



## Entry Requirements

### A Level Programme

- To study with us you will need to have an average of at least 6 subjects at level 7.5 at GCSE or IGCSE, (including level 8 in Mathematics and in any subjects that you wish to study at A level that you have already studied at GCSE or iGCSE.)
- If you are not studying a GCSE/iGCSE programme, we will review your qualifications alongside our internal assessments and determine if you meet our entry requirements.
- All offers for international students are conditional on obtaining an IELTS overall score of 5.0 or equivalent.
- Students not in possession of an IELTS score of 5.5 are required to attend the Pre-A-Level course.

### Pre-A-Level Course

- To study with us, you will need to provide a school report showing your academic achievements for the last two years.
- All offers for international students are conditional on obtaining a minimum IELTS overall score of 4.0, or equivalent.

## The Application Process

Our Application Process can also be found on our website at [www.natmatsci.ac.uk](http://www.natmatsci.ac.uk). Please follow this easy step by step guide:

1. Complete the application form, and pay the registration fee. This can be done online using the **enquiry form** or contact your local agent for further information.
2. Sit the Entry Assessment tests in Mathematics and English at our representative's office and have a video conference interview with the Principal or member of the senior leadership team. This will be arranged at a date and time convenient to you.
3. We will ask for copies of your recent school reports and a reference from the Head or Principal of your current school.
4. Normally we will notify you within ten working days of the outcome of your application.

The National Mathematics and Science College operates selective entry based on successful completion of the College Entry Assessment tests along with an interview. This process helps the admissions team to decide if the College is the best place for you to study for your A levels and which of our **Programmes of Study** will help you achieve your full potential.

## **We require all prospective students to:**

- Sit Entry Assessments in Mathematics and English
- Attend an interview with the Principal (in person or online) or another Senior Leader
- Provide a copy of the most recent school report

Our admissions team will then consider your suitability to study with us, based on your performance during the admissions process, your school record and other factors.

On successful completion of the above, the College will issue an **Offer letter**. To accept a place, parents must complete and return the Acceptance Form together with the refundable deposit, which will secure the student's place at The National Mathematics and Science College.

## **Entry Assessments**

You will be formally assessed on your skills in Mathematics and English. Details can be found below of what to expect, to help you prepare. You will also have an interview with our Principal or another member of the senior team, which is an opportunity to demonstrate your English-speaking skills as you discuss why you are passionate about STEM A-Level subjects.

### **English**

The English assessment will consist of two parts and is designed to gather information about English competency and skill level, as well as giving us an insight into your critical thinking skills.

**Part 1:** Multiple choice questions assessing your understanding of English.

**Part 2:** Writing assessment. This assessment gives you the opportunity to demonstrate your critical thinking skills in English. You will have 15 minutes to complete the task, with no word limit.

Some possible essay titles are:

- What do you think is the best invention in history? Describe the invention and explain why you think it is so important.
- How do you think will the world change in the next 100 years?
- How do you think science and technology make our lives easier?
- Science is the most important school subject. Do you agree or disagree?

### **Mathematics**

A strong foundation in Mathematics is needed to ensure that you can fully engage with the College's curriculum. In the Mathematics Entry Assessments test, we are generally interested in the higher GCSE Mathematics Algebra and Geometry topics:

- Quadratics, including: solving by factorising; the quadratic formula; difference of two squares; completing the square; features of parabolas; use of the discriminant
- Algebra, including: simultaneous equations and points of intersection; simplifying algebraic fractions; laws of indices; laws of indices
- Triangle geometry, including: Pythagoras' theorem; trigonometry; the sine and cosine rules; area of a triangle given two sides and included angle; graphs of  $y=\sin(x)$  and  $y=\cos(x)$

- Circle geometry, including: area and circumference of a circle; circle theorems; area of a sector; arc length; volume of a sphere; volume of a cone
- Sequences, including: sum of an arithmetic sequence and the formula  $1+2+\dots+n=12n(n+1)$
- Properties of numbers, including: greatest common divisors and lowest common multiples; manipulating surds and rationalising the denominator

The assessment is in the form of an online multiple choice exam. There may be some questions in the assessment which feel unfamiliar, but it will always be possible to solve the problems using careful, imaginative reasoning and the concepts mentioned above.

## Interview

Following your assessments, you will be invited to an interview and feedback session, in person or online, with the Principal or another member of the senior team. During the interview we will find out more about you, and explore your mathematics and English language ability in more detail. It will also be an opportunity for you to ask us questions about College life. The interview will last approximately 30 minutes.

## Further Information

### Visa Application Process

- If you are successful in your application, the College will assist with your visa application process.

### English as an Additional Language

Our College makes provision for students who have English as an additional language (EAL) in the assessment procedure. We do not regard students as having a 'learning difficulty' solely because the 'language or medium of communication of the home is different from the language in which he or she is or will be taught' (Education Act 1996, Section 312(1), (2) and (3)). They will be assessed to gauge the level of English that they will need in order to ensure equal access to the curriculum successfully, along with all other aspects of life at our College. Our College has a policy and procedures for students requiring *English as an Additional Language* (EAL).

### Additional or Special Educational Needs

Special Educational Needs are known as 'Additional Needs' at the College. Where a student who has additional needs joins the College, we will always consult with parents to ensure that any reasonable adjustments to the curriculum are provided. The College will make reasonable adjustments to meet the additional needs of student. Any additional services that are needed to meet additional needs, such as dyslexic tuition, will typically be subject to an additional charge. The College has limited facilities for students with additional needs but will do all that is reasonable to comply with its legal and moral responsibilities, in order to accommodate the needs of applicants who have additional needs for which, with reasonable adjustments, the College can cater adequately.

It is very important that the parents of students who have received special services or who believe they may need additional support, contact the College as soon as possible. Specific information relating to a child in need of special services will be considered by the College, who will make determinations about admissions.

## **Information Required**

In addition to personal and medical details, we require two contacts for each student on roll.

When a student leaves the College prior to the end of his or her programme, we are obliged to notify the local authority of an early departure, and in the case of visa holders UKVI.

*Principal*

*Date Reviewed: January 2021*

*Date of Next Review: January 2022*