Year 10 Long Term Scheme of Learning 2023-24

Computer Science

Date	Exams/ Assess	Unit(s)
4/9/23		Introduction to the course – intro task **3.3 Fundamentals of data representation** • 3.3.1 Number bases • 3.3.2 Converting between number bases • 3.3.3 Units of Information • 3.3.4 Binary arithmetic • 3.3.5 Character encoding • 3.3.6 Representing images • 3.3.7 Representing sound • 3.3.8 Data compression End of unit test on 3.3 Fundamentals of data representation
11/9/23		
18/9/23		
25/9/23		
2/10/23		
9/10/23		
16/10/23		
30/10/23		**3.4 Computer Systems** • 3.4.1 Hardware and software • 3.4.2 Boolean logic • 3.4.3 Software classification • 3.3.4 Classification of programming languages • 3.4.5 Systems architecture End of unit test on 3.4 Computer Systems to incorporate some questions from Unit 3.3
6/11/23		
13/11/23		
20/11/23		
27/11/23		
4/12/23		
11/12/23		
1/1/24		(Assessment on units 3.3 and 3.4 during the assessment weeks) **3.2 Programming** As the programing theory concepts are taught, students will also program in Python • 3.2.1 Data types • 3.2.3 Arithmetic operations in a programming language • 3.2.4 Relational operations in a programming language • 3.2.5 Boolean operations in a programming language • 3.2.7 Input/output **3.5 Networking (taught at the same time as programming)**
8/1/24		
15/1/24		
22/1/24		
29/1/24		
5/2/24		
12/2/24		
26/2/24		**3.2 Programming** • 3.2.2 Programming concepts **3.5 Networking (taught at the same time as programming)** End of unit test on 3.5 Networking
4/3/24		
11/3/24		
18/3/24		
25/3/24		
15/4/24		**3.2 Programming** • 3.2.2 Programming concepts **3.1 Fundamentals of Algorithms (taught at the same time as programming)** • 3.1.1 Representing algorithms
22/4/24		
29/4/24		
6/5/24		
13/5/24		
20/5/24		
3/6/24		**3.2 Programming** • 3.2.2 Programming concepts **3.1 Fundamentals of Algorithms (taught at the same time as programming)** • 3.1.1 Representing algorithms (Assessment on units 3.1 (part), 3.2 (part), 3.3, 3.4 and 3.5 during the assessment weeks)
10/6/24		
17/6/24		
24/6/24		
1/7/24		
8/7/24		
15/7/24		