

Chorlton High School

is pleased to be able to offer free Teacher Subject Specialism Training (TSST) courses in Secondary Physics and Mathematics aimed at non-specialist teachers.



SUCCESSFUL
CREATIVE
HAPPY

Teacher Subject Specialism Training

Physics

Course Dates:

Please note that all sessions will run from 4:30pm - 6:30pm at Chorlton High School, M21 7SL

11th Oct	Session 1: Introduction, Subject Knowledge, Assessment and Waves
8th Nov	Session 2: Radiation
13th Dec	Session 3: Electricity and Electromagnetism
17th Jan	Session 4: Circuits
7th Feb	Session 5: Optics
7th March	Session 6: Energy
4th April	Session 7: Forces and Motion
25th April	Session 8: Physics Investigations
20th June	Session 9: Knowledge Recall and Final Subject Knowledge Assessment

Teacher Subject Specialism Training Physics

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Overview

This course aims to improve teacher confidence when delivering challenging Physics topics, with particular focus on the new GCSE Physics specifications. The course will also cover the pedagogy of teaching Physics to ensure that participants have a full understanding of common pupil misconceptions and how to address these, effective teaching methods and sharing of best practice examples including; schemes of work, lesson plans and resources.

Course Requirements

To be considered for this course, you need to have achieved qualified teacher status (QTS) in any subject other than Physics. The course is best suited to those teaching or intending to teach KS3/ KS4 Physics with some prior knowledge of basic Physics. An initial subject knowledge audit will be completed within Session 1 to ensure that each participant receives a personalised approach to subject knowledge development. We appreciate that not all participants will begin the course at the same point therefore all sessions will have two Physics specialists as facilitators to allow for smaller group work or individual support where required.

Independent Learning

In addition to the nine twilight sessions, there will be additional learning required between sessions which may involve completion of online assessments or personal learning checklists (PLCs) via our online platform, Doodle. During Session 1, each participant will be assigned to a designated coach at CHS who can be contacted at any point (via email) to provide advice, support and resources. Throughout the course, participants will also develop their ability to plan and employ a range of engaging teaching strategies which will be shared each session. Therefore, sample material such as lesson plans or presentations, may be required to be developed between sessions. In turn, this will allow candidates access to a wide range of high quality lesson plans and resources to then use within their own classrooms (to be shared electronically via Doodle for all participants to download for use in their own lessons).

Teaching & Learning

Subject knowledge and pedagogy will be simultaneously delivered to ensure that participants are fully able to: grasp the content covered; understand where and why pupils may have misconceptions and to know how to effectively address these through use of highly effective teaching strategies. CHS prides itself on being a recognised locally as a centre of excellence for teaching and learning and this will be highly evident through the wide range of engaging strategies and resources which participants will be encouraged to trial in their own classrooms. During the academic year, each participant can expect to receive a planned classroom visit from their CHS coach. This will allow for delivery of Physics within the classroom setting to be evaluated and allow for a highly specific coaching session around any further development points. For any potential participants who are not currently teaching Physics, CHS would be happy to provide classroom experience with a KS4 Physics class, either as an observer or to gain some teaching experience.

Certification

Upon successful completion of the TSST Physics course, Institute of Physics (IOP) accreditation will be awarded. Furthermore, Manchester Metropolitan University are willing to award 30 Masters Credits towards the APEL unit upon successful completion - more information about how participants can pursue this will be provided in the first session.

These courses are open to all qualified teachers who are not specialised in the subject they are applying for.

For further information or to book a place on one of our courses please contact:

Caroline Morgan via email: c.morgan@chorltonhigh.org.uk

