/Computing@Balcarras_



SUBJECT		YEAR	
A-Level Computer Science (OCR)		12	1
	UNIT		
Basic	Data Structures	i	
	INTENT		
PRIOR LEARNING (TOPIC) – GCSE Programming	g Units		
Once pupils are starting to get more confident with programming, we can introduce a set of more advanced units. The first of which looks at what we can consider basic data structures. This includes studying structures such as arrays, tuples, stacks and queues.		, we can t what we can	Specification Points: This unit covers points 1.4.2 and 2.3.1.b
FUTURE LEARNING (TOPIC): Advanced Data Str	ructures and Prog	gramming Project	
IMPLEMENTATION			IMPACT
 Throughout the unit pupils will cover: Core data structures such as arrays, tuples and records. Handling data structures in multiple dimensions. How to create and use stack and queue data structures, including knowing the algorithms for common behaviours. 		 Assessment: Pupils will sit a 40 mark in lesson assessment at the end of the unit the score from which will be translated into an A* to E style grading. In addition to this, pupils will complete regular exam style questions both durin lesson and as part of homework tasks. 	
HOW CAN PARENTS HELP AT HOME?			
All course materials are available via Firefly. In the supporting their child's revision. This can include explain topics to you.	•	•	
HELPFUL READING/FURTHER DISCUSSION	1		
READING/EXTRA-LEARNING There are an enormous number of online courses and tutorials to help pupils develop their computer science skills further.	The skills / knowledge learnt in this Digital unit lead perfectly into a wide range Probler		

Mutable, Immutable, Homogeneous, Heterogeneous, Dynamic, Static.