBasic ➤ To make the students familiar with the graphic mode of QBasic 	<u>ART INTEGRATION ACTIVITY</u> Students will search for interesting facts on Meghalaya or Arunachal Pradesh and prepare a video using Windows Movie Maker. Students can use hand drawn pictures as well as pictures drawn using online tools like MS Paint/Paint 3D/Autodraw. The video has to be uploaded to the students GDrive and the link of the same has to be submitted through Google Classroom under the topic 'IT and ART INTEGRATION'	
	<u>GRAPHICS IN QBASIC</u> <ul style="list-style-type: none"> ➤ Graphics in Qbasic <p>Working in Graphic mode</p>		
JANUARY	<u>PENCIL 2D</u> <ul style="list-style-type: none"> ➤ To make students familiar the different tools of Pencil 2D. ➤ Students should try and work to animate using Pencil 2D 	<u>INTRODUCTION TO PENCIL 2D- ANIMATION SOFTWARE</u> <ul style="list-style-type: none"> ➤ Introduction to Pencil 2D ➤ Starting Pencil 2D <u>PENCIL 2D- ANIMATION SOFTWARE</u> <ul style="list-style-type: none"> ➤ Using Tools Pallete, using layers ➤ Animation in Pencil 2D 	<p>Students will be able to work on Pencil 2D, an open source software and use its tools to create animations.</p>
FEBRUARY	REVISION AND FINAL EXAMINATION		