

Proposed Date/Week Term 1	Unit/Section	Topic	Modules		
Week 1	Getting Started with Form 3 IT	<i>Course Outline Website login http://e-teach.info</i>	Course requirements: Government Laptops and Text Book, Topic listing, assessment info. Expectations		
Week 2			Website login information.		
Week 3	PROBLEM-SOLVING AND PROGRAM DESIGN	1. Steps in problem-solving <i>pgs 109-111</i>	Definition of a problem		
			Definition of a solution		
			Define the steps to problem solving		
			Define an Algorithm		
Week 4			2. Decompose a simple problem <i>Pgs 112-116</i>	2.1 The components are: input; process; storage; output	
				2.2 Input-Processing-Output table	
				2.3 Worked examples on problem decomposition	
Week 5				Worked examples with regular polygons	
Week 6			3. Program Storage <i>Variables and constants.</i> <i>pg 116-117</i>	3.1 Define a variable	
				3.2 Define a constant	
				3.3 Use cases for each Home work for marks Pgs 120 - 121	
			Week 7		4. Program Storage <i>Data types</i> <i>Pgs 118-119</i>
	4.2 Real				
Week 8			4.3 Character, String		
Week 9			4.4 Boolean		
Week 10			4.5 Literal		
Week 11			Program Storage Data is represented in memory. Binary and ASCII		
Week 11		5. Representing Computer Algorithms <i>Pgs 122 – 124</i>	Written Assessment		
			5.1 Definition of the Computer Algorithm		
			5.2 Characteristics of a Computer Algorithm		
			5.3 Define a Flow Chart		
Week 12 - 13		6. Computer algorithm design and testing.	5.4 Introduction to Flow Chart symbols Home work for marks		
			6.1 Sequential Logic (arithmetic operators) pg 124 6.1.1 Flow charts and trace tables		
			6.2 Decision Logic (relational operators) pg 126 6.2.1 Flow charts and trace tables pg 135		
			6.3 Final assessment (online – submission) Use a flow chart / pseudocode to solve a problem Test the solution via a trace table		
		Review Activities	Final Assessment Due – Sun Nov. 30th, 2014		