			6 th standard
S.No	Topic	Subtopic	Detail/Content
	-		What does the OS do? Managing Resources (files, memory, processes,
	Operating		I/O, Providing User Interface, Running Applications, Support for built-in
1	System	1.1) What is OS?	Utility Programs, Control Computer Hardware
	,	,	Windows, MacOS, Unix, Linux, Android, iOS (some history may be
			interesting – talk about mainframes, punched cards before Operating
		1.2) Types of OS	Systems)
		2.1) Windows Versions and	How to identify it? Where is it installed? What will get wiped out when
2	Windows	usage of OS.	you upgrade? Etc.
			Usage of gestures – two, three and four finger moves on the track pad
		2.2) Multi finger gestures.	at the same time.
		, 5 5	Common Folders. Drives. Storage of files. Moviny files within one drive
			or to different drives.
			Copying between folders.
			Different views in windows explorer.
			Using windows explorer
			Traversing a directory. Tree structure of directories.
			Deleting files. System trash folder.
		2.3) Folders, Icons, Apps	Copy, paste of files and directories.
		, , , , , , , , , , , , , , , , , , , ,	File extentions.
			What happens when you single click or double click on a file?
			Multiple ways to reach/open a file – through an app like OpenOffice or
			through Windows Explorer or through search.
			File properties – size, type, time created, time accessed, etc.
			Short cuts, Rename the file, folder.
		2.4) File	
			Usage of Task Manager, Killing a process. Processes and visible apps.
			System resources used by processes.
		2.5) Task manager	Ctrl+Alt+Del, Right click> Task manager.
3	Open office	3.1) Encoding	ASCII, EBCDIC, Unicode, UTF-8, UTF-16, UTF-32
			Object Wrapping [Right click on the shape and use some features],
		3.2) Text document.	Shadows, Highlight text, etc.
			How to create table, Insert row and column. Delete column cell and
		3.2.1) Table	row.
		3.3) Basics Spreadsheet	Introduction and usage of spreadsheet.
			It is basic unit of worksheet where numbers, text, formulae, etc, can be
		3.3.1) Cell	placed.
			Cells that are arranged horizontally are given numbers 1, 2, 3,is
		3.3.2) Row	called rows.
			Cells that are arranged vertically are given letters A, B, C,is called
		3.3.3) Column	columns.
		3.3.4) Sheet	Group of cells/rows+columns.
		3.3.5) Insert New Sheet	Insert a new sheet. Use in Insert tool.
		3.3.6) Cell properties	
		Cell Address	Current cell name.
		Merge cell/Split cell	To combine two or more cells.
		Wrap text	If the cell has insufficient space for the text use it to wrap the text.
		Cell border	Out line cell border.
		Formulas	It is Values and name function or operators. Only Sum operator.
		3.3.7) Editing Operation	Tells values and hame function of operators. Only sum operator.
		3.3.7) Editing Operation	Select and cut the cell or row or column. Press right click button click -
		Cut	_
	1	Lear	cut.

			Solost and convitte call or row or column than where you want to the
		Сору	Select and copy the cell or row or column then where you want to the place copy it.
		Paste	After cutting or copying in the document then paste in the other place.
		raste	Insert a new column. Use in Insert tool or else right click and choose
		Insert Column	_
		insert Column	option.
		Insert Row	Insert a new Row. Use in Insert tool or else right click and choose
			Option.
		Delete row	Choose the unwanted row click the right click button delete the row.
		Delete Column	Choose the unwanted Column click the right click button delete the Column.
		Resize Column/Row	Resize the Column and row.
		Dalata ah aat	Choose the unwanted sheet click the right click button delete the
		Delete sheet	Sheet.
		2.2.0) Simula famoula a conse	Freeze rows or columns, sort in ascending or descending order, Paste
		3.3.8) Simple formulae usage	special, Enter inside a cell (Ctrl+Enter).
		3.4) Presentation	Create a presentation.
4	Internet	4.1) Wi-fi	Connect to Wifi.
		4.2) Hotspot	Turn the hotspot on or off.
			Hypertext browsers, Lynx, Mosaic, Netscape, Communication Protocols
		4.3) Browser History	– Gopher, HTTP, FTP, etc. Data sharing – Usenet.
		4.3.1) Browsers	Types of Browsers, Chrome, Firefox, Edge, Internet Explorer.
	Introduction		
	of activity for	54) 5	
_	programmin	5.1) Procedural operations in	Harris Bard Aric 2
5	g	3*3 grid with real people.	Usage. Real Activity.
		5.2) Directions and	District to first state of the state of the state of
		orientation.	Right, left, straight. Absolute vs relative.
		5.3) Pseudo code or Flow	11
	<u> </u>	chart.	Hand written program.
	Basic		Describes a "simple" action Take on a star forward town with Town 1.50
	Programmin	C 1) Dragged unal autamaticus	Describes a "simple" action. Take one step forward, turn right. Turn left,
6	g	6.1) Procedural operations	emit a sound, write hello. etc.
		6.2) Sequence of operations.	Take a step forward – 5 times. Mix of operations in a defined order.
		6.3) Operators	Arithmetic, boolean, relational, etc.
		6.4) Loops	For, While, Until, Do While, Nested loops, Repeated condition.
		6.4.1) Activity	Activity for teach loop.
		6.5) Conditional statement	Simple If.
			If-then-else
			Else if ladder

-	1	1	7th standard
S.No	Topic	Subtopic	Detail/Content
			What does the OS do? Managing Resources (files, memory, processes,
	Operating		I/O, Providing User Interface, Running Applications, Support for built-in
1	System	1.1) What is OS?	Utility Programs, Control Computer Hardware
			Windows, MacOS, Unix, Linux, Android, iOS (some history may be
			interesting – talk about mainframes, punched cards before Operating
		1.2) Types of OS	Systems)
		2.1) Windows Versions and	How to identify it? Where is it installed? What will get wiped out when
2	Windows	usage of OS.	you upgrade? Etc.
		5	Usage of gestures – two, three and four finger moves on the track pad
		2.2) Multi finger gestures.	at the same time.
			Common Folders. Drives. Storage of files. Moviny files within one drive
			or to different drives.
			Copying between folders.
			Different views in windows explorer.
			Using windows explorer
			Traversing a directory. Tree structure of directories.
		2.2) Foldors Joans Anns	Deleting files. System trash folder.
		2.3) Folders, Icons, Apps	Copy, paste of files and directories.
			File extentions.
			What happens when you single click or double click on a file?
			Multiple ways to reach/open a file – through an app like OpenOffice or
			through Windows Explorer or through search.
			File properties – size, type, time created, time accessed, etc.
			Short cuts, Rename the file, folder.
		2.4) File	
			Usage of Task Manager, Killing a process. Processes and visible apps.
			System resources used by processes.
		2.5) Task manager	Ctrl+Alt+Del, Right click> Task manager.
3	Open office	3.1) Encoding	ASCII, EBCDIC, Unicode, UTF-8, UTF-16, UTF-32
			Object Wrapping [Right click on the shape and use some features],
		3.2) Text document.	Shadows, Highlight text, etc.
			How to create table, Insert row and column. Delete column cell and
		3.2.1) Table	row.
		3.3.9)Formulae, advance	Freeze rows or columns, sort in ascending or descending order, Paste
		usage.	special, Enter inside a cell (Ctrl+Enter).
		3.4) Presentation	Create a presentation.
4	Internet	4.1) Wi-fi	Connect to Wifi.
•	meernee	4.2) Hotspot	Turn the hotspot on or off.
		4.2) 110(3)00	Hypertext browsers, Lynx, Mosaic, Netscape, Communication Protocols
		4.2) Provisor History	– Gopher, HTTP, FTP, etc. Data sharing – Usenet.
		4.3) Browser History	
		4.3.1) Browsers	Types of Browsers, Chrome, Firefox, Edge, Internet Explorer. URLs. Address bar.
			Hover behavior Left and Right Click behavior
		4.4) Browsing and Navigating	Scroll. Resizing of the screen. Some things re display and some do not.
		through websites.	Forward and backward pages.
		4.5) Search	Search for pictures ,videos and specific websites.
		4.6) New tab	New tab creation – use of memory
		4.7) Downloading	Download and save the documents, Image, and videos.
		4.8) Uploading	. 5.
	Introduction	in a fine area of	
		5 1) Procedural operations in	
ς.		1 .	Usage Real Activity
5	of Advanced Activity	5.1) Procedural operations in 5*5 grid with real people.	Usage. Real Activity.

	<u> </u>	F 2) Dimentiana and	1
		5.2) Directions and	Dight left storight Absolute on relative
		orientation.	Right, left, straight. Absolute vs relative.
		5.3) Pseudo code or Flow	
		chart.	Hand written program.
	Basic		
	Programmin		Describes a "simple" action. Take one step forward, turn right. Turn left,
6	g	6.1) Procedural operations	emit a sound, write hello. etc.
		6.2) Sequence of operations.	Take a step forward – 5 times. Mix of operations in a defined order.
		6.3) Operators	Arithmetic, boolean, relational, etc.
		6.4) Loops	For, While, Until, Do While, Nested loops, Repeated condition.
		6.4.1) Activity (for loop)	Activity for FOR loop.
		6.5) Conditional statement	Simple If.
			If-then-else
			Else if ladder
		6.5.1) Activity (If-else)	Make a lesson plan for teach the if-else conditions.
	Advanced		
	programmin		
7	g	Using Scratch and Code.org	
			How to Insert a backdrop, Upload a backdrop from the local drive,
		7.1) Backdrop (Stage)	Create a new backdrop?.
			How to Insert a sprite, upload a sprite from local drive, create a new
		7.2) Sprite (Object)	sprite using paint?
			How to create a new costumes using paint, Know about the default
		7.3) Costumes	costumes.
		7.4) Motion	Move>How to move the object. (forward, backward)
		,	Turn left> Turn the specific angles in left.
			Turn right> Turn the specific angles in right.
			Axis> x,y positions.
		7.5) Looks	Text> Give the information by using text
		7.0, 200.0	Color> Change the color effect to sprite.
			Show> Show the sprite.
			Hide> Hide the sprite.
		7.6) Sound	How to use default sound and select the various sounds from the library
		7.0/300110	How to record sound?
		7.7) Don	Size> How to increase and decrease the size of pen.
		7.7) Pen	
			Color> Change the color of pen.
		7.8) Events	Basic events> Flag, key pressed, when sprite is clicked.
		7.9) Control	Wait
			Repeat
			Forever
			Conditional statement> How to check the conditions by using AND operators.
		7.10) Conditional Statement	Conditional statement> How to check the conditions by using variables and operators.
		7.11) Sensing	Touching mouse pointer.
			Touching the specific color.
		7.12) Variables	Storing state information.
		7.13) Functions	Usage of functions in programming.

		,	8 th standard
S.No	Topic	Subtopic	Detail/Content
			What does the OS do? Managing Resources (files, memory, processes,
	Operating		I/O, Providing User Interface, Running Applications, Support for built-in
1	System	1.1) What is OS?	Utility Programs, Control Computer Hardware
			Windows, MacOS, Unix, Linux, Android, iOS (some history may be
			interesting – talk about mainframes, punched cards before Operating
		1.2) Types of OS	Systems)
		2.1) Windows Versions and	How to identify it? Where is it installed? What will get wiped out when
2	Windows	usage of OS.	you upgrade?
			Usage of gestures – two, three and four finger moves on the track pad
		2.2) Multi finger gestures.	at the same time.
		, , ,	Common Folders. Drives. Storage of files. Moving files within one drive
			or to different drives.
			Copying between folders.
			Different views in windows explorer.
			Using windows explorer
			Traversing a directory. Tree structure of directories.
			Deleting files. System trash folder.
		2.3) Folders, Icons, Apps	Copy, paste of files and directories.
		2137 1 014213, 100113, 7 1005	File extensions
			What happens when you single click or double click on a file?
			Multiple ways to reach/open a file – through an app like OpenOffice or
			through Windows Explorer or through search.
			File properties – size, type, time created, time accessed, etc.
			Short cuts, Rename the file, folder.
		2.4) File	Short cuts, Kerlame the me, folder.
			Usage of Task Manager, Killing a process. Processes and visible apps.
			System resources used by processes.
		2.5) Task manager	Ctrl+Alt+Del, Right click> Task manager.
3	Open office	3.1) Encoding	ASCII, EBCDIC, Unicode, UTF-8, UTF-16, UTF-32
	<u> </u>	, 3	Object Wrapping [Right click on the shape and use some features],
		3.2) Text document.	Shadows, Highlight text, etc.
			How to create table, Insert row and column. Delete column cell and
		3.2.1) Table	row.
		3.3.9) Formulae & Advance	Freeze rows or coloumns, sort in ascending or descending order, Paste
		usage	special, Enter inside a cell (Ctrl+Enter).
		3.4) Presentation	Create a presentation.
	Internet	4.1) Wi-fi	Connect to Wifi.
	Internet	4.2) Hotspot	Turn the hotspot on or off.
		4.2) 110(3)0(	·
		4.3) Browson History	Hypertext browsers, Lynx, Mosaic, Netscape, Communication Protocols
		4.3) Browser History	- Gopher, HTTP, FTP, etc. Data sharing – Usenet.
		4.3.1) Browsers	Types of Browsers, Chrome, Firefox, Edge, Internet Explorer.
		4.4) Browsing and Navigating	URLs. Address bar. Hover behavior Left and Right Click behavior
		through websites.	Scroll. Resizing of the screen. Some things re display and some do not.
		4.5) Search	Search for pictures ,videos and specific websites.
		4.6) New tab	New tab creation – use of memory
		4.7) Downloading	Download and save the documents and videos.
		4.8) Uploading	Upload your document, audio, etc to a site
		4.9) Mail	Using E- Mail.
		4.10) Sent, Inbox and other	
	1	1120) Serie, Histor and Strict	
		Folders	How to send and receive? (Usage of Mail)

	Introduction of		
	Advanced	5.1) Procedural operations in	
_	Activity	5*5 grid with real people.	Usage. Real Activity.
	Activity	5.2) Directions and	Osage. Near Activity.
		orientation.	Right, left, straight. Absolute vs relative.
		5.3) Pseudo code or Flow	Inglit, left, straight. Absolute vs relative.
		chart.	Hand written program.
	Basic	Chart.	Describes a "simple" action. Take one step forward, turn right. Turn left,
6	Programming	6.1) Procedural operations	emit a sound, write hello. etc.
- 0	Frogramming	6.2) Sequence of operations.	Take a step forward – 5 times. Mix of operations in a defined order.
		6.3) Operators	Arithmetic, boolean, relational, etc.
		6.4) Loops	
		' '	For, While, Until, Do While, Nested loops, Repeated condition.
		6.4.1) Activity (for loop)	Activity for FOR loop.
		6.4.2) for loop	Example program for practice the for loop.
		6.5) Conditional statement	Simple If.
			If-then-else
		(5.5.4) 4 11 11 (15.1.1.)	Else if ladder
		6.5.1) Activity (If-else)	Make a lesson plan for teach the if- then-else conditions.
_	Advanced .		
7	programming	Using Scratch & Code.org	
		7.1) 5. 1.1. (6)	How to Insert a backdrop, Upload a backdrop from the local drive,
		7.1) Backdrop (Stage)	Create a new backdrop?.
		7 2) 6 11 (01 11)	How to Insert a sprite, upload a sprite from local drive, create a new
		7.2) Sprite (Object)	sprite using paint?
			How to create a new costumes using paint, Know about the default
		7.3) Costumes	costumes.
		7.4) Motion	Move>How to move the object. (forward, backward)
			Turn left> Turn the specific angles in left.
			Turn right> Turn the specific angles in right.
			Axis> x,y positions.
		7.5) Looks	Text> Give the information by using text
			Color> Change the color effect to sprite.
			Show> Show the sprite.
			Hide> Hide the sprite.
		7.6) Sound	How to use default sound and select the various sounds from the library
			How to record sound?
		7.7) Pen	Size> How to increase and decrease the size of pen.
			Color> Change the color of pen.
		7.8) Events	Basic events> Flag, key pressed, when sprite is clicked.
		7.8.1) Custom events	Broadcast the message and wait.
		7.9) Control	Wait
			Repeat
			Forever
		7.40\0.10	Conditional statement> How to check the conditions by using variables and
		7.10) Conditional Statement	operators.
		7.11) Sensing	Touching mouse pointer.
			Touching the specific color.
		7.12) Variables	Storing state information.
		7.13) Functions	Usage of functions in programming.
		7.13.1) Pre-defined Functions	Usage of pre-defined functions in programming.
		7.13.2) User-defined Functions	Usage of user-defined functions in programming.