Teaching programming with Python and the Blender Game Engine

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Shut down or restart?

The way forward for computing in UK schools

January 2012



THE ROYAL SOCIETY

DWINDLING ENTHUSIASM

SHORTAGE OF SPECIALIST TEACHERS

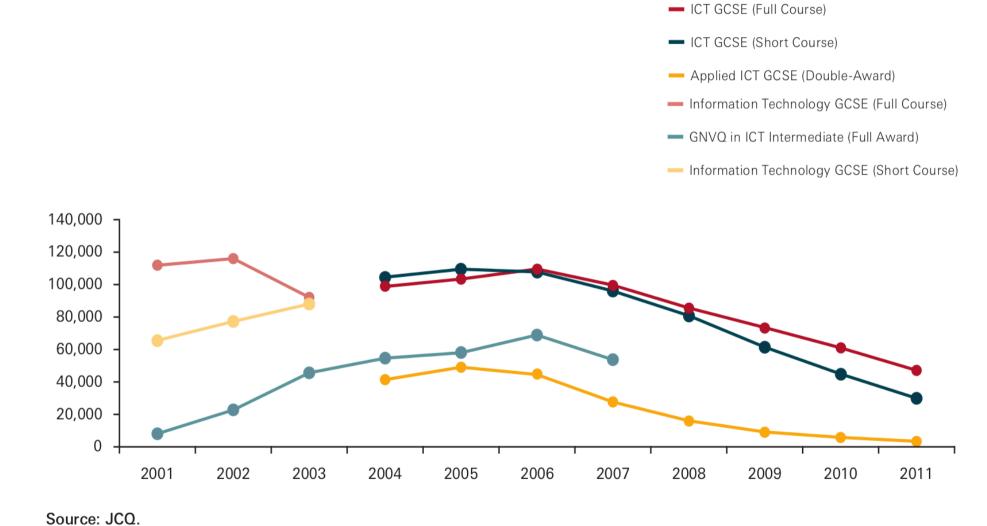
HIGHLY UNSATISFACTORY

BORING

LACK OF CONTINUING
PROFESSIONAL DEVELOPMENT
FOR TEACHERS

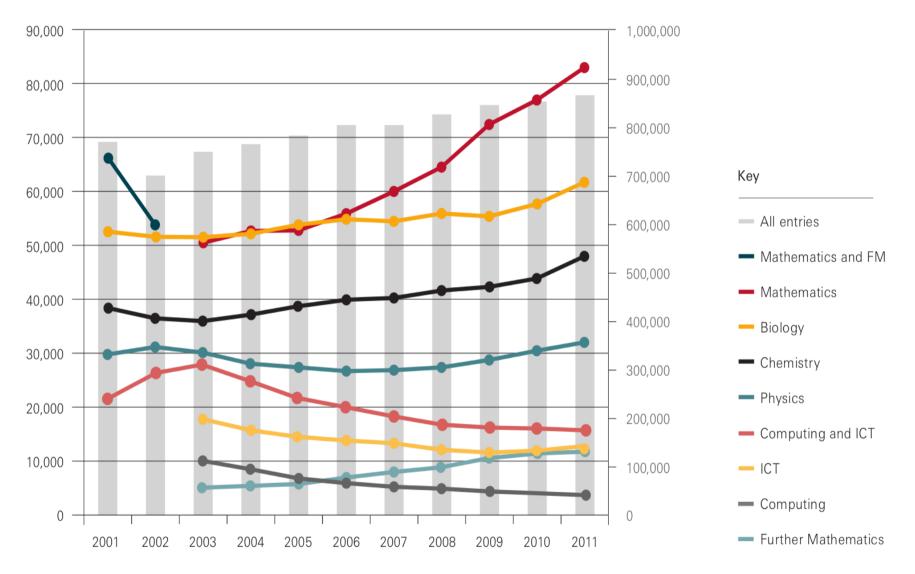
Total number of GCSE entries in ICT and Computing subjects across England, Wales and Northern Ireland (2001–2011)

Key



- The Royal Society

Total number of UK GCE A-level entries in science and mathematics subjects (2001–2011)



Source: JCQ.

- The Royal Society

" Suitable technical resources should be available in all schools to support the teaching of Computer Science and Information Technology. These could include pupil-friendly programming environments [...] "

"VISUAL CONTEXT"

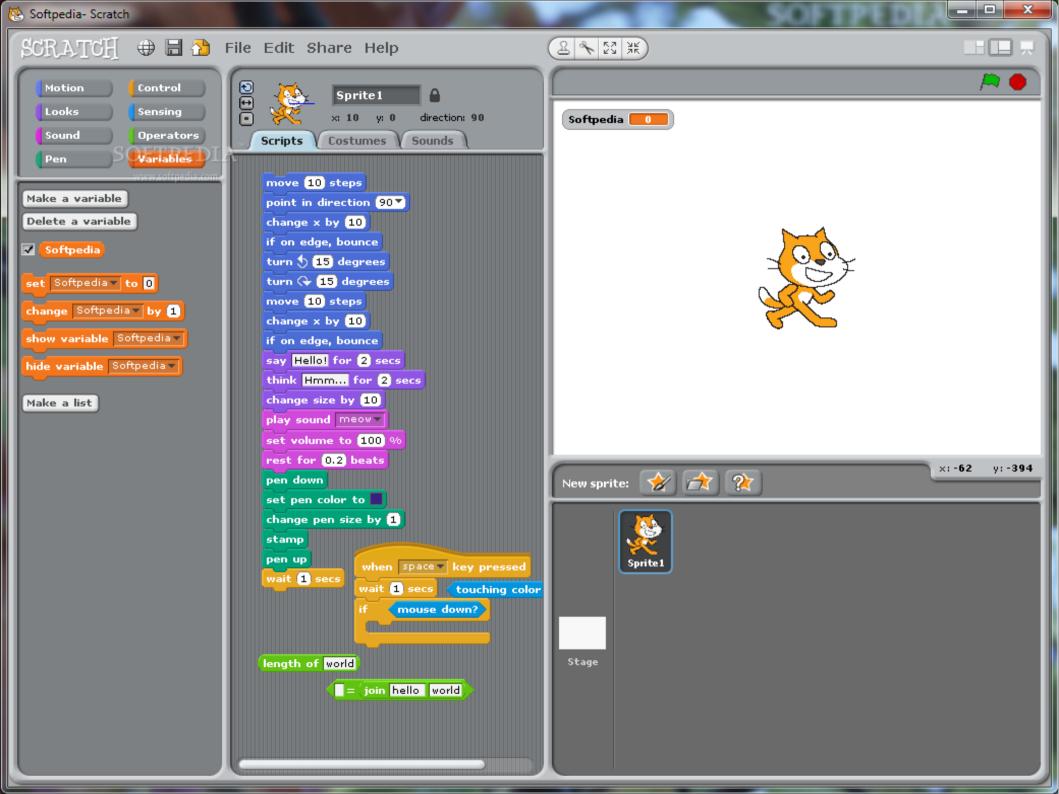


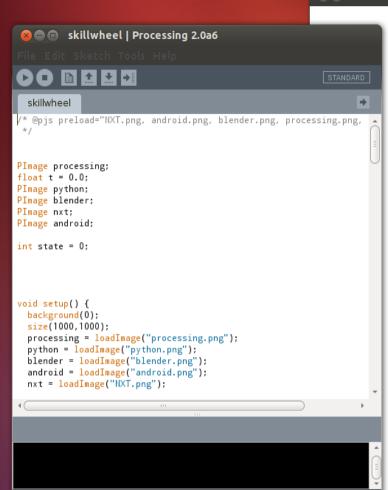


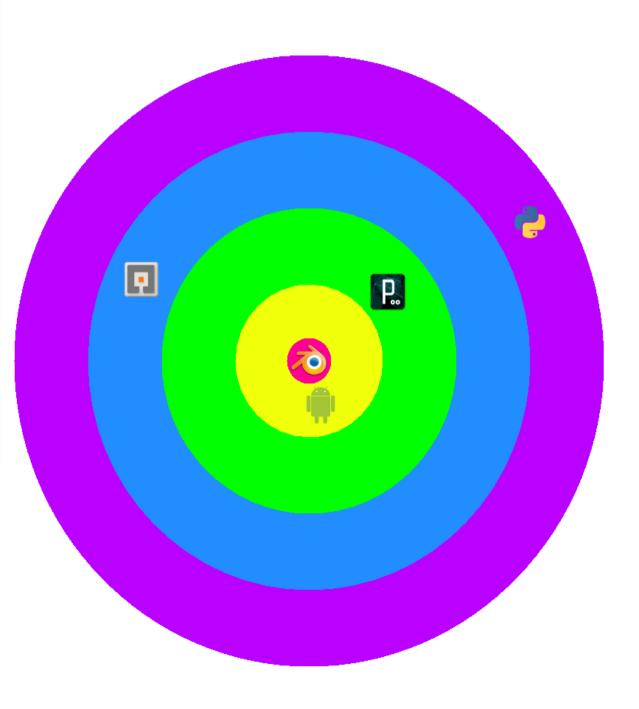


















"[...] market appeal / industry demand / student demand is one of the most important factors affecting language choice in computer science education." (Arnolds et. al.)

"[...] such specialized teaching environments leave [students] without a real-world programming language upon graduation" (Crawford & Boese, 2006)





TIOBE Index for September 2012

