



WLP CPD Day 15 April 2024

STEM at Hammersmith Academy

[25 Cathnor Rd, Hammersmith, London, W12 9JD](#)

Please note there is no available parking at Hammersmith Academy

Please check your subject area below for the topics being discussed:

Biology

Topic 1:

Practical endorsement - which practicals do you cover? when? how to you monitor skills in class? which resources do you provide students with? how much are you expecting students to produce per PAG?

Topic 2:

Managing Marking; how do you use self-assessment to promote progress?

Topic 3:

How do we use flipped learning to support progress at A-level?

Chemistry

Topic 1:

How do we support KS4 to KS5 transition in Chemistry?

Topic 2:

Practical skills: a session on the purpose of doing practicals, how to introduce practical work, how to ensure students are learning theory from practical work, how best to sequence theory vs practical work, how to assess students' progress in practical work.

Topic 3:

How do we use problem solving in Chemistry to support progress?

Computer Science

Topic 1:

Technology Integration: How do we integrate emerging technologies like AI, robotics, and data science to prepare students for the evolving job market?

Topic 2:

How do we support weaker learners to access Computer Science?

Topic 3:

Hands-On Experiments: How do we promote practical learning through hands-on experiments and projects, encouraging students to apply theoretical knowledge in a tangible way.

Maths

Topic 1:

How do we develop wider study skills within mathematics teaching?

Topic 2:

How do we make students better problem solvers at KS3/KS4?

Topic 3:

How do schools structure their schemes of work for A Level maths and further maths?

Physics

Topic 1:

How do we increase the uptake of Physics in our schools?

Topic 2:

How do we incorporate Stretch & Challenge within Physics?

Topic 3:

How do we use flipped learning to support progress at A-level?

Psychology

Topic 1:

Methods in psychology; What reasons are there for using/choosing/carrying out statistical tests in psychology?

Topic 2:

Extended answer questions; How do we develop and structure extended answer questions? How can we be concise with writing and planning these questions?

Topic 3:

Issues and debates; How do we make effective synoptic links across the course and apply them to essay questions? How do we select and apply the most appropriate research areas?