

Year 8 Computer Science

Intent:

Students will develop skills learn in year 7 ICT as well as introducing basic computer science alongside terminology and skills

This will include different programming types as well as programming principles.

They will also develop knowledge in the hardware and software and link these to programming.

Staffing									
Academic Plan									
1	2	3	4						
26-Jun	03-Jul	10-Jul	17-Jul						
Intro and expectations									
Introduction to Graphical programming									
Slack time									
Summer Holiday (5 weeks)									
1	2	3	4	5	6	7	8		
28-Aug	04-Sep	11-Sep	18-Sep	25-Sep	02-Oct	09-Oct	16-Oct		
Internet Safety								Assessment	
Half Term (2 weeks)									
1	2	3	4	5	6	7			
06-Nov	13-Nov	20-Nov	27-Nov	04-Dec	11-Dec	18-Dec			
Programming							Assessment		
Christmas Holiday (2 weeks)									
1	2	3	4	5					
08-Jan	15-Jan	22-Jan	29-Jan	05-Feb					
Algorithms & Boolean					Assessment				
Half Term (1 week)									
1	2	3	4	5	6				
19-Feb	26-Feb	04-Mar	11-Mar	18-Mar	25-Mar				
Effective internet use						Assessment			
Easter (2 weeks)									
1	2	3	4	5	6	7	8	9	
15th April - 14th June									
15-Apr	22-Apr	29-Apr	06-May	13-May	20-May	27-May	03-Jun	10-Jun	
Hardware, Software & Data									
Assessment									
Half Term (1 week)									
1	2	3	4						
25th June -									
24-Jun	01-Jul	08-Jul	15-Jul						
Personal project				Assessment					
Summer Holiday									

Sequence of Units:

The sequence of units maps closely to the computing curriculum and topic order is based on natural flow of learning.

Implementation:

Course materials are developed based on lessons from external recourses that are complimented and adapted but personal planning and resource development.

The unites are set, delivered and marked online

End of unit assessment is completed online and is a mixture and tests and document creation assessments

Assessments are teacher assessed with data recorded online.

2 week assessment blocks to allow for catchup/slack, can be compressed to a single week

Recall of Material:

They are revisiting aspects of the Year 7 curriculum and as part of the lessons, looking back to previous lessons and topics.

Mock examinations will be analysed with the students and will inform next steps for progress in terms of content/ technique.