

Computer Science Long Term Plan Year 10 & 11



Long Term Scheme of Work

ICT Autumn 1st Half Term	
Link	Computer Systems 1 week
Link	Expressions & Types 1 week
Link	Variables & Constants 1 week
Link	Selection 3 weeks
Link	Input/Output Devices 1 week
Link	Bits & Bytes 1 week
Spring 1st Half Term	
Link	Functions & Procedures 5 weeks
Link	Scope 1 week
Summer 1st Half Term	
Link	Sound 2 weeks
Link	Secondary Storage 2 weeks
Link	Bitmap Images 1 week
	Networks 1 week



Year 10&11 2015-17 Computer Science Outline Scheme of Work

September							October							November							December																																						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30

C:classes
10B/CS1
10E/CS1

Holidays
Computer Systems
Expressions & Types
Variables & Constants
Selection
Input/Output Devices
Bits & Bytes
Flowcharts
Trace Tables
Errors
Character Sets & Number Systems
Instructions & the CPU
Functions & Procedures
Scope
Arrays
Boolean Operations
Networks
Sound
Secondary Storage
Bitmap Images
Computer Technology in Society
Software Development Lifecycle
Memory
External Code Sources
External Database (Text)
External Databases (SQL)
Client Side Programming
Server Side Programming
Bespoke Data Structure
Algorithms
Repetition
Language Libraries

ICT Autumn 2nd Half Term	
Link	Flowcharts 1 week
Link	Trace Tables 1 week
Link	Errors 1 week
Link	Character Sets & Number Systems (2 weeks)
Link	Instructions and the CPU 2 weeks
Spring 2nd Half Term	
Link	Arrays 3 weeks
Link	Boolean Operations 2 weeks
Link	
Summer 2nd Half Term	
Link	Computer Technology in Society 2 weeks
Link	Software Development Lifecycle 2 weeks
Link	Memory 2 weeks

ICT	
Year 11 Autumn 1st Half Term	
Link	External Code Sources 2 weeks
Link	External Databases (Text) 2 weeks
Link	External Databases (SQL) 4 weeks
Year 11 Spring 1st Half Term	
	Bespoke Data Structure 4 weeks
	Algorithms 2 weeks

ICT	
Year 11 Autumn 2nd Half Term	
Link	Client Side Programming 3 weeks
Link	Client Server Model 1 week
Link	Server Side Programming 4 weeks
Year 11 Spring 2nd Half Term	
	Repetition 4 weeks
	Language Libraries 3 weeks