

Year 11 Visual Basic

Comments	'Author:	
Types	Numbers	Integer
		Real
	Characters	ASCII
		Unicode
	Boolean	
Strings		
Assignment	=	
Constant	Const	
Arithmetic Operators	+,-,*,/,^,mod	
Logical Operators	And,Not,Or,Xor	
Relational Operators	=,<>,<,>,<=,>=	
Data Structures	Arrays	
	Types	
Conditional Selection	if then	
	if then else	
	elseif	
	Select	

Loops	GoTo
	For next
	While whend
	do until

Program Structure	Functions
	Procedures

I/O	Polled/Interrupt driven
-----	-------------------------

Year 12 Java

Comments	//Author:	
Types	Numbers	Integer
		Real
	Characters	ASCII
		Unicode
	Boolean	
Strings		
Assignment	=	
Constant	final	
Arithmetic Operators	+,-,*,/,%	
Logical Operators	And,Not,Or,Xor	
Relational Operators	==,!=,<,>,<=,>=	
Data Structures	Arrays	
	Vectors	
Conditional Selection	if	
	if else	
	elseif	
	switch	
	Try	
Loops	GoTo	
	For next	
	While whend	
	do until	
	Recursion	
Program Structure	Methods	
	Class	
	Interface	
	Package	
I/O	Polled/Interrupt driven	
	Standard	
	File	

Year 11

Hardware (Binary Data)	Input Devices
	Output Devices
	Storage Devices
	Processing Devices (CPU, Logic Gates)
	System Software
	☞ word processing

Year 12

Spread Sheets	Types and Formats
	Absolute and relative Referencing
	statistical, financial, and logical functions;
	Time and date calculations;
	Sorting

Software	Application Softwa	spreadsheet, database graphics, desktop publishing communication.
Ergonomic principles for the safe operation of a personal computer system.		
file management		
Ethics in relation to the management of data held in computer systems. (copyright, piracy, individual privacy, and organisation confidentiality)		
Threats to data stored on a personal computer system.		

	Macros
	Graphs
Representing numbers	Sign & Magnetude
	One's complement
	Two's complement
	Floating Point

Year 13 Java/SQL/PHP				
SQL	PHP	Comments	//Author:	
		Types	Numbers	Integer Real
			Characters	ASCII Unicode
				Boolean
			Strings	
			Assignment	=
		Constant	Define()	
		Arithmetic Operators	+, -, *, /, %	
		Logical Operators	And, Not, Or, Xor	
		Relational Operators	==, !=, <, >, <=, >=	
		Data Structures	Arrays	
			Vectors	
		Conditional Selection	if then	
			if then else	
			elseif	
			switch	
			Try	
		Loops	GoTo	
			For next	
			While whend	
do until				
Recursion				
Program Structure	Methods			
	Class			
	Interface			
IO	Package			
	Polled/Interrupt driven			
	Standard			
Dynamic Data Structures	File			
	Stacks, Ques, Trees			
SQL & Relational Database design	Data Base Relationships (One-One, One-Meany...)			
	Queries			
	ER Diagrams			
	Tabels			
	Keys			
	Normalisation			
PHP	Forms and reports			

Year 13	
DataComs	Computer, sender, receiver, transmission media, telecommunications provider
	WANs and LANs
	LAN configurations of ring, star, and bus.
	Medium access control protocols, Ethernet, token ring,
	Transmission Control Protocol/Internet Protocol (TCP/IP).

Telecommunications WANs- voice, data, packet switch, ISDN, frame relay, ATM.
--

Data compression

Data encryption.
