

Key Stage 5 Curriculum Map 2020 - 2021

Term 2

Subject: Computer Science	Year: 12	
Focus/Topic	UAE Links	Home Learning / Reading
<ul style="list-style-type: none"> • Coding Systems <ul style="list-style-type: none"> ○ Analogue and Digital audio ○ Sound Compression & Nyquist theory ○ Sound Synthesis ○ assessments 		Reading: Alevel textbook Home learning: as per lesson resources on MS Teams
<ul style="list-style-type: none"> • Encryption • Catch up and revision 		Reading: Alevel textbook Home learning: as per lesson resources on MS Teams
<ul style="list-style-type: none"> • Mocks 		Reading: Alevel textbook Home learning: as per lesson resources on MS Teams
<ul style="list-style-type: none"> • Mocks 		Reading: Alevel textbook Home learning: as per lesson resources on MS Teams
<ul style="list-style-type: none"> • Hardware and software • Classification of programming languages and translation • Assembly Language 		Reading: Alevel textbook Home learning: as per lesson resources on MS Teams
<ul style="list-style-type: none"> • Assessment • Logic Gates • Boolean Algebra • Simplifying Boolean Expressions including De Morgan's Law 		Reading: Alevel textbook Home learning: as per lesson resources on MS Teams
Half Term		
<ul style="list-style-type: none"> • Simplifying Boolean Expressions including De Morgan's Law • Assessment 		Reading: Alevel textbook Home learning: as per lesson resources on MS Teams
<ul style="list-style-type: none"> • Hardware 		Reading: Alevel textbook

<ul style="list-style-type: none"> • Von Neumann architecture 		Home learning: as per lesson resources on MS Teams
<ul style="list-style-type: none"> • Characteristics of a processor • Machine Code Instructions • Fetch-Execute Cycle 		Reading: Alevel textbook Home learning: as per lesson resources on MS Teams
<ul style="list-style-type: none"> • Assessments • Moral, legal, ethical, cultural issues 		Reading: Alevel textbook Home learning: as per lesson resources on MS Teams
<ul style="list-style-type: none"> • Moral, legal, ethical, cultural issues • Networking • Skeleton program 		Reading: Alevel textbook Home learning: as per lesson resources on MS Teams

Spring Break