

# MULBERRY STEM ACADEMY

IN PARTNERSHIP WITH   
MERCEDES-BENZ GRAND PRIX

# IMPACT REPORT

## COHORT 2 2023





# YEAR 13 ACHIEVEMENTS



The Mulberry Schools Trust is delighted to share the successes, achievements and destinations of our second cohort of Sixth Form Mulberry STEM Academy students.

It has been an amazing two years. Students from Mulberry Stepney Green won the Greenpower International Final F24+ Kit Car Race at Goodwood Motor Circuit, 24 students attended a week long residential work experience and students are embarking on their next chapter at top universities and other destinations. Exam results reflect our students hard work over their two year courses, whilst they were also studying independently for their Extended Project Qualification.

We will stay in touch with students who are studying engineering degrees through our alumni network.

## SUMMARY

We are delighted to report that students on the programme:

- Have completed a qualification in Python programming
- Participated in Greenpower, with four teams reaching the International Final F24+ race
- A group of 24 students attended a week-long residential work placement at Mercedes-Benz Grand Prix Ltd HQ
- The majority of students were entered for an Extended Project Qualification – an independent research project worth half an A Level. 76% of entries were graded A\*-C and 46% A\*-B.

## NOTABLE HIGH ACHIEVERS:

### A Levels

Name	Grade
SA	ABBB
TA	AAAC
MA	ABBC
AS	ABB
AT	ABC
RA	AAB
BD	ABB
HI	A*AB
MI	A*AB

The average A Level grade for Mulberry STEM Academy students was C (31.5 points).



**Full list of destinations below:**

Destination	Course
Brunel University	Computer Science
City, University of London	Aerospace Engineering
City, University of London	Computer Science
City, University of London	Civil Engineering
City, University of London	Aeronautical Engineering
Ford Degree Apprenticeship	Motor Vehicle Engineering
Goldsmiths, University of London	Computer Science & Management
Goldsmiths, University of London	Computer Science
Goldsmiths, University of London	Computer Science
Heriot-Watt University	Computer Science
KPMG Degree Apprenticeship	Audit
London South Bank University	Advanced Vehicle Engineering (with Foundation year)
London South Bank University	Building Surveying
Loughborough University	International Business
Northeastern University London	Data Science
Queen Mary, University of London	Computer Science
Queen Mary, University of London	Mathematics
Queen Mary, University of London	Electronic Engineering with Foundation
Queen Mary, University of London	Chemical Engineering
Queen Mary, University of London	Computer Science
Queen Mary, University of London	Mathematics
Queen Mary, University of London	Mechanical Engineering
Queen Mary, University of London	Biomedical Science
University College London	Electronic and Electrical Engineering
University College London	Geophysics
University College London	Chemistry
University of Brighton	Biomedical Science
University of Brighton	Aerospace Engineering
University of East London	Psychology
University of Greenwich	Computer Science
University of Greenwich	Mechanical Engineering
University of Strathclyde	Chemistry
University of Westminster	English Literature
University of Westminster	Economics

Out of the 40 students so far:

- 6 took a gap year
- 28 are pursuing STEM degrees
- 12 are pursuing Engineering degrees



# YEAR 11 ACHIEVEMENTS



Students' achievements in Year 11 are exceptional. The overall average grade at GCSE for Mulberry STEM Academy students is 7.3. This is the same as 2022 despite a national drop in attainment and much larger numbers on the Mulberry STEM Academy. 65% of students achieved the top grades (7+) in all subjects. Twenty-four students achieved grade 8 and higher and 4 students achieved grade 9 in all subjects.

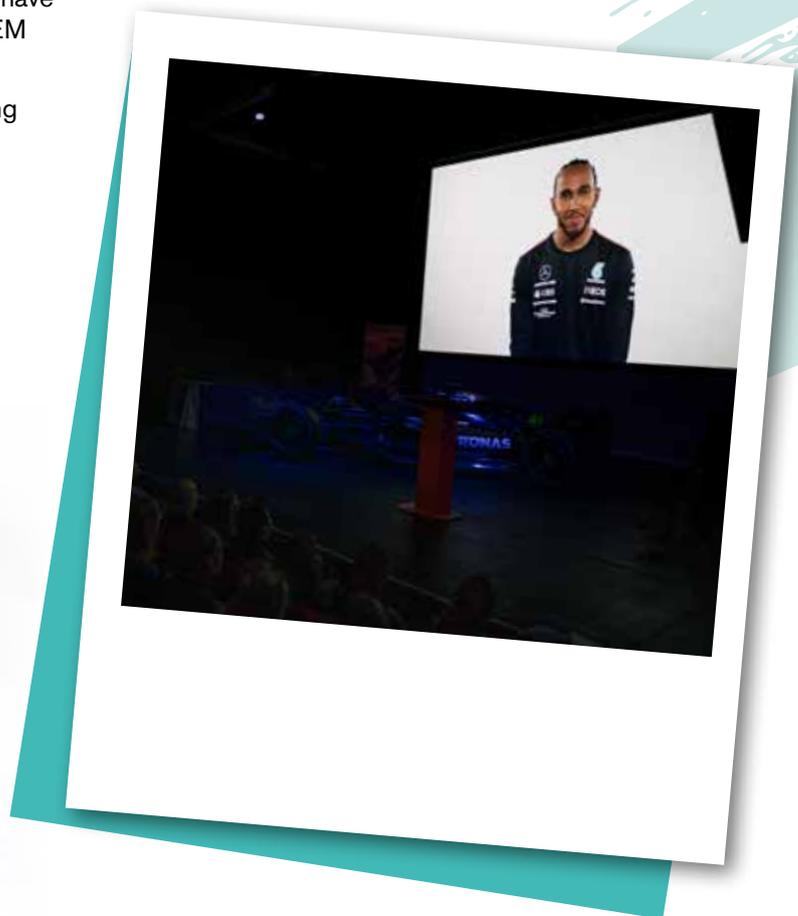
We are delighted to report that year 11 students on the programme:

- Completed courses in robotics and python programming
- Participated in the Greenpower F24 race
- Attended termly careers conferences with Mercedes-Benz Grand Prix Ltd
- Completed the CREST Silver Award

As a consequence of such high attainment, we have large numbers of students now enrolled on STEM A Level courses in our schools.

Below indicates the number of students studying these courses compared to 2022.

- Maths A Level 223 (increase from 176)
- Chemistry A Level 144 (increase from 133)
- Applied Science 50 (increase from 26)
- Physics 53 (increase from 42)
- Computer Science 45 (increase from 27)



# KEY STAGE 2 SUMMARY



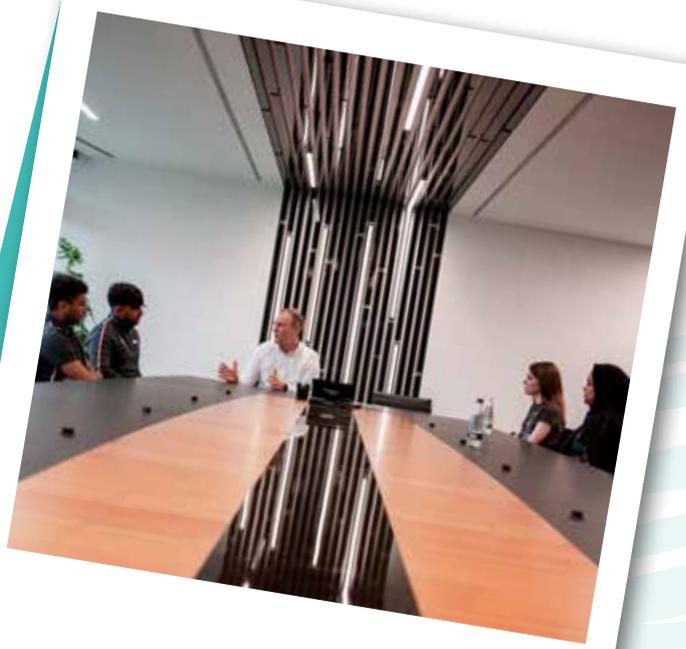
We are delighted that several hundred primary school children have participated in the Mulberry STEM Academy through our roadshows.

They have benefitted from:

- KS2 taster days in Science, Technology and Maths
- CREST SuperStar Awards problem-solving challenges
- Robotics
- F1 in Schools
- Greenpower Goblin Project, designing and building electric powered cars



# WORK EXPERIENCE





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