

Non GCSE Action Plan Support **Guide**

School trust driving curriculum design

Overview: If a school is part of a Multi Academy Trust, the school will benefit from engaging with other schools or seek support from the MAT Curriculum or Improvement leads. The MAT may have a Computing Lead too. Does the school know who are the key people for computing within the MAT? If there is no support/coordination for computing at MAT level, the MAT may have equivalent roles in other subjects (English, Maths, Science). This could be something to consider as a way of creating a MAT Vision for computing and work together to establish a whole MAT Computing Curriculum. Networking and sharing CPD/Resources is key to the success and sustainability of computing within the school. Ensure MAT tracker has been looked at.

Subject Matter Expert Support

Suggested Support

- Help with progress maps, advice on software and training available to deliver curriculum.
- Help to embed KS3 and KS4 Curriculum, Schemes of Learning and Assessment across the School Trust - (F2F exercise or Remote - . This should focus on having everything in place for successful delivery of CS GCSE.)
- Help identify shared training needs across the MAT (focusing on guiding teacher to enrol on relevant CPD training and supporting with current pedagogical/engagement approaches which work within a CS classroom)
- Provide opportunities for STEM Ambassadors to support schools within the MAT.
- Help the school to network within the MAT/Area to have a clear vision for TRANSITION from Primary to Secondary and beyond.(Establish a network or a project focusing on providing clear expectations of what students should cover at each stage of their education and working through known barriers.)
- Explain that MATs could also train internal CPD PDLs (Facilitators) who could deliver NCCE training internally with money going back into.

Suggested Actions

- Share the NCCE offer with SLT at MAT level to create a MAT plan. Email
- Book a meeting with who is responsible for curriculum development at MAT level - ask
- MAT sign up to [Computing Quality Framework](#)
- Plan opportunities to deliver bespoke training at MAT CPD days/sessions focus on Curriculum development and Pedagogy.
- Show the Computing Lead or MAT how the Computing Hub could offer CPD to the schools within the MAT in a location suitable to their schools/teachers if enough teachers enrol.
- Ask if the MAT has a Teacher Training Federation/Hub or how the school could recruit, benefit from Trainee Teachers.
- Consider creation of a MAT Computing Cluster at the end of the non GCSE support to enable a smooth first year.

CPD and Professional Learning

Courses

CSA

[Enrol on the CSA](#) for all MAT Computing teachers

Online courses

[Creating an Inclusive Classroom: Approaches to Supporting Learners with SEND in Computing](#)

[Programming Pedagogy in Secondary Schools: Inspiring Computing Teaching](#)

Face-to-face/remote

[Adapted teaching and effective learning interventions in secondary computing](#)

[Collaborative programming projects in Key Stage 3](#)

[Enriching secondary computing with STEM Ambassadors in your region - short course](#)

Menus and Pathways

[Secondary Computing Certificate](#) to increase opportunities for local networking and sharing ideas with other Heads of Department through STEM communities.

[Teach primary computing certificate](#) - This professional development programme has been designed to guide primary teachers through our comprehensive offer of courses, enrichment and resources and leads to a nationally recognised certificate.

Resources		Reading	
<p><u>Teach Computing Curriculum</u></p> <p>Everything you need to teach computing at key stages 1 to 4. Resources include lesson plans, slides, activity sheets, homework, and assessments</p> <p><u>Early career support</u></p> <p>There is support for early career and trainee teachers to develop their computing subject knowledge and pedagogy through professional development, resources and local communities.</p> <p><u>Isaac Computer Science</u></p> <p>The free online platform for students and teachers. Use it in the classroom. Use it for homework. Use it for revision.</p> <p><u>Pedagogy Resources</u></p> <p>Effective pedagogy is at the heart of good teaching and learning; successful computing teachers combine their knowledge of the subject with evidence-based teaching practices.</p> <p>Assessment</p> <p><u>Knowledge Banks</u></p> <p>Developed by the National Centre for Computing Education, this collection contains quality-assured question banks which can be used with Key Stage 3 computing and GCSE computer science students. The collection includes a series of 10 topics, covering areas across the computing curriculum. Each topic area includes two sets of questions, both setup as both Google and Microsoft Forms, allowing you to duplicate into your Google / Microsoft accounts to use with your students.</p>		<p>Quick Reads</p> <p>Introducing our exciting new Teach Computing Curriculum</p> <p>Teach Computing Curriculum with Oak National Academy</p> <p>Podcasts</p> <p>Episode 11 - The Teach Computing Curriculum</p>	
Wider offer - STEM Learning			
STEM Ambassadors		STEM Community	
<p>A STEM Ambassador is a voluntary role undertaken by someone who has a passion and/or professional knowledge of STEM subjects.</p> <p>How it could work with this challenge</p> <p>This would support pupils' understanding of how important Computer Science is in the wider world. Pupils will be able to see and hear from STEM Ambassadors who are using their practical skills in their roles.. As a MAT STEM Ambassadors can be used on a bigger scale and also a MAT could recruit more STEM Ambassadors to the programme.</p>		<p>A community of over 20,000 teachers; technicians; TA's and governors, all involved in the STEM education of young people supporting and collaborating with each other to improve outcomes</p> <p>How it could work with this challenge</p> <p>This will allow conversations and the opportunity to share ideas and best practices for supporting Computing across the MAT schools. It will allow for key discussions to drive computing forward as an exciting and engaging subject across the trust.</p>	
Enrichment			
<p>There are plenty of ways you can deliver enrichment activities and find volunteers to support you. Encourage young people to develop important life skills through enrichment and engage with the wider community in practical, enjoyable, and meaningful ways.</p> <p>How it could work with this challenge</p> <p>Support with resources, volunteers and links to additional learning to enhance the curriculum. Support the opportunities for Cultural Capital in the community and wider society. Opportunity to develop and be involved with Cross Trust competitions and clubs.</p>			
Professional Development Leader Programme			
<p>The Programme ensures individuals have the appropriate skills, experience, and behaviours to deliver our CPD and potentially work as consultants within our network. It is fully aligned to the DfEs standard for teacher's professional development</p> <p>How it could work with this challenge</p> <p>With the PDL programme trusts could develop their staff through the programme which would enable the Trust to facilitate their own CPD, and could even deliver NCCE CPD and be paid to do so. This also enables investment in staff development through a quality programme.</p>			