



*Opportunity to join an 'Outstanding' all-through academy  
specialising in mathematics and citizenship.*

# **Head of Computer Science**

## **Candidate Information Pack**

March 2024

Dear Candidate

We are looking to recruit a talented and inspiring teacher who is committed to helping our students fulfil their potential.

We are very proud of our reputation for academic excellence and the superb pastoral care our students receive along with the support we provide for the less academically able. We now want your help to enable us to go beyond outstanding and achieve 'excellence for all'.

We have a developing & well-resourced. The Academy has an excellent record of support for professional development.

A Golden Hello is available to the successful applicant, if the application is made directly through the school's website.

To apply, follow the link at <https://arkacademy.org/vacancies> by **8:00am on Monday 15 April 2024**. For an informal, conversation about the role, please contact me on 020 8385 4370 or [d.smith@arkacademy.org](mailto:d.smith@arkacademy.org)

We wish you the best with your application.

**Delia Smith OBE**  
**Principal**



## Ark Academy

### The Principal

Delia Smith is the founding principal of Ark Academy. Previously she was the headteacher of St Angela's Ursuline School in Forest Gate for 16 years. She has also been a schools' inspector and was awarded an OBE for services to education.

### About Ark Academy

We are a non-selective school specialising in **mathematics** and **citizenship** that serves children of all abilities. Our commitment is to know every pupil as an individual, and to foster the principles of team spirit, responsibility and care for others. Our pupils enjoy both a nurturing environment and the social benefits of a small school and the range and resources of a large, well equipped academy.

### Facilities

Our buildings were designed by award winning architects Studio E (who created the successful design for City of London Academy in Southwark) and are organised to support calm and ordered learning. Pupils have access to specialist indoor and outdoor sports facilities, excellent science and ICT facilities, music, Design and Technology, art and drama studios and a 150 sqm, well-stocked and up-to-date library as well as inviting and well-equipped classrooms



### About ARK Schools

ARK Schools is an education charity set up in 2004 to create a network of high achieving, non-selective, inner city schools where all pupils, regardless of their background or prior attainment, achieve highly enough by age 18 to have real choices: to go on to university or the career of their choice. ARK Schools has no faith affiliations.

All the ARK schools are situated in areas of high deprivation or educational need and our pupil profile reflects this: over half of our pupils are eligible for free school meals compared to 18% nationally.

The ARK network operates 38+ schools in the UK across London, Portsmouth, Birmingham and Hastings. Each of our schools has its own distinctive character, reflecting its local community.

# About the Computer Science Department at Ark Academy

In our Computer Science department, each unit is thoughtfully designed and co-planned to seamlessly integrate various aspects of the curriculum. Students engage in hands-on projects that not only enhance their coding proficiency but also promote problem-solving and creative thinking. Our approach emphasizes teamwork, encouraging students to collaborate on real-world projects, mirroring the collaborative nature of the tech industry. Through this, we aim to develop well-rounded individuals who not only excel in technical skills but also thrive as effective team members and communicators in the ever-evolving landscape of computer science.

## Curriculum and Specifications

**KS3:** Our KS3 Computer Science curriculum aligns seamlessly with the National Teaching Computing Framework, providing students with a robust foundation in key computational concepts. From coding fundamentals to algorithmic thinking, our curriculum is structured to cultivate a deep understanding of computer science principles. Hands-on projects and interactive learning experiences are embedded throughout, ensuring students not only grasp theoretical concepts but also apply them in practical scenarios. By following this nationally recognized framework, we are committed to equipping students with the essential skills and knowledge to thrive in the digital age.

**KS4:** Currently we have 72 students studying GCSE Computer Science in Years 10 & 11. Our KS4 Computer Science curriculum, meticulously crafted according to the OCR specification, is tailored to empower students to excel in their GCSE examinations. Delving into the intricacies of programming languages, computational thinking, and problem-solving, our curriculum equips students with the tools needed to navigate the challenges of the digital realm. Practical application is at the forefront, with hands-on projects designed to deepen understanding and enhance skills. By adhering to the OCR spec, we ensure that our students not only meet but surpass the standards, preparing them to attain highly in their GCSEs and paving the way for success in the dynamic field of computer science.



**Job Description:**

**Person Specification:**

# The DNA of Ark Academy

## **ARK ACADEMY MISSION STATEMENT**

*Ark Academy has at its core the pursuit of highest standards possible in education. We believe in high aspirations, high motivation, and high achievement for all. Through our extended curriculum and community life we seek to meet the needs of the whole person. Civitas – Citizenship – is at our core. We will build a community of civic pride and social justice in which all members are equally valued. We are committed to the service of young people and to helping them play their full part in society.*

*In light of this we aim to:*

- *Provide every student with the knowledge, skills, self-belief, and motivation to be successful in their learning and lives.*
- *Welcome, value and respect all who come to the school.*
- *Build a community based on justice and a sense of personal responsibility.*
- *Provide opportunities for all to experience CIVITAS whilst developing a spirit of tolerance and understanding for all cultures, traditions and faiths.*
- *Promote dialogue and co-operation with the wider community.*

### ***Our Driving Principles are:***

- ***Excellence***
- ***Citizenship***
- ***Participation***
- ***Persistence***

### ***Our goal***

*Our goal is that all students should be able to access higher education and participate fully in our democratic society.*

# The DNA of Ark Academy

Is based on the six pillars of Ark Schools and developed into our own unique 'feel' generated by a genuine buy in for our core values. Our values are also underpinned by our habits and 'the way we do things around here'. We believe that in Ark Academy the following principles are tangible and central to achieving our mission from reception through to Year 13.

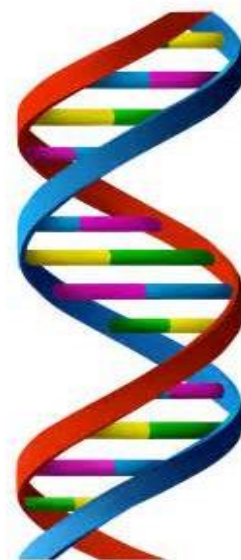


## 1. High Expectations

**Students will develop the characteristics that support their academic achievement and will become thoughtful citizens who make good choices in their lives. We set very high expectations for all our pupils, whatever their starting point. We believe every child can realise their potential with the right teaching and support. Progress, from every starting point matter to us. We want every child at Ark Academy to do well enough by the age of 18 to go to university or pursue a career of their choice. We ensure that our pupils understand the wide variety of opportunities and pathways that are available to them.**

We hold high expectations for all our pupils. Nothing is as important as the work we do to impact on the learning and lives of our students. Pupils understand the opportunities Ark Academy offers them and that we will do whatever it takes to help students achieve their goals. High expectations and the drive for strong outcomes permeate the school. Pupils and teachers

understand that qualifications are the key, and we are unapologetic in our pursuit of this. Our teachers are relentless in their efforts and know that co-planning, coaching, and forensic assessment are key to the success of our students. We take every opportunity through our extended curriculum and community engagement to ensure that our students grow and develop as well rounded, passionate, and curious citizens. We know that children need to think deeply and more broadly about the world around them. We commit to ensuring every child enjoys a range of experiences that develops their social capital and develop their knowledge and their development as citizens in a democratic society. We ensure this through a variety of opportunities and programmes including our strong careers and enrichment programmes. Additionally, we develop the learning habits that underpin academic success. Our students learn to think rigorously and creatively, read analytically, organise themselves, manage extended projects, debate, and present themselves with confidence.



## 2. Excellent Teaching

**Teaching and learning is the main thing. The promotion of high-quality learning is at the heart of all our endeavours. We aim to inspire a future of passionate historians, mathematicians, scientists by delivering challenging and engaging lessons. Our teachers have excellent subject knowledge and are passionate about challenging each child to engage, stretch themselves and develop a love of learning. We use data intelligently to support our planning and ensure teaching is meeting the needs of students and improving outcomes.**

Excellent teaching is underpinned by a clear view of pedagogy which promotes expert teaching. Through our lessons we **build student understanding** and work to ensure that knowledge is committed to the long-term memory. Our teachers have a clear understanding of how the learning fits into the broader curriculum. We achieve this through curriculum planning which focuses on progression through the age-related curriculum. The concepts, knowledge, and skills necessary to be successful are embedded at each stage so that students can successively access the curriculum as it becomes progressively more challenging.

We ensure consistency of provision and access to learning through our whole school commitment to co-planning. All lessons within a topic are delivered across the whole cohort. All teachers then adapt their plans to meet the learning needs of the class they are teaching but the key learning remains the same. We deliver our medium-term plans through **Fertile Questions**. These knit



together a sequence of lessons. The questions are thought provoking, challenging and holistic. We know this approach engages pupils and helps them see the links between concepts and knowledge.

### **3. Exemplary Behaviour and strong ethos based on Civitas.**

**There is a compelling and inclusive moral purpose which drives the school forward and is represented by and reflected throughout the school by our motto and core value 'Civitas'. All members of our community recognise the meaning and spirit of Civitas and that we strive to reflect it in our daily lives. We want all our pupils to enjoy.**

**school and develop enthusiasm for learning alongside an understanding of their future role in society. Effective management and clear consistent routines ensure that we maximise the time for learning and pupils are taught to be self-disciplined and self-regulating.**

Ark Academy is a purposeful place of learning characterised by a respectful, orderly environment where teachers can focus on teaching and students on learning. We support one another and our students using consistent routines. We are compassionately ruthless in ensuring that all students know and understand what is expected of them. Simply **consistency is king**. We know that routines are a team game, and we share and implement practices and routines across the school, working as a team to give our students a consistent experience and create an excellent climate for learning. As a result, our students will know that routines help create an excellent school.

All our students and staff know that Civitas is about being a better human being and developing young community leaders with a passion for social action. We expect our students to develop as role models for those who follow them. We support civitas in a variety of ways but significantly through our relationships. Our reward system is based on the four core values of:

**civitas, excellence, persistence and participation.**

These permeate our school life and support our vibrant House System which supports team spirit, relationships, and a positive school culture.

### **4. Depth for breadth**

**We prioritise depth for breadth. All pupils will secure firm foundation in English and mathematics, and this underpins excellence in the other subjects. Our**

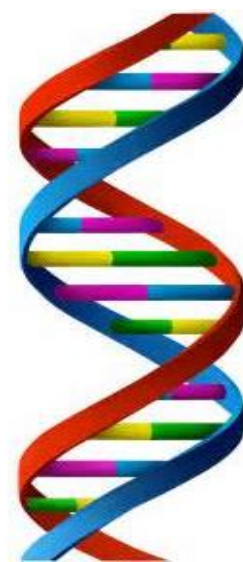


curriculum is rigorous, and knowledge based which is reinforced by regular assessments that cumulatively build students' knowledge.

We offer a broad range of subjects from Early Years through to KS1, 2 and 3. At KS4 we offer academic pathways alongside a range of practical and creative subjects. In KS5 we offer academic pathways including a strength in enabling subjects at 'A' level as well as rigorous and challenging vocational pathways. All pathways and progression through the academy are based on high quality careers and pathway support through, our whole school Ambitions Programme.

Our curriculum is planned backwards in each subject with big ideas (**fertile questions**) underpinning each area of academic study and building year on year ensuring progressively harder concepts are mastered. More time for English and maths is identified where it is most needed to help pupils catch up.

Our assessments, three times a year, cumulatively test students learning over the year. Revision is built into the curriculum to support our students' progressive understanding of how to learn independently. We place great emphasis on our **review week** which takes place after each formal assessment. This enables us to re-teach key aspects and students to fix areas of misconception. This is a key component of our feedback strategy. Alongside high stakes testing, all departments implement a variety of formative assessment and quizzes to test and reinforce their learning and feedback into teaching.



## 5. Knowing Every Child

Ark Academy values the diversity and inclusivity of our school. We know it is important that every pupil knows they are well known by their teachers, so that every individual can flourish. In Ark Academy we explicitly develop through our core values and our unifying motto, Civitas, the character and habits which support pupils' academic and personal development. Our pastoral system ensures that every child has an adult who will listen to them. Positive relationships between students and adults reinforce a culture where children are safe and maintain excellent behaviour and commitment to learning.

Our pastoral teams and experienced support staff ensure that our pupils are known, understood, and cared for. Our pastoral teams meet our parents three times a year and ensure they are aware of the progress and development of their child giving them the holistic view of their child's school life. We teach character education through our tutor and PSHE programme, reinforced by our assemblies. We support Civitas by the way we greet each other, talk to

each other, and take on responsibilities. Our positive approach in Ark Academy is supported by our rewards system based on our four core values, our tutor system, and the house system.

Our teachers understand the most impactful intervention happens in the classroom knowing the class in front of you and ensuring their need is being met is our key commitment.

## 6. Always Learning in Ark Academy

**We put professional development at the heart of what we do in Ark Academy.**

**We are always learning. We are committed to identifying talent and nurturing individuals to create a community of exceptional teachers, highly skilled support staff, thoughtful managers and strategic leaders.**

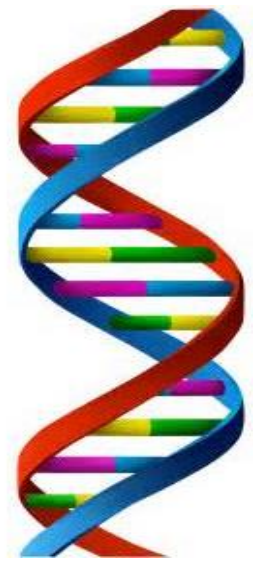
**Excellent teaching is underpinned by high quality professional development which supports teacher progression. We are a community of learners. It is in our DNA to talk, observe, plan, and reflect together.**

**Teaching is a craft we can always improve.** We invest heavily in our provision of professional development. We know that this is the key to the development of our students and to us as educators. We also recognise that all teachers need their subject knowledge refreshing and developing.

We develop our knowledge and skills in Ark Academy in a variety of ways that link together to provide a wide range of opportunities to learn both on the job and from experts. Our teaching practice is developed through weekly mentoring, the weekly training programme, weekly co-planning meetings, through observation and feedback and, where possible, through co-teaching working alongside more experienced professionals.

Through our talk, training, and observation we have a shared understanding and a common language that ensures the consistency of our agreed approach. We know the key conditions needed to create this community of learners are trust, risk-taking, collaboration, co-construction, common goals, and shared values. All of these underpin our DNA.

Ark Academy learns it way forward, building in time for collective enquiry, reviewing evidence and continually striving for improvement. We evaluate our learning and support our staff to engage in evaluative, data-driven, and strategic thinking related to their role. We also evaluate our learning at key assessment points, documented in **The Evaluation of Teaching and Learning (ETAL)**. This enables individual teachers, subjects/key stages, and senior leaders to learn through analysis. We are committed to research and



reviewing educational thinking as a learning community sharing articles and best practice through our weekly bulletin and blogs. We believe Ark Academy and Ark Schools provides an excellent talent pipeline. As staff prepare to take on or commence new leadership positions within Ark, we support them through ongoing training, coaching others, delivering training and leading co-planning.

As a member of both our region and Ark Schools we have regular opportunities to share practice and train together, attend joint monitoring visits or collaborate within our subject area. We are also a member of The Prince's Teaching Institute which supports the development of subject knowledge.

## **ARK ACADEMY SIXTH FORM MISSION STATEMENT**

***Ark Academy Sixth Form offers the highest quality education to allow our students to pursue the university pathway and career of their choice with confidence in a changing and challenging global community. Learning is at our core, we offer a first class education with a drive towards academic excellence and a desire to create independent learners ready to face university life. We believe in extending and enriching our students, both academically and socially, developing young community leaders with a passion for social action. Our students will develop as role models for those who follow them, they themselves inspiring future year groups of Ark academy Sixth Form. We work tirelessly to ensure our students are world ready, armed with the relevant skills, experiences, and achievements to make them stand out from the crowd on application for university and future careers of their choice. We will:***

- *Deliver a first-class learning environment based on outstanding teaching and facilities.*
- *Provide all students with every opportunity to extend themselves and their thinking of the world in which they live; building a portfolio that will allow them to progress into topflight universities.*
- *Challenge students to do better than good and always accept that there is always room for improvement.*
- *Develop our students as young leaders and role models to act as inspiration for younger members of our community.*
- *Welcome, value and respect all who come to the school.*
- *Hold true to our 4 core values and strive to display them in all that we do.*
  - *Excellence*
  - *Participation*

- *Persistence*

## ARK Safe Recruitment Procedure

ARK is committed to safeguarding and promoting the welfare of children and young people in its academies. In order to meet this responsibility, its academies follow a rigorous selection process to discourage and screen out unsuitable applicants.

### Disclosures

This post is classified as having substantial access to children, and appointment is subject to enhanced police check of previous criminal convictions (DBS). Applicants are required, before appointment, to disclose any conviction, caution, or binding over including 'spent convictions' under the Rehabilitation of Offenders Act 1974 (Exemptions) Order 1975. Non-disclosure may lead to termination of employment. However, disclosure of a criminal background will not necessarily debar individuals from employment – this will depend upon the nature of the offence(s) and when they occurred.

### Reference Checking

References from the previous and current employer will be taken up for shortlisted candidates, and where necessary employers may be contacted to gather further information.

### Probation

All new staff will be subject to a probation period of six months (which may, in certain circumstances, be extended by up to 10 weeks). The probation period is a trial period, to enable the assessment of an employee's suitability for the job for which they have been employed. It provides the academy with the opportunity to monitor and review the performance of new staff in relation to various areas, but also in terms of their commitment to safeguarding and relationships with pupils.

## WHERE TO FIND US



**Wembley Park (Jubilee/Metropolitan Line)**



**Chiltern Railways**



**Buses: 206, 245, 297, 83, 182**

### By Car: A479

Postcode for satnav: HA9 9JP

A406 North Circular Road (15 minutes away)

**Ark Academy** Bridge Road London HA9 9JP

Tel: +44 (0)20 8385 4370

Email: [admin@arkacademy.org](mailto:admin@arkacademy.org)

Website: [www.arkacademy.org](http://www.arkacademy.org)

