

Key Stage 4 Curriculum Map 2019 - 2020

Term 2

Subject: Computer Science	Year: 11	
Focus/Topic	UAE Links	Home Learning / Reading
<ul style="list-style-type: none"> • Arrays and lists • Two dimensional arrays 		Python textbook – reading and activities
<ul style="list-style-type: none"> • Handling external data • Mini programming assessment 		
<ul style="list-style-type: none"> • Flowcharts • Sorting and searching 		
<ul style="list-style-type: none"> • Functions and Procedures • Pseudocode 		
<ul style="list-style-type: none"> • Type of errors • Mini assessment 		
<ul style="list-style-type: none"> • 20 code challenges and skill builder 		
Mid Term Break		
<ul style="list-style-type: none"> • Abstraction • Trace tables 		Python textbook – reading and activities
<ul style="list-style-type: none"> • Searches (Theory) <ul style="list-style-type: none"> ○ Linear ○ Binary • Sorting (Theory) <ul style="list-style-type: none"> ○ Bubble ○ Merge 		
<ul style="list-style-type: none"> • Structured programming • Robust and Secure Programming • Classification of Programming Languages <ul style="list-style-type: none"> ○ Low level 		

<ul style="list-style-type: none"> ○ High level ○ Machine code ○ Assembly language 		
<ul style="list-style-type: none"> • Skelton program preparations 		Skelton program activities
Assessment Weeks		
Spring Break		