

Workshop: A Sort of Talk - A Talk On Sorts

Tutors: Dr Garry Brindley

Pre-requisites: Students should have some experience with programming (if possible including arrays)

Necessary equipment: Data Projector to display slides, PCs for students to do exercises

Duration: 2 hours

In this talk I will describe three algorithms for carrying out a sorting procedure on a set of data. The algorithms will be described in pseudo-code, "demonstrated" by the students themselves and then coded in which ever language the students are using (e.g. Basic, C, Java). The talk concludes by addressing computational complexity of algorithms and gives references for further investigation.

In the past the talk demonstration has lasted 1 hour and then I've followed this up with 1 hour programming lab, but this can be changed to suit the students/school.

The target audience is probably those doing Higher Computing or students in a Computing Club who can program.