



Job Application Pack

# Head of Mathematics

MPS and UPS pay scales, TLR1B

# Contents

<b>Letter from the Principal</b>	<b>Page 3</b>
<b>Application Details</b>	<b>Page 4</b>
<b>About NUAAT</b>	<b>Page 5</b>
The Academy	Page 5
Curriculum	Page 5
The Academy Day	Page 5
Pastoral Care	Page 5
Industry Partners	Page 5
Education Partners	Page 6
Facilities	Page 6
<b>Job Description</b>	<b>Page 7</b>
<b>Person Specification</b>	<b>Page 10</b>

## Letter from the Principal

Dear Applicant

Thank you for your interest in our recently advertised post of **Head of Mathematics** at the Nottingham University Academy of Science and Technology (NUAST).

NUAST is a centre of Excellence in Science, Engineering and Computing/IT. We are a specialist academy teaching students aged 14-19 years old. Our aim is to ensure that young people who are passionate about Science, Computing or Engineering have opportunities to realise their maximum potential with us. We currently have 240 students and we will grow to our capacity of 750 students during the next few years.

NUAST has recently undertaken consultation to change to an 11-18 year old entry profile following requests from parents and the local authority. This means that it is an exciting time to join NUAST. As the Academy expands and develops, there will be opportunities for teaching staff to develop their professional practice and access senior leadership roles.

The NUAST staff team is dedicated to ensuring that our strong and caring pastoral system encourages and supports our students to access the excellent specialised facilities and the unique opportunities available. NUAST achieved excellent results in 2015/16 and has firmly established a reputation for academic success.

Working at NUAST will be an exciting and challenging chapter in the career of any teacher. Along with the responsibilities associated with the position, the successful candidate will be responsible for helping to form the culture, ethos and working practices of the Academy at every level.

Securing outstanding teaching and learning is critical to our success and every member of staff will be required to contribute to the development of teaching materials and wider curriculum planning.

I look forward to receiving your application.

Yours sincerely

A handwritten signature in black ink, appearing to read 'Robert White', is placed over a light grey dotted rectangular background.

Robert White

## Application Process

If you feel that you could contribute to the students and team at NUASt, we would welcome your application.

Please complete and return the application form along with a CV and covering letter, clearly demonstrating your suitability for this role via one of the following methods:

Email to [jobs@nuast.org](mailto:jobs@nuast.org)

By post, for the attention of the Principal to the address below:

Nottingham University Academy of Science and Technology  
93 Abbey Street  
Nottingham  
NG7 2PL  
Tel: 0115 859 2040

Wherever possible, please provide email addresses for your referees.

Closing date: please ensure your application arrives by 9am on the closing date of Monday 27<sup>th</sup> March 2017.

Interviews for the role will take place on Thursday 30<sup>th</sup> March 2017.

### Application Process

Interested applicants will need to provide the following:

- Letter of application (maximum 3 sides A4) relevant to the attached job description and person specification. The letter should address the vision and strategy the applicant would employ to ensure the declared goals are secured
- Current CV
- Completed application form with contact details of **two** referees.

### Application Form

This can be downloaded from our website.

# About NUAST

## The Academy

NUAST is a 14-19 academy based in Nottingham offering the very best educational opportunities for our students.

With specialist teachers, specialist facilities and the unique opportunity to work with the University of Nottingham and industry partners at KS4 and KS5. NUAST offers our students specialist STEM teaching and a broad range of subjects that will support their future progress to further study or employment.

## Curriculum

Our curriculum balances specialist teaching in STEM teaching with the other core subjects which students will need to get a place at a university or secure a good job or apprenticeship.

## The Academy Day

To ensure that NUAST can offer the broadest set of experiences for each of its learners, the academy operates an extended working day.

Starting at 8.30am, the academy works until 3.00pm with additional after-school study provision available until 4.30pm.

This extended day allows us to deliver our unique curriculum and provides students with the opportunities to access a wide range of enrichment activities.

## Pastoral Care

At NUAST student's well-being is of primary importance to us. As a small academy we can offer a high level of care and guidance. All students will have a learning mentor.

Mentors will guide and support students throughout their time at NUAST. In addition all students are offered specialist career advice with the support of our University and Industry partners.

In terms of behaviour, we have a very simple approach. Work hard and be kind.

## Industry Partners

From the very start, NUAST has had the support and guidance of some of the biggest industry names in engineering and information technology. Their knowledge and understanding of the skills and attributes required to become a future employee in their fields has guided the curriculum and helped shape the facilities.

As students learn and train at NUAST, they will have the opportunity to work with these companies alongside NUAST teaching staff. Students will leave NUAST fully equipped to enter the world of work or higher education with an enviable set of experiences and contacts.

NUAST has many partners, some of which are listed below:

Rolls-Royce Siemens Toshiba XMA Esendex Experian

## **Education Partners**

In addition, NUAST is sponsored by the University of Nottingham, which provides students with access to world-class research facilities and staff. The university will provide opportunities to develop academic experiences and knowledge.

Students wishing to pursue degree level courses will be given help and support when applying to university.

Finally, the education provision is delivered by the Torch Academy Gateway Trust.

As education partners, the Trust will deliver exceptional educational support that has helped Toot Hill School be rated as 'Outstanding' by Ofsted and moved Meden School from 'Special Measures' to 'Good' in only three years.

## **Facilities**

Housed in a purpose-built, iconic building, NUAST offers the most advanced GCSE and Post 16 facility for the teaching of science, mathematics, engineering and computer science in the local area.

Industry standard science, IT and engineering facilities are complemented by a full suite of teaching rooms covering all key English Baccalaureate subjects.

Opened in Autumn 2014, the building is designed to provide our students with all the experiences they will need to enter higher education or industry. The building has been designed as a modern workplace: open, light and attractive with excellent catering, study and outdoor spaces.

NUAST is a remarkable investment in the young people of the East Midlands.

For more information about the academy visit: [www.nuast.org.uk](http://www.nuast.org.uk)



## **NUAST Job Description**

<b>JOB TITLE</b>	Head of Mathematics
<b>HOURS OF WORK:</b>	Full time
<b>SALARY SCALE:</b>	MPS and UPS pay scales, TLR1B
<b>CONTRACT TYPE:</b>	Permanent

### **Department Overview**

The Mathematics department occupies extremely well equipped facilities within our purpose built building. There are currently three full time and two part-time members of staff in the department.

Mathematics is taught at both KS4 and KS5 with A Level Mathematics and Further Mathematics being delivered. The department also teaches the mathematics elements of our specialist Level 3 Engineering courses.

### **Job Purpose:**

As a Head of Mathematics, you will be an outstanding classroom practitioner who consistently demonstrates the highest standards of delivery and is fully committed to raising attainment across all key stages.

### **Duties and Responsibilities:**

The Head of Mathematics will be responsible for the delivery of the following key priorities:

- To provide outstanding teaching to create a vibrant and distinctive culture for learning for young people interested in Mathematics
- To lead and inspire the Mathematics team of committed staff to achieve excellence for students at GCSE, A Level and in A Level Further Mathematics
- Contribute to whole trust progress boards and support the vision for Mathematics teaching across the trust
- To ensure all our students are able to thrive and engage in both academic and vocational learning to achieve above and beyond their highest potential whilst developing personal and employability skills.
- To plan and execute a diverse programme that meets individual learner needs within mathematics
- You will demonstrate good or outstanding performance against the national teaching standards.

You will inspire our students, stakeholders and employer partners by:

- Working with university sponsors effectively to enhance the students learning through the development and delivery of focus projects
- Understanding national standards within the subject area and ensure that these are followed
- Using effective target setting systems for all students within mathematics to ensure the highest possible levels of achievement
- Identifying effective intervention and mentoring strategies for students within mathematics
- Ensuring that all the work for NUASt follows our vision and values
- Being an outstanding practitioner who inspires students to pursue their career goals
- Contributing to the NUASt Enrichment programme
- Undertaking such other duties as are commensurate with the post and which may reasonably be required by the Principal.

You will enhance young people's futures by:

- Teaching students according to their educational needs, including the appropriate setting and marking of work to be carried out by the students
- Assessing, recording and reporting on the attendance, progress, development and attainment of students whilst keeping electronic records as required
- Contributing to reports and references relating to individual students
- Ensuring that ICT, Literacy and Numeracy are part of the teaching and learning experience of students
- Ensuring a high quality learning experience for students, which meet internal and external quality standards
- Preparing and regularly updating subject materials
- Using a variety of delivery methods, which will stimulate learning appropriate to student needs and demands of the syllabus
- Maintaining discipline in accordance with the NUASt procedures, and to encourage good practice with regard to punctuality, behaviour, standards of work and independent learning
- Undertaking assessment of students as requested by external examination bodies, departmental and NUASt procedures
- Marking and grading students work which enables you to give written/verbal and diagnostic feedback
- Supporting and motivating students to allow them to grow and enhance their own skills in both achieving qualifications and work readiness
- Ensuring the maximum opportunity for young people to prepare for pathways into further learning, training or employment
- Supporting partnership events with key stakeholders including students, parents, employers, schools, further and higher education establishments



- Engaging with employers to develop learner employability skills, ensuring work related learning experiences are at the core of the curriculum
- Ensuring all students understand the expected standards of behaviour and be prepared to intervene where these standards are not followed
- Ensuring a safe, secure and healthy environment for students.

You will protect our students by:

- Responding effectively and immediately to safeguarding/child protection concerns raised by staff, pupils or brought to NUASts attention through other means
- Ensuring that safeguarding policies are followed and communicated effectively.

### **Generic Requirements:**

- 1.** It is a requirement of all posts within the Academy that Health and Safety requirements are upheld in the performance of duties
- 2.** All employees of the Academy are required to uphold the Equality and Diversity Policy and the Academy's Code of Conduct
- 3.** All staff will ensure the safeguarding of young people by the implementation of Child Protection and other safeguarding policies.

This job description is not a complete description of the role, as you are required to undertake any other reasonable duties within the level of responsibility and grading of the post as directed by the Principal.

## Person Specification

<b>Factors</b>	<b>Essential</b>	<b>Desirable</b>
<b>Qualifications</b>	<ul style="list-style-type: none"> <li>• Qualified Teacher Status (PGCE or equivalent qualification)</li> <li>• Good Honours degree (First or Second Class)</li> </ul>	<ul style="list-style-type: none"> <li>• Higher professional qualification</li> </ul>
<b>Experience</b>	<ul style="list-style-type: none"> <li>• Successful experience of teaching in the subject across the full age range of a secondary school</li> <li>• Experience of teaching a wide range of abilities</li> <li>• Proven record as a teacher whose pupils reach high standards of learning and achievement</li> </ul>	<ul style="list-style-type: none"> <li>• Current/recent responsibility post within a department</li> <li>• Experience of pastoral/tutor role</li> </ul>
<b>Skills/ Knowledge</b>	<ul style="list-style-type: none"> <li>• Excellent teaching skills, including effective communication skills, ability to motivate students and staff and the capacity to create good learning environments</li> <li>• A clear understanding of the characteristics of high quality teaching and learning and achievement for all pupils</li> <li>• Knowledge of current issues and recent developments in the curriculum area</li> <li>• Capacity to use ICT as integral part of teaching</li> <li>• Knowledge and understanding of the value added agenda, including levels of progress</li> <li>• Ability to lead initiatives, support the process of change and work effectively in a team</li> <li>• Ability to prioritise, plan and organise</li> <li>• Secure commitment to a clear aim and direction for the subject</li> <li>• Understanding of safeguarding and promoting of welfare of children issues</li> <li>• Understanding of equal opportunities issues and their application to work</li> </ul>	<ul style="list-style-type: none"> <li>• Understanding of particular needs of pupils with SEN</li> <li>• Awareness of factors affecting language and learning across the curriculum</li> <li>• Knowledge/ involvement in other cross curricular initiatives/projects or whole school developments</li> </ul>
<b>Personal Qualities</b>	<ul style="list-style-type: none"> <li>• Enthusiasm for the subject</li> <li>• Ability to use own initiative</li> <li>• A commitment to the vision of the school</li> <li>• A commitment to inclusive education</li> <li>• Ability to form good working relationships with pupils and staff</li> <li>• High standards and expectations</li> <li>• Ability to use pupil assessment data to raise standards</li> <li>• Outstanding communication skills</li> <li>• Reliability and integrity</li> <li>• A commitment to safeguarding and promoting the welfare of young people</li> </ul>	<ul style="list-style-type: none"> <li>• A willingness to contribute to extra-curricular activities</li> <li>• A vision for the development of the department</li> <li>• A commitment to personal and professional development</li> </ul>

Responsible to:	Principal
Date:	March 2017