

Spotlight on GCSE Computing – University of Warwick, 19th April 2012

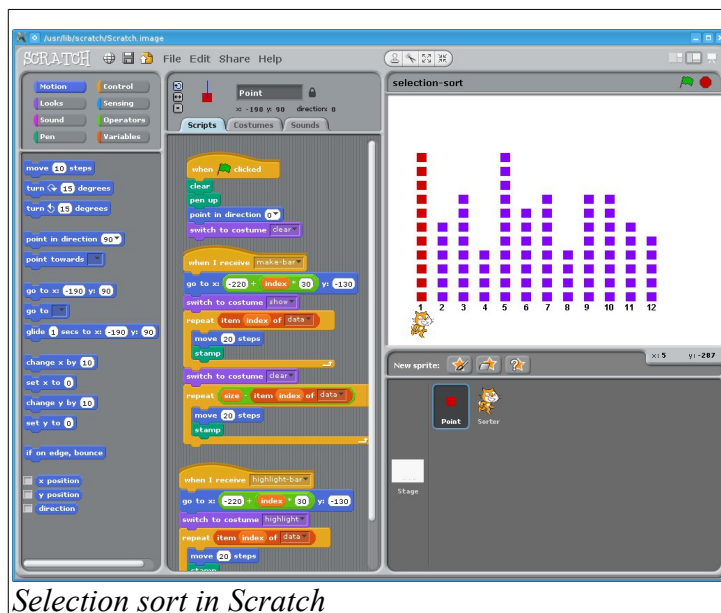
Sorting algorithms and other resources

Many resources available to explore sorting algorithms and other aspects of computer science. The sorting activities discussed today are derived from the Computer Science Unplugged activities. These resources describe practical activities (without the need for a computer) to demonstrate many fundamental aspects of Computer Science.

The resources are free and available from their website - <http://www.csunplugged.org>.



The sorting algorithms implemented in Scratch are also available for download. The downloadable package contains examples for many other aspects of CS Unplugged such as binary number representation, networks, searching and programming.



Selection sort in Scratch

Available from <http://code.google.com/p/scratch-unplugged/>.

Scratch can be downloaded from <http://scratch.mit.edu/>

Other sorting algorithm resources:

- Selection sort performed as a dance - <http://www.youtube.com/watch?v=Ns4TPTC8whw>
- Sorting Algorithms Animations – a website demonstrating many different sorting algorithms and allowing comparison – <http://www.sorting-algorithms.com/>