# Year 9 Pre-Option

### Intent:

To develop an understanding and love of Computer science which enables students to make informed choices for their future education, destination and career.

To develop skills that can be transferred and used in other subjects and in workplaces.

To increase life chances of students through positive outcomes.

																							We	eks																										
Staffing		1	. 2	3	4		1	2	3	4	5	6	7	8	1	2	3	4	5	6	7		1	2	3	4	5		1	2	3	4	5	6		1	2	3	4	5	6	7	8	9		1	2	3	4	
Starring	-						30th August - 20th October							7th I	Vove	mber	- 22n	d Dec	embe	er		8th J	anuar	y - 9tl	n Febr	uary		1	9th Fe	bruary	/ - 28th	Marcl	h				15tl	h Apri	il - 14tl	n Jun	ie					25th J	une -			
		26-Jun	03-Jul	10-Jul	17-Jul		28-Aug	04-Sep	11-Sep	18-Sep	25-Sep	02-Oct	09-Oct	16-Oct	06-Nov	13-Nov	20-Nov	27-Nov	04-Dec	11-Dec	18-Dec	-	08-Jan	15-Jan	22-Jan	29-Jan	05-Feb	-	19-Feb	26-Feb	04-Mar	11-Mar	18-Mar	25-Mar		15-Apr	22-Apr	29-Apr	06-May	13-May	ZU-INIAY	27-May	03-Jun	10-Jun		24-Jun	01-Jul	08-Jul	15-Jul	
DFR	Academic Plan		Slack	Basics of System Architecture	of System	Summer Holiday (5 weeks)	Basics of System Architecture	Basics Memory and Storage	Slack	Basics of Computer networks		of Network	Basics of Network Security	of System	Basics of System Software	Basics of Ethical Legal Cultural	Basics of Ethical Legal Cultural	Slack	Christmas Holiday (2 weeks)	Basic Gui Programming (Scratch)	Basic Gui Programming (Scratch)	Microbits programming	Microbits programming	Microbits programming	Half Term (1 week)	Python command line programming	Python command line programming		Flow charts	Flow charts	Slack	Easter (2 weeks)	basics of Boolean logic	basics of Boolean logic	of	Importance of testing.	Slack	End of topic project	Planning - Flowchart	Develop - Python/Microbits Testing		Half Term (1 week)					Summer Holiday			

### Sequence of Units:

The sequence of units is in line with the OCR GCSE Specification which would be studied in KS4 if chosen as an option.

## Implementation:

Course materials are pre-prepared for all units in line with the specification.

Online End of unit knowledge tests for each topic with an end of course project

Assessments are teacher assessed.

## **Recall of Material:**

Topics will build on previous lessons, topics and units and relevant knowledge will be revisited in those lessons.

End of course project will assess the recall of all topics.