

Collins, James A, 2008, *An investigation into the effectiveness of the use of ICT in the teaching and learning of mathematics at Junior Certificate Level in three Post-Primary Schools.*

ABSTRACT OF DISSERTATION

ICT has become an integral and established part of everyday life for many people. It is an ever increasing aspect of people's lives and it is expected that this trend will continue for some time, to the extent that ICT education will become a basic requirement for people's employment, social and personal time.

ICT has a place in the mathematics curriculum, but it must be seen as another tool to enhance the teaching and learning of mathematics for teachers and students. The launch of ICT plans such as *School IT 2000* and *Blueprint for the Future of ICT in Irish Education* (2001) has demonstrated the vision of the Irish Government. The recent unveiling of €252 million for ICT under the National Development is also an encouraging sign.

However, ICT must be used to stimulate both teachers and students and provide interesting extension of work for all level of abilities. This can be achieved, as it offers powerful opportunities for pupils to explore mathematical ideas, to simplify, explain results, and examine situations. It also allows students to visualise and understand mathematical concepts.

The researcher aims to review the influence ICT has on the teaching and learning of mathematics and assess the importance of using such a tool in the mathematics classroom.