

INFANT JESUS CONVENT SCHOOL

ANNUAL PLAN

COMPUTER

CLASS: IV

MONTH/ NO OF DAYS	TOPIC: SUB TOPIC	OBJECTIVES	AIDS/ ACTIVITIES	MULTIPLE INTELLIGENCE SKILLS	LEARNING OUTCOME
<p>APRIL No of Days: 18</p>	<p>Data Storage and Memory</p> <ul style="list-style-type: none"> ● Memory ● Types of Memory ● Measuring the computer's memory 	<p>Students will be able to:</p> <ul style="list-style-type: none"> ● Appreciate the importance of computers in day to day life ● Cite the various storage devices ● Develop and integrate the use of computers 	<p>KNOWLEDGE:</p> <ul style="list-style-type: none"> ● List the storage and memory devices ● Brainstorming about the concept of Memory <p>SKILLS:</p> <ul style="list-style-type: none"> ● Verbal Skills ● Critical Thinking ● Listening skills <p>APPLICATION:</p> <ul style="list-style-type: none"> ● Model reading of the lesson. ● Video based explanation ● Analyzing the types of computer 	<ul style="list-style-type: none"> ● Linguistic ● Spatial ● Intrapersonal 	<p>Students will be able to:</p> <ul style="list-style-type: none"> ● Analyze the storage and memory devices. ● Integrate working of various memory devices of the computer. ● Identify & use various storage devices.

			Memory.		
--	--	--	---------	--	--

			<p>Applying different storage devices in different situations.</p> <p>UNDERSTANDING: Identifying various storage devices Memorize types of computer memory Use different devices according to their usage.</p>		
<p>MAY No of Days: 14</p>	<p>Managing Files and Folders in Windows 10 Windows 10 Desktop Files and Folders</p>	<p>Students will be able to: Determine the features of Windows 10 Relate various options of the taskbar. Develop and integrate the use of Icons. Co-relate GUI interface with day to day life</p>	<p>KNOWLEDGE: Label the icons on desktop Identify the taskbar and its items. Brainstorming about the icons. SKILLS: Verbal Skills Analytical skill Listening skills APPLICATION: Model reading of the lesson. Video based explanation</p>	<p>Linguistic Spatial Intrapersonal</p>	<p>Students will be able to: Categorize Operations on the desktop List features of Windows 10 Recall the uses of shortcut menu</p>

			<ul style="list-style-type: none"> Analyzing the various icons. <p>UNDERSTANDING:</p> <ul style="list-style-type: none"> Identify components of desktop Tell the desktop icons Categorize Operations on the desktop Evaluate the features of Windows 10. 		
--	--	--	---	--	--

CONDUCTION OF PT-1 ASSESSMENT

<p>JULY No of Days: 27</p>	<p>More on Word 2019</p> <ul style="list-style-type: none"> Shapes Deleting Rows or Columns Pictures WordArt Inserting a Table Inserting Rows or Columns 	<p>Students will be able to:</p> <ul style="list-style-type: none"> Determine the – Shapes, WordArt and Pictures in word 2019 Demonstrate the steps involved in the process of drawing a shape and adding text to the shape 	<p>KNOWLEDGE:</p> <ul style="list-style-type: none"> Demonstrate to the students the method of inserting a table in a Word document. Show to the students how to select a cell, a group of cells, a row, a column or the whole table <p>SKILLS:</p> <ul style="list-style-type: none"> Writing Skills 	<ul style="list-style-type: none"> Linguistic Spatial Intrapersonal 	<p>Students will be able to:</p> <ul style="list-style-type: none"> Recall the steps of working with Shapes, WordArt and Pictures and tables in word 2019 Recall the uses of shortcut menu
--------------------------------	---	---	--	--	--

			<ul style="list-style-type: none">• Analytical skill• Listening skills		
			<p>APPLICATION:</p> <ul style="list-style-type: none">• Model reading of the lesson.• Practical Based explanation• Demonstrate to the students the steps to move a table and resize a table. <p>UNDERSTANDING:</p> <ul style="list-style-type: none">• Identify the steps to add more rows to a table, delete rows from a table, add more columns to a table, delete columns from a table, and change width of a column.		

<p style="text-align: center;">AUGUST No of Days: 23</p>	<p>Introduction to PowerPoint 2019</p> <ul style="list-style-type: none"> ● Starting PowerPoint ● Creating a New Presentation ● Inserting SmartArt ● Applying the Themes ● Slide Layout ● Viewing a Presentation 	<p>Students will be able to:</p> <ul style="list-style-type: none"> ● to create presentations. ● Demonstrate to the students the steps to start PowerPoint 2019. 	<p>KNOWLEDGE:</p> <ul style="list-style-type: none"> ● Demonstrate to the students the steps involved in changing the slide layout ● Explain to the students the names of different types of slide views <p>SKILLS:</p> <ul style="list-style-type: none"> ● Listening Skills ● Critical skill 	<ul style="list-style-type: none"> ● Linguistic ● Spatial ● Logical 	<p>Students will be able to:</p> <ul style="list-style-type: none"> ● Recall the Themes, smart art and layout of the slide
--	---	--	--	--	---

		<ul style="list-style-type: none"> ● Familiarize the students with various components of PowerPoint screen ● Introduce slide layout as arrangement of text, image, Charts, etc. on a particular slide 	<ul style="list-style-type: none"> ● Observation skills <p>APPLICATION:</p> <ul style="list-style-type: none"> ● Practical Based explanation ● Introduction to commands in PowerPoint 2019. ● Make the students aware of applying themes in PowerPoint 2019 ● Introduce SmartArt <p>UNDERSTANDING:</p> <ul style="list-style-type: none"> ● Usage themes ● Make them understand how to change background in PowerPoint 2019. ● Tell the shortcuts of PowerPoint 		
<p>SEPTEMBER</p> <p>No of Days: 05</p>	<p>Using a Browser</p> <ul style="list-style-type: none"> ● What is the Internet? ● Searching for Something on the Internet ● Microsoft Edge ● How Search Engine 	<p>Students will be able to:</p> <p>Show the students the steps involved in using the search engines</p>	<p>KNOWLEDGE:</p> <ul style="list-style-type: none"> ● Recall the Internet terms ● Show the students the steps involved in using the search 	<ul style="list-style-type: none"> ● Linguistic ● Spatial ● Logical Thinking 	<p>Students will be able to:</p> <ul style="list-style-type: none"> ● Explore Internet and the brief

	<p>Works</p> <ul style="list-style-type: none"> ● Downloading and Uploading on Internet 	<ul style="list-style-type: none"> ● Explore Internet terms: World Wide Web, Web Page, WebsiteURL, Web Browser, Home Page 	<p>engines.</p> <p>SKILLS:</p> <ul style="list-style-type: none"> ● Listening Skills ● Critical skill ● Observation skills <p>APPLICATION:</p> <ul style="list-style-type: none"> ● Practical Based explanation ● Introduction to Internet ● Explore more about downloading and uploading on the Internet <p>UNDERSTANDING:</p> <ul style="list-style-type: none"> ● Explain Microsoft Edge and parts of Edge. 		<p>History of the Internet.</p> <ul style="list-style-type: none"> ● Recall the steps of downloading and uploading on the Internet
--	--	--	---	--	---

CONDUCTION OF TERM-1 ASSESSMENT

<p style="text-align: center;">OCTOBER No of Days: 22</p>	<p>Visual Processing</p> <ul style="list-style-type: none"> ● Picture Puzzle ● Directions and Maps 	<p>Students will be able to:</p> <ul style="list-style-type: none"> ● Introduce Picture Puzzle with the help of proper examples ● Tell the types of picture puzzle ● Explain the meaning of maps with the help of directions. 	<p>KNOWLEDGE:</p> <ul style="list-style-type: none"> ● Explain how to solve the puzzle by giving some examples <p>SKILLS:</p> <ul style="list-style-type: none"> ● Listening Skills ● Critical skill ● Observation skills <p>APPLICATION:</p> <ul style="list-style-type: none"> ● Practical Based explanation ● Introduction to Picture Puzzles ● Explore Types of puzzles <p>UNDERSTANDING:</p> <ul style="list-style-type: none"> ● Explain types of picture puzzle which are: Odd One Out , Mirror Images 	<ul style="list-style-type: none"> ● Linguistic ● Spatial ● Logical 	<p>Students will be able to:</p> <ul style="list-style-type: none"> ● Recall the types of picture puzzle and maps
---	---	--	---	--	--

<p style="text-align: center;">NOVEMBER No of Days: 23</p>	<p>More Blocks in Scratch</p> <ul style="list-style-type: none"> ● Components of Scratch Window ● Setting the Sprite Position ● Block Categories ● Creating a Scratch Project 	<p>Students will be able to:</p> <ul style="list-style-type: none"> ● Explain Scratch and revise the components of Scratch window components ● Show the students how to change the sprite position with suitable examples. ● Co-relate with script 	<p>KNOWLEDGE:</p> <ul style="list-style-type: none"> ● Identify block categories ● Explain how to create a Scratch project. <p>SKILLS:</p> <ul style="list-style-type: none"> ● Writing Skills ● Analytical skill ● Listening skills <p>APPLICATION:</p> <ul style="list-style-type: none"> ● Model reading of the lesson. ● Practical Based explanation ● Recall the steps to create a project. <p>UNDERSTANDING:</p> <ul style="list-style-type: none"> ● Identify and categorize types of blocks 	<ul style="list-style-type: none"> ● Linguistic ● Spatial ● Logical 	<p>Students will be able to:</p> <ul style="list-style-type: none"> ● Categorize situation of reasoning and problem solving.
<p>CONDUCTION OF PT-2 ASSESSMENT</p>					

<p>DECEMBER No of Days: 11</p>	<p>Creating Shapes in Scratch</p> <ul style="list-style-type: none"> • Pen Block • Drawing a Line in Scratch • Adding a new sprite • Drawing a Square in Scratch 	<p>Students will be able to:</p> <ul style="list-style-type: none"> • Use Pen block in Scratch • Explore about the working of each tool in Scratch • Show the steps involved in creating programs using pen blocks. Practically 	<p>KNOWLEDGE:</p> <ul style="list-style-type: none"> • Recall the software use to play • List few block in Scratch • Enhance the use of pen block Scratch <p>SKILLS:</p> <ul style="list-style-type: none"> • Listening Skills • Critical skill • Observation skills <p>APPLICATION:</p> <ul style="list-style-type: none"> • Practical Based explanation • Introduction to pen block used in Scratch 	<ul style="list-style-type: none"> • Linguistic • Spatial • Logical Thinking 	<p>Students will be able to:</p> <ul style="list-style-type: none"> • Explore more about tools of Scratch • Utilize effect of Scratch tools • Recall the method to draw shapes in Scratch.
------------------------------------	--	--	---	---	---

			<ul style="list-style-type: none"> • Explore more about Scratch tools <p>UNDERSTANDING:</p> <ul style="list-style-type: none"> • Usage of various tools of Scratch • Explain the steps involved in drawing a square in Scratch • Draw polygons in 		
--	--	--	---	--	--

			Scratch.		
JANUARY No of Days: 21	<p>Google Blockly Games</p> <ul style="list-style-type: none"> • Bird Game • Turtle Game 	<p>Students will be able to:</p> <ul style="list-style-type: none"> • Begin with the description of Bird game • Let the students know how to play the Bird game. • Explain to the students that Turtle game has 10 levels 	<p>KNOWLEDGE:</p> <ul style="list-style-type: none"> • Tell the students that the Turtle game teaches the user the concept of drawing • Aware about Turtle game <p>SKILLS:</p> <ul style="list-style-type: none"> • Listening Skills • Critical skill • Observation skills <p>APPLICATION:</p> <ul style="list-style-type: none"> • Practical Based explanation • Make the students aware of the blocks while playing bird games. • Explore how to play Bird game <p>UNDERSTANDING:</p> <ul style="list-style-type: none"> • Usage of blocks in bird game <p>Tell the students that Turtle game</p>	<ul style="list-style-type: none"> • Linguistic • Spatial • Logical 	<p>Students will be able to:</p> <ul style="list-style-type: none"> • Recall how the bird and turtle game works

			has 10 levels		
FEBRUARY No of Days: 22	Evolution of AI ● History of AI from 1950s-Present	Students will be able to: ● Explain the evolution of AI to the students ● Tell the students about AI around us and its purpose in real life. ● Define the inventions of all these years along with their inventor	KNOWLEDGE: ● Relate AI to their day-to-day routine ● Brainstorming about the Evolution of AI SKILLS: ● Writing Skills ● Analytical skill ● Listening skills APPLICATION: ● Model reading of the lesson. Analyzing the purpose of AI in real life. UNDERSTANDING: ● Concept of AI and related topics How it impacts our day-to-day routine.	● Linguistic ● Spatial ● Intrapersonal	Students will be able to: Recall the AI and evolution of AI and its inventions
MARCH	CONDUCTION OF TERM-2 ASSESSMENT				