

## **Interim Report – G070707 Mathematics Education Centre, Loughborough University**

An investigation into how teachers can motivate and enthuse able mathematicians by developing the pedagogy through different approaches to working with AGT students at KS4 in Leicestershire and Nottinghamshire

### **INTERIM REPORT (MARCH 2009)**

### **NCETM KS4 RESEARCH PROJECT**

#### **Research Title**

An investigation into how teachers can motivate and enthuse able mathematicians by developing the pedagogy through different approaches to working with AGT students at KS4 in Leicestershire and Nottinghamshire.

Project Manager	Rod Bond, Further Mathematics Network
Project Officer	David Green, Mathematics Education Centre, Loughborough University
Start Date	April 2008
Completion Date	December 2009

This research and development proposal centres upon four teachers working together to develop and evaluate ideas and strategies for use when motivating and stretching able Key Stage 4 students with a view to sharing the pedagogical gains with teachers in each of the various models and colleagues nationally. It is hoped that the project will also encourage students to study Mathematics and Further Mathematics at A level and thereafter to apply for Mathematics related degree courses at university. The emphasis throughout the project is on the professional development of the teachers involved.

Each of the four teachers selected a strategy for working with a year 11 class that they wished to evaluate. The teachers have gained much so far from exchanging ideas with each other.