

# OUTSTANDING ACHIEVEMENT IN AQA A LEVEL PHYSICS

CODE **7106**

## ABOUT THIS COURSE

This new course is intended for all teachers who wish to ensure the high achievement of students in AQA A level Physics. By providing tried and tested teaching techniques and approaches the courses aims to help teachers raise attainment in students of all abilities and experience by improving confidence, knowledge and a stronger understanding of what examiners are looking for.

## PROGRAMME

TIME

### Feedback from the latest AQA A-level examinations

10.00 - 10.30am

- The overall stats –and what they tell us
- The grade boundaries for each paper (indicating the level of difficulty of each)
- The topics and question types that caused the most difficulty for students

### Securing the Best Start - Bridging the gap between GCSE and A level

10.30 - 11.00am

- The key differences between A-level and GCSE
- The key features, topics, question types that most demonstrate outstanding achievement
- Reliably identifying what the students already know
- Making students more self-sufficient and developing them as independent learners

Discussion: coffee break

11.00 - 11.20am

### Building mathematical fluency

11.20 - 11.40pm

- The key mathematical skills required at A-level
- Boosting students' confidence in maths
- Using Mymaths, and MathsWatch to provide additional tuition and practice

### Developing students' practical skills

11.40 - 12.30pm

- The must-do practicals, when and how to do them
- Teaching approaches which ensure outstanding achievement
- Typical exam questions in paper 3 and how to prepare your students to answer them

Lunch and informal discussion

12.30 - 1.30pm

### Focus on Paper 1

1.30 - 2.30pm

The most common misconceptions and how they can be overcome for the paper 1 topics:

- Measurements and errors
- Particles and radiation
- Waves
- Mechanics and materials
- Electricity
- Preparing your students to answer the questions that cause the greatest difficulty

### Focus on Paper 2

2.30 - 3.30pm

The most common misconceptions and how they can be overcome for the paper 2 topics:

- Measurements and errors
- Thermal Physics
- Fields and their consequences
- Nuclear Physics
- Preparing your students to answer the questions that cause the greatest difficulty

LOCATION/DATE

**London**

**Monday 9 December 2019**

**Monday 2 March 2020**

## COURSE LEADER

**Howard Dodd** has worked as an A-level Physics Principal Examiner (writing exam papers and supervising marking) for over twenty years being employed by OCR, AQA and Edexcel. He has a national reputation for providing high quality and helpful in-service training courses for secondary and post-16 teachers.

## WHO SHOULD ATTEND?

- Heads of Physics
- Teachers of AQA A level physics

## BENEFITS OF ATTENDING

- Explore and discuss feedback from the latest examinations
- Take away approaches to building mathematical fluency in students
- Gain ways to develop students' practical skills for Paper 3 questions
- Focus on Papers 1 and 2 misconceptions and how they can be used to enhance understanding