

OCR Computer Science A Level

2.2.2 Computational Methods

Extra Resources



What is decomposition?

<http://steamism.com/compsci-decomposition/>

Computational Thinking, Problem-Solving, and Programming - Wikibooks

https://en.wikibooks.org/wiki/IB/Group_4/Computer_Science/Computational_Thinking_Problem-Solving_and_Programming#Connecting_computational_thinking_and_program_design

Unit 2.1 Elements of Computational Thinking - Wikibooks

https://en.wikibooks.org/wiki/A-level_Computing/OCR/Unit_2.1_Elements_of_Computational_Thinking

Divide and conquer algorithms - Khan Academy

<https://www.khanacademy.org/computing/computer-science/algorithms/merge-sort/a/divide-and-conquer-algorithms>

Merge sort algorithm - mycodeschool

<https://www.youtube.com/watch?v=TzeBrDU-JaY>

Divide and Conquer Paradigm (What it is, Its Applications, Pros and Cons) - Include Help

<https://www.includehelp.com/algorithms/divide-and-conquer-paradigm.aspx>

Abstraction - Computational Thinking

<https://www.youtube.com/watch?v=jV-7Hy-PF2Q>

Backtracking (Think Like a Programmer)

https://www.youtube.com/watch?v=gBC_Fd8EE8A

Component 2 - Learn Computing

<http://www.learncomputing.org/revision/Component%20%20Revision%20Book.pdf>

Using Heuristics - Khan Academy

<https://www.khanacademy.org/computing/ap-computer-science-principles/algorithms-101/solving-hard-problems/a/using-heuristics>

