



Beacon Academy
Ambitious for excellence in all we do



HEAD OF KEY STAGE 3 MATHEMATICS

Information for Applicants



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Headteacher: Ms A Robinson

Post of Head of Key Stage 3 Mathematics

Thank you for your interest in this post at Beacon Academy which offers an exceptional opportunity to teach in a large highly successful, happy, well-resourced, exceptional non-selective 11-18 school.

At Beacon Academy, our teachers are subject experts who persistently advance their knowledge. They debate its content and pedagogy to ensure that our students are taught the very best, and in doing so, they aim for our students to love their subject. Increasingly and intentionally, our teachers make links with other subjects to draw on students' prior knowledge and enable them to understand new content.

Due to an internal promotion for our current Head of Key Stage 3 Mathematics, we are seeking applications from dedicated and hardworking professionals with a desire to work in an extremely successful, happy, well-resourced, exceptional non-selective 11-18 Academy. Applicants must be experienced, enthusiastic and self-motivated, with strong organisational skills, and ready to play a significant role as Head of Key Stage 3 Mathematics.

Context

We are a split site, semi-rural, mixed 11-18 non-selective converter academy with approximately 1467 students, including over 240 students in our Sixth Form. We are situated centrally in Crowborough on the outskirts of the Ashdown Forest, an area of outstanding natural beauty. We are close to Tunbridge Wells and the South Coast. The vast majority of our staff travel to Beacon from a variety of destinations within the South East, including Brighton, Eastbourne, Lewes and Tunbridge Wells.

Our catchment area generates our truly non-selective intake, both in terms of ability and socio-economic background. We are an oversubscribed school. We draw students from more than 10 primary schools in Crowborough and the surrounding areas. We also attract applications from an increasing number of students outside of our catchment area, however, due to our oversubscription we are generally only able to offer places to those within our pre-defined community area.

Our sixth form provision is accommodated entirely at our Green Lane site, an 800m five minute walk from our main Beeches site which accommodates years 7-11. We are immensely proud that we retain a high proportion of our Sixth Form students from Beacon Academy as well as recruiting students from other local and international schools.

Vision, culture, expectations and outcomes

Our vision is to provide the best possible education for all of our students and to be ambitious for excellence in all we do. Whether a member of staff, trustee (governor) or student, we all work relentlessly to inspire and believe in one another to achieve our ambitions and succeed in life.

At Beacon Academy there is an expectation that as staff and students, we will work hard, be ambitious, self-motivated, inquisitive, resilient and determined to succeed. Our students work incredibly hard, are polite, respectful, well behaved, well presented and ready to learn. They are expected to be caring, considerate and tolerant in lessons, social time and whilst travelling to and from school. These areas are reinforced and adopted positively by staff and students alike – there is a tangible sense of pride in being part of Beacon. Our students are meticulously supported by our experienced, loyal, highly skilled and highly effective team of staff. This includes a dedicated, non-teaching Student Support Team consisting of a Head of Year (teaching staff) and an Assistant Head of Year (non-teaching staff) for each year group who support them throughout their time at Beacon Academy.

The rigorous focus on all of our students as unique individuals is paramount. There is an unprecedented determination and commitment from everyone who works at Beacon that they will succeed. We work diligently on our unapologetically high expectations and standards, allowing us to foster exceptional relationships in an environment that is consistently calm, safe, happy and orderly. I have no doubt that the combination of this with our broad, balanced curriculum and outstanding teaching contributes significantly to our sustained improvements across the board. Our latest A-Level and GCSE results are testament to this and to the teamwork of our phenomenal students and staff.

In 2019 we were immensely proud and delighted to be celebrating the best ever A-Level and GCSE results in our sixty year history, and we found ourselves once again significantly above county and national averages. These results placed Beacon Academy as the top performing school in East Sussex and one of the top performing schools nationally.

Exam Success

As confirmed by the Department for Education's national league tables, in 2019 Beacon Academy was the number one school in East Sussex for the third year running under the headline Progress 8 measure, in first place in Sussex overall and in the top 1.8% of all schools nationwide.

Progress 8 is the Government's main performance measure, and reflects the value that schools add to the progress of their students in respect of their final GCSE grades, compared to that of their peers of similar prior ability across the country.

In 2019 our Progress 8 score was 0.97. As a non-selective, non-denominational, non-fee-paying school, we are immensely proud and delighted to have received this confirmation, once again, of our high-ranking position. We are in an esteemed group of 6% of schools nationally who are now categorised as 'well above average' for two years in a row. There are approximately 25 schools nationally who have been above us for each of the last three years (0.7% of all schools). As ever, this is a reflection of our vision and our determination to consistently provide the best possible education for all of our students, and to become an exceptional school for our community, both locally and nationally.

We are incredibly proud of our Sixth Form students. Amidst significant national changes to the structure and content of A Levels, they have achieved some excellent results and 94% of those who applied to university were accepted at their first choice institution.

Our results for 2019 show an increase in all A Level and GCSE attainment measures. Please note that due to the pandemic, we are not able to publish our 2020 results, however we would have continued and sustained our upward trajectory for both our GCSE and A Level outcomes.

National Teaching School and National Support School

Beacon Academy is a National Teaching School and a National Support School and we take a leading role in recruiting and training new entrants to the profession. I am also a National Leader of Education and we have seven Specialist Leaders of Education across a variety of areas on our staff body. We are proud to be an integral part of the East Sussex Teaching School Network. We work collaboratively with our Local Authority colleagues via my chairing of Area Group 1 and also being a representative on the East Sussex School Board.

At Beacon Academy, the quality of teaching, learning and assessment is highly effective, enabling all students to make excellent progress. Our performance management systems, and associated continuing professional development, are tailored to support excellence in teaching. We invest in our teachers through our highly acclaimed NQT programme, recognised as outstanding. We currently support teachers in their second and third year with our Recently Qualified Teacher programme, which we are developing as part of the Early Career Framework. In 2019, Beacon Partnership was selected by the Chartered College, the professional body for teaching, to deliver the prestigious Chartered Teacher (CTeach) Programme in East and West Sussex, Kent and Brighton and Hove. This is designed to further the expertise of experienced practitioners. We also provide opportunities for our staff to undertake NPQs to develop their leadership.

Beacon Academy is on an exciting journey towards becoming an exceptional school. We are judged to be a good school with outstanding leadership. Ofsted and our results confirm this. Trustees, staff, parents and students know this. We have a rigorous, relentless and uncompromising focus on ensuring that all students leave Beacon with the best set of qualifications possible, equipping them for our rapidly changing, highly competitive but exciting world.

To apply

Once again, thank you for your interest in the post of Head of Key Stage 3 Mathematics. Please see the details on page 12 on how to apply for this role. Completed application forms should be e-mailed to the HR Department at vacancies@beacon-academy.org

If you wish to have an opportunity to discuss this post informally, please contact Yonathan Abraham, Assistant Headteacher on 01892 603000, or email y.abraham@beacon-academy.org.

Beacon Academy is committed to safeguarding and promoting the welfare of children and young people. Please come and visit us at any time and see for yourself. To arrange a visit please contact the HR Department.



Anna Robinson
Headteacher



Beacon Academy Examination Results 2018 - 2019

Key Stage 5 - A-Levels only

	2018			2019		
	Beacon	National	E/Sussex	Beacon	National	E/Sussex
Average Grade	C+	C+	C	B-	C+	C+
Average Points	32.4	32.1	31.3	35.3	32.9	32.1
Progress Score	0.01 Average	-0.01	-	-0.08 Average	-0.02	-0.03
Achieving AAB or higher in at least 2 facilitating subjects	10%	16%	9%	20%	17%	10%
Grade and points for a student's best 3 A Levels	B- 35.7	C+ 33.6	C 28.4	B- 38.1	C+ 34.0	C 30.0
Students completing their main study programme	94%	93%	87%	96%	91%	89%

Key Stage 5 - Applied General

	2018			2019		
	Beacon	National	E/Sussex	Beacon	National	E/Sussex
Average Grade	Merit	Merit+	Merit	Merit	Merit+	Merit
Average Points	25.9	28.5	25.7	25.5	28.9	26.6
Progress Score	-0.08	+0.01	-	-0.64	+0.01	-0.34
Students completing their main study programme	100%	90%	79%	83%	87%	93%

Key Stage 5 - Tech Level

	2018			2019		
	Beacon	National	E/Sussex	Beacon	National	E/Sussex
Average Grade	Dist	Merit+	Merit+	Dist	Merit+	Merit+
Average Points	35.2	28.1	27.7	34.6	28.6	29.1
Completion & attainment	0.40	0.00	0.07	-0.50	0.00	0.17
Students completing their main study programme	100%	91%	94%	100%	88%	89%

Key Stage 4 - GCSE & Equivalents

	2018			2019		
	Beacon	National	E/Sussex	Beacon	National	E/Sussex
Attainment of the year group on entry to secondary school (KS2 APS)	27.6	28.3	28.0	28.3	28.6	28.3
9-7	25%	22%	-	29%	21%	-
English & Maths 4+ Standard Pass	75%	64%	62%	79%	65%	64%
English & Maths 5+ Strong Pass	55%	43%	41%	65%	43%	42%
English 4+ Standard pass	84%	75%	74%	87%	70% ⁺	75%
Maths 4+ Standard pass	79%	69%	68%	83%	71%	70%
English 5+ Strong pass	72%	60%	59%	80%	52% ⁺	60%
Maths 5+ Strong pass	61%	49%	47%	67%	50%	48%
Entering EBacc	38%	38%	29%	41%	40%	37%
Ebac APS	4.47	4.04	3.85	4.86	4.07	3.95
Attainment 8	50.7	46.5	45.2	54.00	46.69	45.33
Progress 8	+0.70	-0.02	-0.03	+0.97	-0.03	-0.06



STAFF TESTIMONIALS

I initially joined Beacon Academy as a PE and Spanish teacher in September 2004. I was given the opportunity to develop my skills and understanding on how to become an outstanding teacher from my first year. Before commencing my teaching career I worked as a Personal Trainer in London and have not looked back since.

Over the years Beacon have given me many opportunities to develop my professional development having led on many areas such as Head of Year; Head of Key Stage; Head of Department (in two different subjects), Associate Assistant Head of Academy, Senior Assistant Headteacher focusing on Progress and Achievement and in my current role as Senior Deputy Headteacher.

Beacon Academy is an amazing place to work because of the friendly and helpful staff, there is a strong culture of collaboration and support that allows everyone to develop their practice. The strong focus upon CPD provides everyone the opportunity to learn the latest cutting edge developments in education and this is a major benefit for anyone wishing to further develop their practice. Our facilities and new technology allow us to provide engaging lessons to provide our learners with the perfect learning environment.

I would recommend Beacon Academy to anyone wanting to teach in a school that favours aspirational ethics and outstanding practice, because there are so many opportunities for ambitious staff who are keen to collaborate, develop and share best practice in order to progress in their career.

Senior Deputy Headteacher



I have thoroughly enjoyed coming to work at Beacon Academy. The commitment and dedication from the staff to ensure students are achieving, and going above in and out of lessons is amazing to see. As an NQT I received so much support from other members of staff and feel like I can ask anyone for help. The commitment and extra time given to the students is what makes Beacon such a good school to work in.

Teacher of Mathematics

At Beacon Academy, whether a student, a member of staff, a parent, carer or a trustee, we will all:

**Inspire one another
Believe in one another
Achieve our ambitions
Succeed in life**



The Mathematics Department

We are the highest performing department in East Sussex and one of the highest performing maths departments nationally (Top 1% for Progress 8). There are sixteen specialist teachers of Mathematics, working collaboratively within a well-resourced, dynamic department. There are also two Higher Level Teaching Assistants working within the department supporting the progress of students. Our aim is that all students find Mathematics engaging, challenging and enjoyable.

We are an outstanding department which aims to provide our students with an environment in which they can grow intellectually, creatively and spiritually. We are an incredibly friendly and supportive team that work together to ensure that our students make excellent progress irrespective of their starting point. The department is well supported, in terms of resources and opportunities for staff to develop their teaching and further their careers. We are a forward thinking team and are continuously creating new ways to encourage our students to continue with Mathematics in the sixth form and beyond.

Each year we mentor trainee PGCE students from Sussex and Brighton Universities. We are also currently advertising posts under the schools direct programme. We have found this to be a positive experience in helping bring new approaches and ideas into the department.

Departmental Information

Departmental Staffing Structure:	Assistant Headteacher: Mr Yonathan Abraham Assistant Headteacher: Mr Peter Hall Head of Maths Department: Mr Anthony Stone Second in Charge: Miss Sophie McCoy Head of Key Stage 3: Mr Ben Marcou Head of Key Stage 5: Ms Nicki Robinson Maths Teachers: Mrs Rachel Bigwood; Mrs Ruthanne Burrage; Mr Rob Hoddinott, Mrs Cathy Simpson, Mrs Sinead Buick, Mrs Toni Daines, Miss Amy Prowse, Mr Dylan Whittaker, Ms Alex Kubanova and Mr Hamish Forbes HLTA's: Mrs Zoe Hutchings, Mrs Janis Wild
Curriculum:	KS3: National Curriculum KS4: Edexcel 9-1 GCSE and GCSE Further Maths (AQA) KS5: Edexcel Mathematics GCE
2019 Results KS4 & KS5	KS5 results: A level Mathematics 50% of students achieved a grade A* - A 72% of students achieved a grade A* - B 100% of students achieved a grade A*- C KS4 results: 24.3% of students achieved a grade 9 - 7 67.8% of students achieved a grade 9 - 5 83.7% of students achieved a grade 9 - 4

Facilities:	16 Classrooms & a department office
Resources, including IT:	<p>Each classroom has access to:</p> <p>Interactive Promethean Board, with ActivInspire installed</p> <p>Whiteboard for teacher use</p> <p>Computer with Extended Desktop</p> <p>Mini or A4 whiteboards (Class set)</p> <p>A set of higher and foundation KS4 textbooks</p> <p>A set of KS3 textbooks</p> <p>Department has:</p> <p>Boxed resources made by the department</p> <p>A store cupboard that has resources such as Dice, Counters, multilink and general mathematics equipment.</p> <p>Access to IPADS for lessons</p>
Key areas for development:	<p>Tracking of students to try to ensure fewer students miss their FFT target grades.</p> <p>Improving the attainment of student with the lowest prior attainment within KS4.</p>

JOB DESCRIPTION

JOB TITLE:	Head of Key Stage 3 Mathematics
JOB PURPOSE:	To ensure that the negotiated aims and objectives of the department (which reflect those of the Academy) are achieved by enabling staff to deliver the curriculum effectively.
ACCOUNTABLE TO:	Head of Mathematics
ACCOUNTABLE FOR:	All staff who teach and provide support within Mathematics Key Stage 3 subject area

KEY ACCOUNTABILITIES	KEY TASKS
<p>1. THE LEADERSHIP OF POLICY Involved in the review, development and presentation of Academy and government aims, policies and objectives. To develop supportive relationships within the Academy and the community.</p>	<p>To:</p> <ul style="list-style-type: none"> a) To take part in implementing the above in the department. b) Lead, co-ordinate and evaluate the work in Key Stage 3 in relation to the teaching of Mathematics at Beacon. c) To take responsibility for the development of schemes of work, assessment and lesson planning in Key Stage 3. d) Ensure that the Department environment and ethos is understood by all and underpins and enhances students' learning and rewards students' achievements. e) Undertake all precautions to safeguard the health and safety of students and staff at all times within the subject area.
<p>2. THE LEADERSHIP OF LEARNING Accountable for the quality of experiences offered to the students.</p>	<p>To:</p> <ul style="list-style-type: none"> a) Generate, disseminate, discuss, implement and evaluate curriculum for the Key Stage 3 area. b) Review student's work across the age and ability ranges. c) Monitor and evaluate the work of the Mathematics team in Key Stage 3 in relation to the teaching of Mathematics including marking audits and reviewing the impact of teaching and pupil progress. d) Monitor, track and analyse relevant data to make judgments' to ensuring progress of all students.

<p>3. THE LEADERSHIP OF PEOPLE Accountable for the effective leadership and co-ordination of those teaching in the key stage.</p>	<p>To:</p> <ul style="list-style-type: none"> a) Create, maintain and enhance effective relationships and provide support as necessary. b) Ensure planning and marking of work. c) Ensure cover work is produced when necessary for members of the team.
<p>4. THE LEADERSHIP OF RESOURCES Accountable for the allocation and monitoring of material resources within the key stage.</p>	<p>To:</p> <ul style="list-style-type: none"> a) Liaise with the Head of Mathematics to manage efficiently and cost-effectively the resources available to the Department and set up systems to ensure good stock maintenance. b) Ensure resources are used to create and maintain an effective, safe learning environment c) Ensure resources are printed as necessary d) Monitor and evaluate the use of the physical environment e) Monitor and make the Head of Mathematics aware of Health and Safety issues.
<p>5. THE LEADERSHIP OF COMMUNICATIONS Communication between specific subject area and subject Director of Learning</p>	<p>To:</p> <ul style="list-style-type: none"> a) Provide information to the Head of Mathematics on Key Stage success and areas for development b) Advise Head of Mathematics on relevant Inset needs and other opportunities c) Keep abreast with developments in the key stage area d) Attend relevant courses and disseminate the information to the department e) Ensure the department handbook communicates the correct information linked to the key stage area. f) Work with the Head of Mathematics to maintain a high profile of the department within the Academy and community

This job description sets out the duties of the post at the time it was drawn up. The post holder may be required from time to time to undertake other duties within the Academy as may be reasonably expected, without changing the general character of the duties or the level of responsibility entailed. This is a common occurrence and would not justify a reconsideration of the grading of the post.

PERSON SPECIFICATION

ESSENTIAL	DESIRABLE
Qualifications <ul style="list-style-type: none"> Graduate & Qualified teacher Degree and Teaching Qualification 	Qualifications <ul style="list-style-type: none"> Evidence of commitment to professional development
Experience <ul style="list-style-type: none"> Secondary teaching experience across both Key Stage 3 and 4 and preferably KS5. An outstanding, research informed practitioner with a proven record of raising attainment for students Excellent knowledge of your subject, teaching, learning, assessment and exam boards with a proven track record, assessment strategies and their effective implementation 	Experience <ul style="list-style-type: none"> Teaching students across prior attainment bands in a large comprehensive school Experience of working in an outcome led data driven culture A proven track record of impactful teaching within your specialism at Key Stage 5 Leadership experience within a high performing department that can be evidenced via outcome data over time and references
Philosophy <i>Commitment to:</i> <ul style="list-style-type: none"> Working in an environment that is ambitious, has high standards and expectations of the staff and students to enable teachers to teach and students to learn Working collaboratively with other team members to lead and develop pedagogy Equality of opportunity The responsibility of contributing to whole team effort to ensure Beacon is an exceptional school 	Philosophy <ul style="list-style-type: none"> An understanding of Academy status Consistently good teaching with examples of developing outstanding practise. An understanding of Mathematics as part of the whole curriculum and the bigger picture within Beacon, locally, nationally and globally. Committed, ambitious for excellence in all you do, aspirational for our students to achieve the best they can and succeed
Skills <i>You will need to be an effective:</i> <ul style="list-style-type: none"> Teacher Communicator Strong ICT skills (with a commitment to develop further through the utilisation of the 'Creative Learning Centre') Ability to lead a team Ability to motivate, support and inspire trust in others. Ability to innovate and manage change Ability to confront and resolve problems 	



APPLICATIONS

Please note that applications will be considered as they are received and you are therefore advised to submit your application as early as possible, as some interviews may take place, and an appointment may be made, before the closing date is reached for this position.

If, like us, you are passionate about providing the best possible education for all students in a school with sustained improvement and a culture of high expectations and ambition, please ensure you:

1. Complete the statutory application form
2. Provide a letter of application that is no longer than 2 sides of A4. It is recommended that your letter is structured according to the main headings of the person specification. Please include any achievement data that are applicable to the role you are applying for. If possible, this should be across 3 years; otherwise please provide your latest set of results.
3. Provide two references, one of whom must be the Headteacher from your current school or most recent significant employer.

Completed applications should be sent to:

Human Resources
Beacon Academy
North Beeches Road
Crowborough
East Sussex TN6 2AS
Telephone: 01892 603078
Email: vacancies@beacon-academy.org

Beacon Academy is committed to providing the best possible care and education to its students and to safeguarding and promoting the welfare of children and young people. The Academy is also committed to providing a supportive and flexible working environment to all its members of staff. The Academy recognises that, in order to achieve these aims, it is of fundamental importance to attract, recruit and retain staff of the highest calibre who share this commitment. Please refer to our Recruitment, Selection and Disclosure Policy and Procedures which supports our statutory obligation to comply with Keeping Children Safe in Education 2020. Further information can be found on our website.