



Chimney
House
Alliance

National Teaching School
designated by



National College for
Teaching & Leadership

Raising
achievement
through
collaboration.

Subject Knowledge Enhancement Courses



Post ITT SKE in Computing

Course Venue:

HCCS Training Centre,
Selkirk Drive,
Holmes Chapel,
Cheshire,
CW4 7DX.

Dates of the course:

Wednesday 12th November 2014	09.30 - 16.00
Tuesday 9th December 2014	15.00 - 17.30
Tuesday 13th January 2015	15.00 - 17.30
Wednesday 5th February 2015	09.30 - 16.00
Tuesday 10th March 2015	15.00 - 17.30
Tuesday 24th March 2015	15.00 - 17.30
Tuesday 16th June 2015	09.30 - 16.00

Further details of the course found overleaf

Audience: This course is aimed at teachers of IT who are preparing to deliver Computing at KS4. If you are **already delivering computing** at KS4 this course is not for you.

Aim of the course: To provide a thorough and detailed breakdown of the computing curriculum.

All sessions will include practical activities and engaging interactive learning strategies for use with your students.

To book a place on the course or to find out further information please contact:
lilian.mckechnie@hccs.info
or call 01477 689 544

Delivered in partnership with MMU



Manchester
Metropolitan
University

Post ITT SKE Course in Computing

Put these dates in your diary:

DATE	TIME	SESSION CONTENT
Wednesday 12th November 2014	09.30 - 16.00	<p>Introduction</p> <ul style="list-style-type: none"> • Audit of current position • Overview of the course • Latest National Curriculum advice, documentation & research <p>Computing theory for the classroom</p> <ul style="list-style-type: none"> • Algorithmic thinking for all • The use of binary • Developing practical classroom activities • Placing computing in context for learners • Planning a computing curriculum
Twilight Tuesday 9th December 2014	15.00 - 17.30	<p>Computing and the internet</p> <ul style="list-style-type: none"> • Search engines, Boolean operators and algorithms • E-Safety and Digital Literacy in the new curriculum • The use of apps to teach computing • Practical computing projects using App Inventor/Appshed <p>(App Inventor and Appshed (web based))</p>
Twilight Tuesday 13th January 2015	15.00 - 17.30	<p>Introduction to computer code</p> <ul style="list-style-type: none"> • A comparison of programming languages • Practical basic activities using Python / Visual Basic • The use of pseudo code in GCSE examinations <p>(Python IDE, Visual Studio)</p>
Wednesday 5th February 2015	09.30 - 16.00	<p>Moving on with computer code</p> <ul style="list-style-type: none"> • A comparison of programming languages • Practical KS4 activities using Python / Visual Basic • The use of Python in GCSE controlled assessments <p>(Python IDE, Visual Studio)</p>
Twilight Tuesday 10th March 2015	15.00 - 17.30	<p>Developing schemes of work at KS4</p> <ul style="list-style-type: none"> • Comparison of exam board provision • Developing ideas for coursework/controlled assessment • Use of games design in computing projects <p>(Little Man Computer simulator, Scratch, Visual Studio)</p>
Twilight Tuesday 24th March 2015	15.00 - 17.30	<p>Assessment and Transition in Computing</p> <ul style="list-style-type: none"> • NC levels for computing • Demonstrating progress in computing • Ideas in address shortfalls from KS2 to KS3 • How do we prepare learners for KS5 and beyond? • Support for primary colleagues <p>(MMU to provide iPads and primary equipment)</p>
Tuesday 16th June 2015	09.30 - 16.00	<p>Practical Computing (AM)</p> <ul style="list-style-type: none"> • Developing 'ICT control' for computing programmes of study • Practical activities using a Raspberry Pi • Developing kinaesthetic activities for the classroom <p>(MMU to provide Raspberry Pis, Makey Makeys and lego)</p> <p>Computing - Additional Resources and next steps (PM)</p> <ul style="list-style-type: none"> • Additional software for computing (including Alice, Kodu and Greenfoot) • Developing progress and variety in the curriculum • Planning for individuals projects <p>(Alice, Greenfoot & Kodu)</p>

Delivered by Course Leader Ellie Overland, Senior Lecturer in Education and Computing as well as Course Leader for PGCE in Computing at MMU and Mandy Banks who is regional coordinator for CAS (Computer at School).