

KIDS WORLD SCHOOL, NAGPUR
SESSION – 2026-27
CLASS - VII
SUBJECT – INFORMATION TECHNOLOGY

No.	UNIT	Topic	Sub-Topic	Month		Suggested Ice-Breaking Activity	Teaching Pedagogy	Competency	Expected Learning Outcome	Assessment
	Name			Starting	Closing					
1.	Formulas and Functions	Working with Formulas Using a Basic Formula Using a Compound Formula Using a Range in a Formula Using Formula on Text		August Day 1	August	Copy the clap pattern	Hands-on Practice using ICT Tools.	<input type="checkbox"/> The students will know how to work with formulas. <input type="checkbox"/> The students will be able to write a basic formula.	<ul style="list-style-type: none"> • To know how to work with formulas • To know how to use a basic formula • To know how to use a compound formula • To know how to use a range in a formula • To know how to use formula on text 	Assessment of learning (practical based)
		Types of Cell References, Circular Reference Cell Reference of Another Worksheet Renaming a Worksheet Changing the Colour of a Sheet Tab		Day 2		Warm up exercise : By revising previous topic	Hands-on Practice using ICT Tools.	<input type="checkbox"/> The students will be able to differentiate between the types of cell references. <input type="checkbox"/> The students will know what a circular reference is. <input type="checkbox"/> The students will be able to use the cell reference of one worksheet in another worksheet. <input type="checkbox"/> The students will be able to rename a worksheet. <input type="checkbox"/> The students will know how to change colour of a sheet tab.	<ul style="list-style-type: none"> • To know the type of cell references • To know what a circular reference is • To know how to use the cell reference of one worksheet in another worksheet • To know how to rename a worksheet • To know how to change the colour of a sheet tab 	
		Functions Common Functions Function Library		Day 3		Warm up exercise : By revising previous topic	Hands-on Practice using ICT Tools.	<input type="checkbox"/> The students will know what functions are and the advantages of using functions.	<ul style="list-style-type: none"> • To know what functions are and the advantages of using functions 	

								<input type="checkbox"/> The students will be able to use common functions. <input type="checkbox"/> The students will know how to use the function library.	<ul style="list-style-type: none"> • To know about common functions • To know about the function library 	
		Insert Function, Formula Errors		Day 4		Warm up exercise : By revising previous topic	Hands-on Practice using ICT Tools.	<input type="checkbox"/> The students will know what functions are and the advantages of using functions. <input type="checkbox"/> The students will be able to use common functions. <input type="checkbox"/> The students will know how to use the function Library.	<ul style="list-style-type: none"> • To know about the insert function • To know how formula errors are identified in Excel and how they can be corrected 	
		Exercise		Day 5		Copy the clap pattern	Explanation with the help of textbook		Students will be able to answer questions.	
2.	Advanced Features of Excel	Components of a Chart Commonly Used Chart Types		August Day 1	August	Do some yoga poses.	Activity-Based learning	<input type="checkbox"/> The students will know about the components of a chart. <input type="checkbox"/> The students will understand the usage of the different types of charts.	<ul style="list-style-type: none"> • To know about the components of a chart • To understand the different types of charts 	Assessment of learning (practical based)
		Creating a Chart in Excel, Chart Elements Formatting a Chart		Day 2		Warm up exercise : By revising previous topic	Activity-Based learning	<input type="checkbox"/> The students will know how to create a chart in Excel. <input type="checkbox"/> The students will know about chart elements. <input type="checkbox"/> The students will know how to format a chart.	<ul style="list-style-type: none"> • To know how to create a chart in Excel • To know about chart elements • To know how to format a chart 	
		Combo Chart Sparklines Applying Sorting and Filtering Grouping Worksheets Consolidating Data		Day 3		Warm up exercise : By revising previous topic	Activity-Based learning	<input type="checkbox"/> The students will know how to create a Combo chart. <input type="checkbox"/> The students will know about Sparklines. <input type="checkbox"/> The students will understand how to apply sorting.	<ul style="list-style-type: none"> • To know how to create a Combo chart • To know about Sparklines • To understand how to apply sorting on data • To understand how to apply filtering on data 	

									<ul style="list-style-type: none"> • To understand how to group worksheets • To know how to consolidate data 	
		Exercise		Day 4		Copy the clap pattern	Explanation with the help of textbook		Students will be able to answer questions.	
4.	Gaming in Scratch	Revising Control Blocks (if, if-then else, repeat)		Feburary Day 1	Feburary	Do some yoga poses.	Project-based activity	Students will know how to use if and loop blocks in Scratch.	<ul style="list-style-type: none"> • To revise the use of Control blocks in Scratch • To understand how conditional and loop structures control game flow 	Assessment of learning (practical based)
		Repeat Until, Forever Nesting of Blocks		Day 2		Warm up exercise : By revising previous topic	Project-based activity	Students will know how to use repeat until and forever blocks, and how nesting works.	<ul style="list-style-type: none"> • To understand indefinite loops (forever, repeat until) • To learn how blocks can be nested 	
		Ask and Answer Blocks, Creating Quiz		Day 3		Warm up exercise : By revising previous topic	Project-based activity	Students will know how to create an interactive quiz game with scoring.	<ul style="list-style-type: none"> • To use Ask and Answer blocks for user interaction • To create a simple quiz game with scoring 	
		Passing Messages between Sprites Creating Chase Game		Day 4		Warm up exercise : By revising previous topic	Project-based activity	Students will know how to pass messages and create sprite interactions.	<ul style="list-style-type: none"> • To understand how sprites communicate using broadcast blocks • To create a chase game using multiple sprites 	
		Exercise		Day 4		Copy the clap pattern	Explanation with the help of textbook		Students will be able to answer questions.	