

CETL-MSOR Conference 2015

Martin Greenhow, Ceren Cetin, Jan Hanson and Martyn Thomas: Development of maths e.g. for online assessment of adult numeracy and employment aptitude tests.

This talk describes on-going developments of the maths e.g. for online assessment system currently being undertaken by sigma- and locally-funded interns. At Brunel University, and presumably elsewhere, there is a pressing need from many different angles for the database to extend the range of questions in basic mathematics, but set in an adult (rather than school) context. The developed questions will be used: by a wide range of users from Business Studies through to Biosciences, as a set of diagnostic tests used by foundation students, and as a general resource for our mathematics support tutors to use with whoever walks through their door! The main issues in designing and coding the questions is to match as closely as possible the students' needs, especially for employability tests that require numeracy skills such as interpreting tables, graphs and charts. There are, of course, many existing online tests, but these invariably involve 'hard-wired' questions that do not exploit the potential of randomisation of parameters, and are often quite expensive too. The aim of this project is to provide a free, and better, alternative via maths e.g. which will be republished over the summer with these and other enhancements.