

A vibrant blue line-art doodle background featuring various scientific and technical motifs. It includes a microscope, a beaker with bubbles, a gear, a leaf, a flower, a pencil, and various geometric shapes and swirls.

# MAKE YOUR MARK

## STEM

SCIENCE, TECHNOLOGY,  
ENGINEERING & MATHS





## CASE STUDY

# Isobel Foster

Future Scientist

**HIGH SCHOOL**  
Alleyne's Academy

**STUDIES AT COLLEGE**  
Physics  
Chemistry  
Fast Track Maths  
Further Maths

**PLANNED DESTINATION**  
University—Russell Group  
Natural Sciences

## Meet a Student.... A Level Physics

She says: "I like studying Physics because I love having a deeper understanding on how our world works and learning about the maths behind it all"



# Courses for Autumn 2021



# James Adams

Year 2 Junior Doctor



## FORMER HIGH SCHOOL

Endon High School

## YEARS AT COLLEGE

2011—2013

## STUDIED AT COLLEGE

Chemistry—A\*

Maths—A\*

Physics—A\*

Further Maths—A

Biology (AS) - A

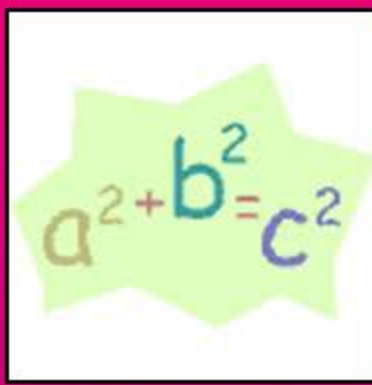
## DESTINATION

Manchester University,  
Medicine Degree.

## Meet an Alumni... STEM

He says: "I love Medicine because of the variety. One minute you're in problem solving mode, putting together pieces of a brainteasing puzzle to form a diagnosis, the next you're focussing on building relationships and communicating well with someone's family, it's a brilliant combination of science and humanity, with a bit of everything from academia, leadership and getting your hands dirty."




$$a^2 + b^2 = c^2$$

- Mathematics consists of proving the most obvious thing in the least obvious way.

Polyá, George  
(1887 - 1985)

# A Level Statistics

This course involves studying applications of Statistics and Probability.

There will be practical activities

You will need a graphical calculator





# A Level Statistics

This helps towards careers in medicine, dentistry, pharmacy, business, economics, geography, psychology and many careers that use statistics, such as the civil service, environmental agencies and pharmaceutical companies.





## CASE STUDY

# Lily Massey

Future Biochemist

**HIGH SCHOOL**  
Endon High

**STUDIES AT COLLEGE**  
Fast Track Maths  
Further Maths  
Chemistry  
English Literature  
German

**PLANNED DESTINATION**  
University—Russell Group  
Biochemistry

### Meet a Student.... A Level Maths (Fast Track)

She says: "Fast Track is a really interesting course that challenges you with its fast but good pace. I'm really glad that I chose to do Fast Track, because it's allowed me to do two full A-Levels in two years with a great class of people and incredibly supportive teaching staff"





# **A Level Mathematics**

**This course involves studying  
3 areas of mathematics.**

**Core Maths (Pure Maths)**

**Mechanics**

**Statistics**





## CASE STUDY

# Hannah Barlow

Future Doctor

**HIGH SCHOOL**  
Ormiston Meridian

**STUDIES AT COLLEGE**  
Chemistry  
Biology  
Maths  
MDV Programme

**PLANNED DESTINATION**  
University of Sheffield  
Undergraduate Medicine

## Meet a Student.... A Level Chemistry

She says: "The reactions of compounds, in particular, the reactions of drugs in the body is something I find particularly interesting. Studying Chemistry at the Sixth Form College developed that interest, and helped me to decide to follow a career in medicine."





If you are very good at  
Maths, have you  
thought of FURTHER  
MATHS ?



# FURTHER MATHS

You will study Pure  
Mathematics, Statistics  
and Mechanics in  
greater depth.





# FURTHER MATHS

You can achieve 2 full A levels on this course.

A Level maths completed in Year 1

A Level further maths completed in Year 2

You have to be committed!





## CASE STUDY

# Homam Naser Al Din

Future Doctor

### HIGH SCHOOL

L3 Foundation—College

### STUDIES AT COLLEGE

Biology

Chemistry

Maths

MDV Programme

### PLANNED DESTINATION

Hull York Medical School

Undergraduate Medicine

### Meet a Student.... A Level Biology

He says: "I have offers to study Medicine at Hull York Medical School and Keele. Doing A level Biology equips you with a super human vision that allows you to visualise complex mechanisms that take place in living forms as simple, we may think, as a leaf..."





# A Level Computer Science

If you like solving problems and can think logically, then Computer Science is the course for you

You must also take A Level maths



# T Level Digital Production, Design and Development

A new course developed in collaboration with  
employers and businesses.

Develop the skills employers actually want!





# T Level Digital Production, Design and Development

Level 3 course equivalent to 3 A Levels

Assessed 20% on work placement and 80%  
on the technical qualification



# Anderson Allcock

Cambridge student



## **FORMER HIGH SCHOOL**

Trentham High School

## **YEARS AT COLLEGE**

2016—2018

## **STUDIED AT COLLEGE**

Biology—A\*

Chemistry—A\*

Maths—A\*

## **DESTINATION**

Jesus College,  
Cambridge University.  
Veterinary Medicine

## **Meet an Alumni... STEM**

He says: "Veterinary Medicine had been my dream profession ever since I was a kid. Stoke Sixth Form College helped make my dream a reality through guidance, inspirational teachers and helping me to believe it was all possible!"





If you have any questions, the staff will be happy to answer them.

