

Hand-held ICT support for Mathematics 11-19

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20+ years experience!

- Main tool is `graphical calculator' – GC
- Casio, HP, Sharp, TI
- Advantages:
- Disadvantage:
- There is a loyal user-base

A minority of UK schools and teachers currently make effective use of hht.

For ICT to impact on maths needs:

- CPD for teachers
- Curriculum time & encouragement
- Good supporting materials
- Good software
- Easy-to-use, powerful, reliable hardware
- Means of whole class display

Challenges for ICT in maths

- Politically strong sceptics – e.g. academics
- Maths is a high-stakes assessment subject
- ICT use not currently examined (much)
- Government/industry want more youngsters `turned-on' to science, technology, engineering and mathematics (STEM) – and ICT is an important component/vehicle.

Hopeful developments for maths

- Bowland initiative (+CPD), BBC Jam
- Hht getting smarter – flash, wireless..
- Classroom networks – not just voting
- Technology getting `joined-up`
- Access to real-data via sensors/probes
- Access to digital images to bring maths to life

Need mixed economy – maths specific hht and ultra-portable, powerful tablets!