

Specification mapping

	OCR GCSE (J277)	OCR GCE AS Level (H046)	OCR GCE A Level (H446)	AQA GCSE (8525)	AQA GCE AS Level (7516)	AQA GCE A Level (7517)	Pearson Edexcel GCSE (1CP2)	WJEC GCSE (C00/1157/9)	WJEC GCE AS Level (601/5391/X)	WJEC GCE A Level (601/5345/3)	Cambridge IGCSE (0984) 2023-2025	Oxford AQA IGCSE (9210)	Pearson Edexcel IGCSE (4CP0)
Array	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Binary tree			✓			✓				✓			
Dictionary						✓							
Graph			✓			✓							
Linked list			✓							✓			
List	✓	✓	✓				✓			✓			
Object			✓			✓		✓	✓	✓			
Queue		✓	✓			✓				✓			
Record	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Stack		✓	✓		✓	✓				✓			
Binary search	✓	✓	✓	✓		✓	✓	✓	✓	✓		✓	✓
Hash table search			✓			✓				✓			
Linear search	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
Bubble sort	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
Insertion sort	✓	✓	✓						✓	✓			
Merge sort	✓		✓	✓		✓	✓	✓		✓		✓	✓
Quick sort			✓							✓			
A* pathfinding			✓*										
Dijkstra's shortest path			✓*			✓				✓			

* Students are not required to write code for this algorithm – only to know how the algorithm works and be able to trace its pseudocode.