

**SRI LANKAN SCHOOL - MUSCAT      SCHEME OF WORK      ACADEMIC YEAR 2016 / 2017**

**CLASS : 5 B/G/R      SUBJECT: ICT      TEACHER : Ms. Chandima Vitharana / Ms. Surini Jayasuriya**

Month	No.of Periods	Unit	Activity	Intended Learning Objectives	Remarks
<b>September</b>					
<b>School Reopens - 1st Term</b>					
Week 1	2	Applications of computers	Discuss with students and share their experience about the latest technologies available in the world today	To be able to familiarize with the new technologies available in the present world	
Week 2	2	Eid Holiday			
Week 3	2	Applications of computers	Explain the concepts of different computing technologies such as embedded, mobile, wearable, implanted computing	To be able to identify a range of computing technologies and its impact on humans	
Week 4	2	Applications of computers	Discuss how computers can be applied in Education industry to enhance the teaching - learning experience	To analyze the use of computers in various fields to collect, analyze, evaluate and present data	
Week 5	2	Applications of computers	Discuss how computers can be applied in Healthcare and Entertainment industry to enhance the teaching - learning experience		
<b>October</b>					
Week 6	2	MONTHLY TEST - Take Home Assignment			
		Applications of computers	Discuss how technologies such as Augmented Reality, Virtual Reality can be used to enhance gaming experience Practically demonstrate VR experience	To analyze the use of computers in various fields to collect, analyze, evaluate and present data	
Week 7	2	Digital Editing	Discuss the characteristics of a good presentation Demonstrate how to customize images to suit the presentation	To be able to demonstrate the skills in using Image Editing tools to gather media for a presentation	
Week 8	2	Digital Editing	Demonstrate how to create own sounds and effects to suit the presentation	To be able to demonstrate the skills in using Sound Editing tools to gather media for a presentation	
Week 9	2	Digital Editing	Explain how to plan the layout and the flow of the presentation using manual methods such as sketching	To be able to effectively plan a presentation	
Week 10		Digital Editing	Demonstrate how to digitally convert the previously planned presentation through Presentation tools	To be able to demonstrate the skills in using offline Digital Presentation tools to create an effective presentation	
<b>November</b>					
Week 11	2	MONTHLY TEST			
Week 12	2	Digital Editing	Demonstrate how to use other tools (online) to create effective presentation	To be able to demonstrate the skills in using online Digital Presentation tools to create an effective presentation	
Week 13	2	Digital Editing	Discuss the importance of soft skills to make the presentation attractive and productive through practical demonstration sessions	To develop the soft skills needed to for an effective presentation	
Week 14	2	REVISION			
<b>December</b>					
Week 15	2	First Term Practical Test			
Week 16	2	FIRST TERM END EXAMINATION			
Week 17	2	Correction of papers and preparing progress reports			
Week 18	2	DECEMBER VACATION			
<b>January</b>					
<b>School Reopens - 2nd Term</b>					
Week 19	2	DECEMBER VACATION			
Week 20	2				
Week 21	2	Modeling Data	Gather information for a real life scenario and enter them into spreadsheets	To be able to collect data and model them logically	
Week 22	2	Modeling Data	Obtain results for a given scenario through sorting and filtering	To be able to analyze data in multiple ways to obtain different results	
Week 23	2	Modeling Data	Create spreadsheets for given scenarios and process data using functions	To be able apply functions to manipulate data and obtain necessary information	
Week 24	2	Modeling Data	Generate charts for data gathered and processed	To be able to present data using appropriate techniques	
MONTHLY TEST					
<b>February</b>					
Week 24	2	World of Codes	Explain the concept of algorithms and generate flow charts for carrying out instructions in a sequence or based on a decision	To be able to apply the concepts of sequence and selection to create algorithms	
Week 25	2	World of Codes	Use a graphical tool to represent the flowcharts Generate flowcharts for repeating instructions to fulfill a condition	To be able to graphically represent the algorithms / apply concept of repetition to create algorithms	
Week 26	2	World of Codes	Create pseudocodes for given examples and check whether the results are generated as expected	To be able to structure and test the logic of algorithms	
Week 27	2	World of Codes	Discuss the stages involved in developing a software	To be able to analyze the Systems Development Life Cycle	

Week 27				MONTHLY TEST	
<b>March</b>					
Week 28				REVISION	
Week 29				Second Term Practical Test	
Week 30				SECOND TERM END EXAMINATION	
Week 31				Paper Correction	
<b>April</b>					
Week 32				Correction of papers and preparing progress reports	
Week 33				APRIL VACATION	
Week 34				School Reopens for Third Term	
Week 35	2	Communication is Everything	Discuss what is a network and how networks are used in real life for sharing resources and information. E.g: The internet.	To be able to understand the concept of networking and its practical applications.	
<b>May</b>					
Week 36	2	Communication is Everything	Demonstrate knowledge in identifying Ring, Star, Bus topologies and their pros and cons Discuss about the types of networks such as HAN LAN WAN	To be able to identify various types of networks and their topologies.	
Week 37	2	Communication is Everything	Discuss the use of VoIP, Social Media and Cloud Computing including its benefits and risks.	To be able to demonstrate familiarity and usage of communication and collaboration tools.	
Week 38	2	It's Programming Time	Create simple algorithms to move objects using a programming language	To be able to demonstrate understanding in constructing algorithms for sequence	
Week 39	2	It's Programming Time	Create simple algorithms with repeating instructions to given scenarios	To be able to demonstrate understanding in constructing algorithms for Iteration	
Week 40	2	It's Programming Time	Create advance algorithms using the concepts of sequence, selection and iteration for the given scenarios	To be able to demonstrate understanding in constructing algorithms for Selection	
MONTHLY TEST					
<b>June</b>					
Week 41	2			REVISION	
Week 42	2			Third Term Practical Test	
Week 43	2			THIRD TERM END EXAMINATION	
Week 44	2			EID HOLIDAYS	
<b>July</b>					
Week 45				Paper Correction and Progress Reports making	
END OF ACADEMIC TERM / SUMMER VACATION					