GCSE

NEW: EDEXCEL GCSE MATHEMATICS: ACHIEVING GRADES 7 TO 9

CODE **8522**

ABOUT THIS COURSE

This course will provide advice and guidance on how to ensure that your students achieve the highest possible grades for Edexcel GCSE Maths.

It builds upon experiences from the first seven series of these examinations, using feedback from student results and teacher experiences.

Delegates will explore teaching approaches for the content in addition to working on strategies to support the development of high level skills and maintain student focus throughout the GCSE.

** laptops and internet access needed throughout the day.

PROGRAMME

TIME

The challenges for students aiming for Grades 7 – 9

10.00 – 11.00am

- Explanation of what differentiates the highest achieving students in Edexcel GCSE Maths and what the exam board is looking for
- Moving between the levels – the key points for improving student grades between Grades 7 and 9
- Key areas of the Edexcel specification which draw out higher achieving students: how to focus on these and boost student understanding and quality of responses
- Achieving their target grade: facilities, resources and teaching strategies which keep top level students on track

Discussion: coffee break 11.00 – 11.20am

Teaching the Higher tier

11.20 – 11.50am

- Resources and approaches for teaching the more complex areas of the specification and ensuring answers at Grades 7 and above
- Maintaining student focus and progress during their GCSEs: key ideas and areas of the Edexcel specification to utilise
- Supporting students' understanding through the use of real-life questions – how to promote and maintain high level thinking
- Designing learning to develop fluency, reasoning, understanding and inference

Examiner feedback from student performances over the last 7 examination series

11.50 – 12.30pm

- Exam feedback: areas of strength and areas for improvement in the Edexcel Higher tier papers
- How to use this information to boost your students' opportunities to gain the highest grades
- Understanding and teaching the questions which target the higher grades
- Feedback in the classroom to ensure ongoing high performance: how to keep the high level performers on track

Lunch and informal discussion 12.30 – 1.30pm

Teaching the new content of the Higher tier GCSE

1.30 – 2.30pm

- Working through the topics which are examined at the top grades, such as algebra and geometry: how to ensure those skills have been embedded
- Confirming the standard: marking exercises and suggested classroom activities to maintain student progress
- Utilising excellent resources for teaching these topics at a high level

Discussion: afternoon tea 2.30 – 2.45pm

Developing problem solving for higher level thinking

2.45 – 3.35pm

- Considering progression and assessment in problem solving at Grades 7 to 9 – how is this different and what needs to be stressed
- Resources and activities for supporting and practicing problem solving at the highest levels
- Utilising these skills in the examination – expert guidance on what examiners are looking for

Plenary and conclusion

3.35 – 3.45pm

LOCATION/DATE
Online
Thursday 22 April 2021
Wednesday 23 June 2021

COURSE LEADER

Will Rigby has taught and examined Mathematics from years 5-13 for over 4 decades. He is a former Chief Examiner; Senior Examiner and Maths Adviser to 4 UK governments; LA's and Academy Trusts. He is a former Regional Adviser on the CMSP; Ofqual subject expert and has authored a number of textbooks.

WHO SHOULD ATTEND?

- All teachers of Edexcel GCSE Mathematics
- Heads of Mathematics
- Non-specialist Mathematics teachers who may be delivering revision sessions for Year 11
- Trainee teachers; NQTs and members of the SLT responsible for Mathematics

BENEFITS OF ATTENDING

- Obtain materials and advice to help develop high level student reasoning, understanding and confidence
- Gain first-hand expert knowledge from the first 7 examination series of the new Mathematics (9-1) GCSE and the significance of that information for improving high level student responses
- Consider actual student responses from recent exams which can be utilised in the classroom
- Share successful practice and develop revision strategies for top level Year 11 students
- Increase student success in achieving grades 7 and above