Curriculum for Excellence Parallelism References

Primary 1

Primary 2

Primary 3

Primary 4

Primary 5

Primary 6

Primary 7

1st Year + 2nd Year

N3

* [Teaching notes](http://www.sqa.org.uk/files_ccc/CfE_CourseUnitSupportNotes_N3_Technologies_ComputingScience.pdf)
  + Mentions of decomposition: breaking down a task into smaller sub-tasks. (Page 6)
  + Only really deals with building a software solution (using something like Scratch) and then Information solutions, which is more of setting up a blog/database.

The following three courses deal with any mentions of the research topics in the sections: Technical implementation (hardware requirements) and Technical Implementation (software requirements).

N4

* [Teaching notes](http://www.sqa.org.uk/files_ccc/CfE_CourseUnitSupportNotes_N4_Technologies_ComputingScience.pdf)
  + Mentions of the processor (page 21) but more about processor clock speed.
* [BBC Bitesize National 4](http://www.bbc.co.uk/education/guides/zt6pn39/revision/2)
  + Basic mentions of computers having more than one core, and that it means that computer systems can work on more than one task at a time.

N5

* [Teaching notes](http://www.sqa.org.uk/files_ccc/CfE_CourseUnitSupportNotes_N5_Technologies_ComputingScience.pdf)
  + Page 33 mentions that students should know how instructions are loaded from RAM to the processor, and how instructions are decoded and executed.
* [BBC Bitesize National 5](http://www.bbc.co.uk/education/guides/zwbk87h/revision/2)
  + A further development of the National 4 course, doesn’t mention much about parallelism, however has a small section on core processors. (Halfway down page)

Higher

* [Teaching notes](http://www.sqa.org.uk/files_ccc/CfE_CourseUnitSupportNotes_Higher_Technologies_ComputingScience.pdf)
  + Outline that what should be taught is the fetch execute cycle, Description and exemplification of the appropriate hardware required for a specified information system including processor type, number + speed.
* [BBC Bitesize Higher](http://www.bbc.co.uk/education/guides/z3d7mp3/revision/2)
  + Page on the processor, mentions that multi-core processors can run at lower speeds than single-core processors and yet be far more powerful.
* [BBC Bitesize Higher Page 2](http://www.bbc.co.uk/education/guides/zprkd2p/revision)
  + Mentions how an OS manages processes, with a very small mention of round robin and priority processing. Also mentions resource allocation.

Advanced Higher