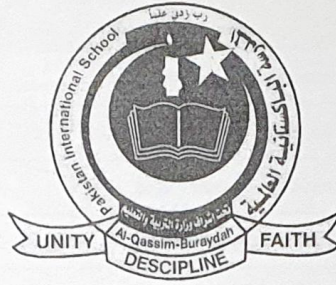


PAKISTAN INTERNATIONAL SCHOOL BURAYDAH,
AL-QASSIM. SAUDI ARABIA.



COMPUTER SYLLABUS

CLASS VIII (Federal)

PAKISTAN INTERNATIONAL SCHOOL, BURAIDAH
SYLLABUS BREAKUP

Class: 8Th Fed Subject: Computer Science

Number of Teaching Weeks in First Term: (1 - 14)

Number of Teaching Weeks in Second Term: (15 - 28)

Week No.	Chapter No.	Day	Topic	Book Page Numbers
1	Unit # 1 Computer Systems	Day 1	Brief History of Computer System Reading	7,8
		Day 2	Brief History of Computer System Reading	9
		Day 3	Brief History of Computer System Reading	10, 11
		Day 4	Brief History of Computer System Reading	12
2	Unit # 1 Computer Systems	Day 1	Understanding Systems and their Types	12
		Day 2	Understanding Systems and their Types	13
		Day 3	Understanding Systems and their Types	14
		Day 4	Understanding Systems and their Types	15
3	Unit # 1 Computer Systems	Day 1	Core Components of a Computer System	15
		Day 2	Core Components of a Computer System	16
		Day 3	Core Components of a Computer System	17,18
		Day 4	Core Components of a Computer System	19,20
4	Unit # 1 Computer Systems	Day 1	Von Neumann Architecture	21
		Day 2	Von Neumann Architecture	22
		Day 3	Data Transmission with Computer System	23
		Day 4	Data Transmission with Computer System	24
5	Unit # 1 Computer Systems	Day 1	Types and Hierarchy of Computer Memory	25
		Day 2	Types and Hierarchy of Computer Memory	26, 27
		Day 3	Types and Hierarchy of Computer Memory	28
		Day 4	Types and Hierarchy of Computer Memory	29

Week No.	Chapter No.	Day	Topic	Book Page Numbers
6	Unit # 1 Computer Systems	Day 1	Software Engineering and Hardware Engineering	30
		Day 2	Computer Software	31
		Day 3	Computer Software	32,33
		Day 4	Computer Software	34,35
7	Unit # 1 Computer Systems	Day 1	Computer Software	36
		Day 2	Computer Software	37,38
		Day 3	Data Communication	39
		Day 4	Data Communication	40, 41
8	Unit # 1 Computer Systems	Day 1	Data Communication	42, 43
		Day 2	Data Communication	44-49
		Day 3	Switching	50, 51
		Day 4	Data Communication	52, 53, 54
9	Unit # 1 Computer Systems	Day 1	Exercise	
		Day 2	Exercise	
		Day 3	Test in Short Questions	
		Day 4	Test in Long Questions	
10	Unit # 2 Computational Thinking & Algorithm	Day 1	Problems	66
		Day 2	Identifying a Computing Problem	67
		Day 3	Identifying a Computing Problem	68, 69
		Day 4	Problem Solving	70
11	Unit # 2 Computational Thinking & Algorithm	Day 1	Input Processing output Model	71
		Day 2	Input Processing output Chart	71
		Day 3	Computational Thinking	75
		Day 4	Computational Thinking	73

Week No.	Chapter No.	Day	Topic	Book Page Numbers
12	Unit # 2 Computational Thinking & Algorithm	Day 1	Computational Thinking	74
		Day 2	Principles of Computational Thinking	75
		Day 3	Method to Design a Solution	76
		Day 4	Method to Design a Solution	77
13	Unit # 2 Computational Thinking & Algorithm	Day 1	Method to Design a Solution	78
		Day 2	Method to Design a Solution	79, 80
		Day 3	Method to Design a Solution	81, 82
		Day 4	Exercise	
14		Day 1	Revision Test in Unit # 2	
		Day 2	Revision Test in Unit # 2	
		Day 3	Revision Test in Unit # 1	
		Day 4	Revision Test in Unit # 1	
15	Unit # 3 Programming Fundamental	Day 1	Introduction	88
		Day 2	Introduction to Programming	89
		Day 3	Introduction to Programming	90
		Day 4	HTML	91
16	Unit # 3 Programming Fundamental	Day 1	Introduction to HTML	92
		Day 2	Tags in HTML	93
		Day 3	Components of HTML	94
		Day 4	Components of HTML	95
17	Unit # 3 Programming Fundamental	Day 1	Practicing HTML	96-99
		Day 2	Practicing HTML	96-99
		Day 3	Practicing HTML	96-99
		Day 4	Cascading Style Sheet (CSS)	99

Week No.	Chapter No.	Day	Topic	Book Page Numbers
18	Unit # 3 Programming Fundamental	Day 1	Cascading Style Sheet (CSS)	100
		Day 2	Cascading Style Sheet (CSS)	101
		Day 3	Cascading Style Sheet (CSS)	102,103
		Day 4	Cascading Style Sheet (CSS)	104-107
19	Unit # 3 Programming Fundamental	Day 1	Cascading Style Sheet (CSS)	105-106
		Day 2	Java Script	107
		Day 3	Programming the Java Script	108, 109
		Day 4	Programming the Java Script	110
20	Unit # 3 Programming Fundamental	Day 1	Programming the Java Script, Operators	111
		Day 2	Programming in the Java Script, Conditional Statement	112
		Day 3	Programming in Java Script	113
		Day 4	Programming in Java Script	114
21	Unit # 3 Programming Fundamental	Day 1	Programming in Java Script	115
		Day 2	Arrays in Java Script	116
		Day 3	Functions in Java Script	117
		Day 4	Programming in Java Script	118
22	Unit # 3 Programming Fundamental	Day 1	Debugging	119
		Day 2	Creating a Website	120
		Day 3	Exercise	122
		Day 4	Exercise	123
23	Unit # 3 Programming Fundamental	Day 1	Test in Short Questions	
		Day 2	Test in Long Questions	
		Day 3	Revision and Practical Activity	
		Day 4	Revision and Practical Activity	

Week No.	Chapter No.	Day	Topic	Book Page Numbers
24	Unit # 4 Data and Analysis	Day 1	Introduction to Data and Analysis	126
		Day 2	Data Science, Concepts of Data Science	127
		Day 3	Scope and Application of Data Science	128
		Day 4	Business Problems and Data Science	128
25	Unit # 4 Data and Analysis	Day 1	Data Types and Data Science	129
		Day 2	Dataset and Database	130
		Day 3	Role of Database in Data science	130
		Day 4	Case Study for the use of Database and Data Science	131
26	Unit # 4 Data and Analysis	Day 1	Case Study for the use of Database and Data Science	131
		Day 2	Case Study for the use of Database and Data Science	131
		Day 3	Data collection in Data Science	132
		Day 4	Data Storage	133
27	Unit # 4 Data and Analysis	Day 1	Big Data	134
		Day 2	The history of Big Data	134
		Day 3	Big Data Challenges	135
		Day 4	Internet of things IoT	136
28	Unit # 4 Data and Analysis	Day 1	Exercise	138,139
		Day 2	Revision Test	
		Day 3	Revision Test	
		Day 4	Revision Test	