

# Cambridge Academy for Science and Technology

The best in everyone™

Part of United Learning

Year 12 and 13 Information Evening

# Agenda

The format is as follows:

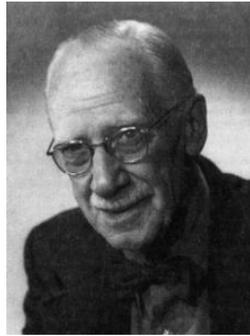
- 4:45 - 5pm - meet the tutors and Head of Sixth in the Lecture Theatre
- 5 - 5:30pm - talk about UCAS from a university expert
- 5:30 - 5:45pm - talk from Head of Sixth Form and SLT
- 5:45 - 6pm – Q & A with SLT (change from what was sent out)

## Year 12



Eduard **Bouchet** was a renowned physicist and the first African American to earn a Ph.D.

Form tutor **Ronnie**  
room 122



Kenneth Stewart **Cole** was an American biophysicist described by his peers as a pioneer in the application of physical science. Considered the Father of biophysics.

Form tutor **Tracy**  
room 108



William **Gilbert** also known as Gilberd, was an English physician, physicist and natural philosopher. He created the Science of magnetism.

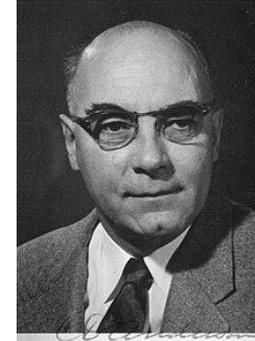
Form tutor **Eleanor**  
room 201A

## Year 13



Mae Carol **Jemison** is an American engineer, physician, and former NASA astronaut. She became the first African-American woman to travel into space when she served as a mission specialist aboard the Space Shuttle Endeavour in 1992.

Form tutor  
**Agnes** room  
206E



Carl David **Anderson** was an American physicist. He is best known for his discovery of the positron in 1932, an achievement for which he received the 1936 Nobel Prize in Physics, and of the muon in 1936.

Form tutor **Allan**  
room 201B



Rosalind Elsie **Franklin** (was a British chemist and X-ray crystallographer whose work was central to the understanding of the molecular structures of DNA (deoxyribonucleic acid), RNA (ribonucleic acid), viruses, coal, and graphite

Form tutor  
**Ysanne** room  
118A

# KEY SENIOR STAFF



Danielle Pacey -  
Principal



Alex Caley  
Assistant Principal  
– Raising  
Standards



Alistair Easterfield  
Assistant Principal –  
Wider curriculum

# KEY SENIOR STAFF



Ed Roberts Rayne  
Assistant Principal –  
Quality of Education



Laura Atkin  
Assistant Principal –  
Pastoral

# HEAD OF YEAR

Head of Sixth Form

Margarita Beltran

Margarita.Beltran@cambridgeAST.org.uk



# CHALLENGE YEAR 12 -13



Projects with industry:

- Protein Challenge – Babraham Institute
- Water Challenge - CamEO, Cambridge Water, Anglian Water, Environment Agency & Hobsons Conduit Trust



and internal projects in personalised medicine and DNA origami through the Institute for Research in Schools and the genomics department at Addenbrooke's.



# BAKER AWARD

Recognises employability skills

Demonstrate competencies in:

- Teamwork
- Problem solving
- Using resources effectively
- Communication
- Use of technical/work based practices
- Taking responsibility and demonstrating perseverance

Work experience

Employer led projects

Academic qualifications

A career plan

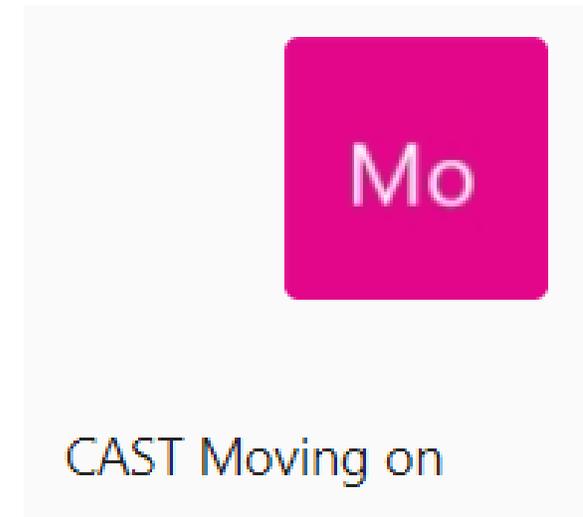


# CAREERS

**Year 12** – How to get a job

- Work experience 17th-21st March

**Year 13** – Individual support with university and apprenticeship applications





# WIDER CURRICULUM YEAR 12 - 13

Managing transitions

Exam stress

Finance

Politics

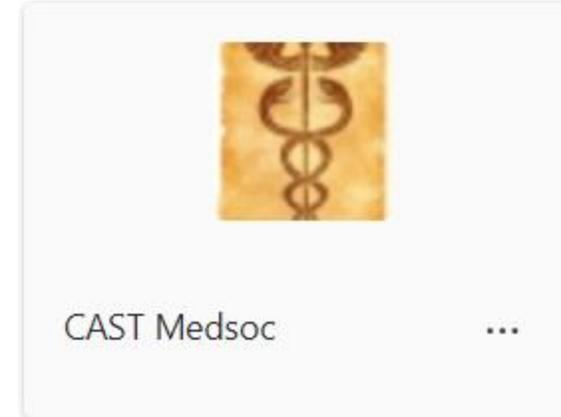
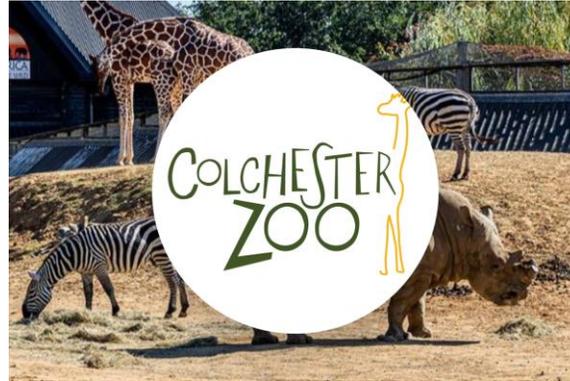
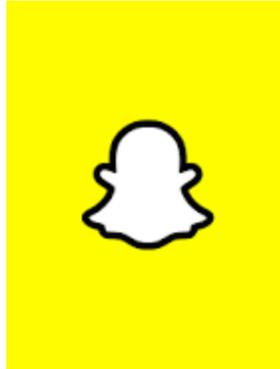
Religion



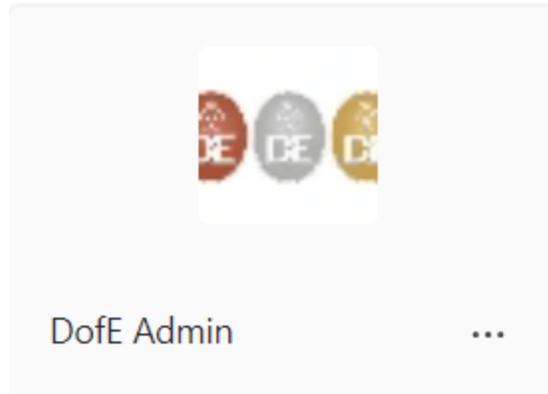
CAST Wider Curriculum



# SUPER-CURRICULAR



# EXTRA-CURRICULAR



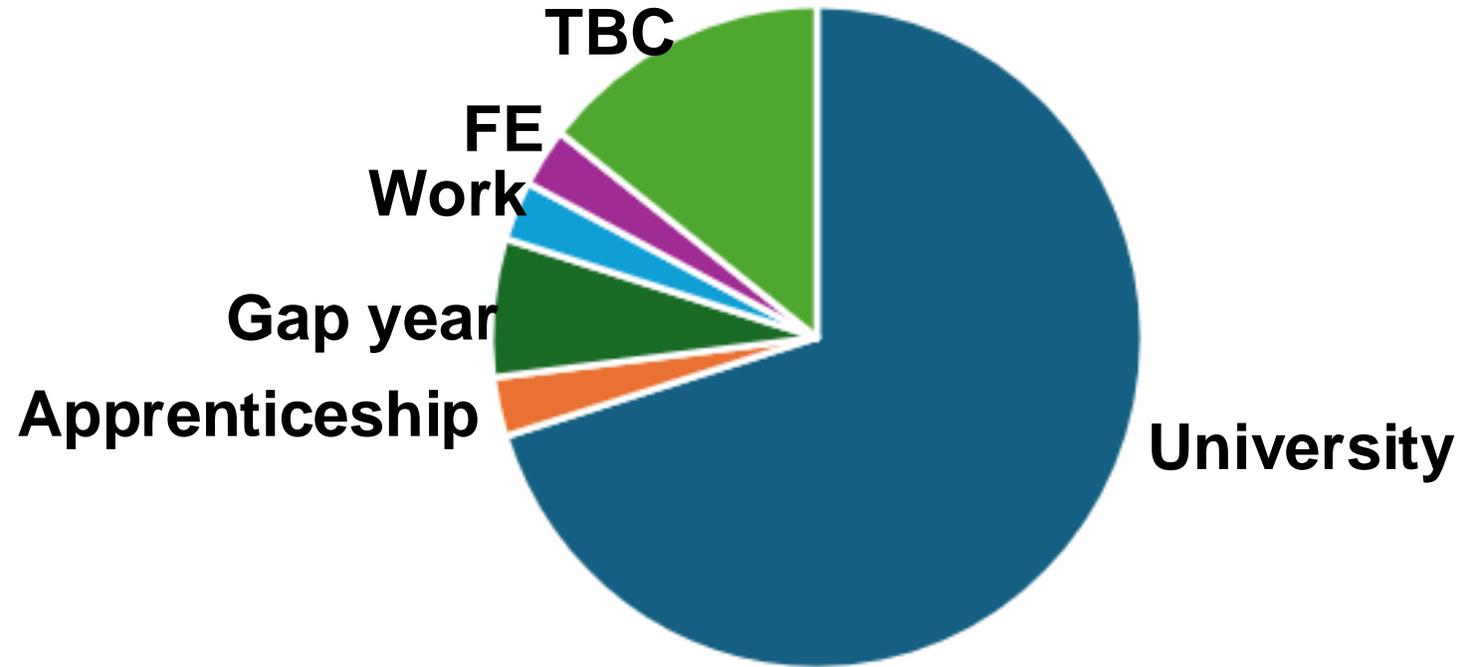
# A & T LEVEL RESULTS 2024



Key Headlines from the summer results:

- **20 %: A\* - A**
- **40 %: A\* - B**
- **T levels – Distinctions and Merits**
  
- Comments from students on results day:
  - *Joe Middleton, who achieved three A\*s and two As, will be taking up a degree-level apprenticeship with Airbus.*
  - *“I am incredibly pleased with my grades and that I will be starting my apprenticeship in two weeks. The skills I have learnt at CAST will really support me in my future career,” said Joe.*
  
- [A-level results day 2024: Strong set of results from Cambridge Academy for Science and Technology students \(cambridgeindependent.co.uk\)](https://www.cambridgeindependent.co.uk/a-level-results-day-2024-strong-set-of-results-from-cambridge-academy-for-science-and-technology-students/)

# DESTINATIONS



# TEAMS

All independent study is set on assignments on teams

The screenshot displays the Microsoft Teams interface. On the left is a vertical navigation bar with icons for Activity (15 notifications), Chat (1 notification), Calendar, Assignments (highlighted with a blue hand-drawn box), Teams, and a phone icon. The main area is titled 'Teams' and contains a dropdown menu labeled 'Classes'. Below this, three class cards are visible:

- CAST A-Level Chemistry Class of...** (with a book icon)
- CAST GCSE Chemistry Class of 2025** (with a chemistry flask icon)
- CAST A-Level Psychology Class of...** (with a brain icon)

# INDEPENDENT STUDY AND FLEXI TIME

	9 Monday	10 Tuesday	11 Wednesday	12 Thursday	13 Friday	14 Saturday
08:00						
09:00	08:50-10:30 Physics: Year 13: 130A/Ph	09:40-10:30 Tutor Time: Year 13: 130A/Ph	Flexi	Flexi	Flexi	
10:00	10:30-11:20 Mathematics: Year 13: 130C/Ms	10:30-11:20 Challenge: Year 12: 130C/Cg1	10:30-11:20 Mathematics: Year 13: 130C/Ms	10:30-11:20 Computer Science: Year 13: 130B/CS		
11:00	11:40-12:30 Mathematics: Year 13: 130C/Ms	11:40-13:20 Challenge: Year 12: 130C/Cg1	11:40-12:30 Physics: Year 13: 130A/Ph	EPQ		
12:00	Surgery		Gym	12:30-13:20 Physics: Year 13: 130A/Ph		12:30-13:20 Mathematics: Year 13: 130C/Ms
13:00						
14:00	Up learn	14:00-15:40 Challenge: Year 12: 130C/Cg1	14:00-15:40 Computer Science: Year 13: 130B/CS	14:00-14:50 Physics: Year 13: 130A/Ph	14:00-14:50 Mathematics: Year 13: 130C/Ms	
15:00	14:50-16:30 Computer Science: Year 13: 130B/CS					
16:00						

IMPROVE YOUR A LEVEL GRADES

**A\*/A guaranteed or your money back**

Up Learn provides everything you need to get an A\*/A at A Level in your subject, as efficiently as possible. No need for textbooks or tutors.

Start free 3-day trial



97%

The proportion of students that get an A\* or an A at A Level after completing Up Learn

1 in 3

A Level students using Up Learn to build exam confidence

500+

Schools using Up Learn to boost achievement

# PROGRESS EVENINGS AND REPORTS

- First progress evening with parents and students (School cloud)
  - Subject staff share their views on student's progress and ways they can improve after the students first term at CAST
  - Parents can ask questions and raise any concerns with subject teachers
- First data Report
  - Results and progress from the January formal assessments
  - Attendance to date
- Second progress evening with parents and students
  - Subject staff share their views on student's progress and ways to improve following the January formal assessments
  - Parents can ask questions and raise any concerns with subject teachers
  - Parents can ask questions about subjects before the Options Evening (Year 9 ONLY)
- Data report
  - Results and progress from the May formal assessments
  - Attendance to date

- Year 12
- Friday 7<sup>th</sup> February – Data Report
  - Results and predictions from the January formal assessments
  - Any concerns the teachers have about the conduct of the student
  - Attendance to date
- Wednesday 12<sup>th</sup> February – Parents’ Evening
  - Subject staff share their views on student’s progress and ways to improve following the January formal assessments
  - Parents can ask questions and raise any concerns with subject teachers
- Friday 4<sup>th</sup> July - Data Report
  - Results and predictions from the June formal assessments
  - Any concerns the teachers have about the conduct of the student
  - Attendance to date
- Wednesday 9<sup>th</sup> July – Parents’ Evening
  - Subject staff share their views on student’s progress and ways to improve following the June formal assessments
  - Parents can ask questions and raise any concerns with subject teachers

- Year 13
- Wednesday 9<sup>th</sup> October – Parents’ Evening
  - Subject staff share their views on student’s progress and ways to improve following the September progress assessments
  - Staff share advice on how students should prepare for the November mock exams
  - Parents can ask questions and raise any concerns with subject teachers
- Thursday 19<sup>th</sup> December – Data Report
  - Results and predictions from the November mock assessments
  - Any concerns the teachers have about the conduct of the student
  - Attendance to date
- Wednesday 22<sup>nd</sup> January – Parents’ Evening
  - Teachers share how the student has done following the November formal mocks
  - Teachers advise how the student can improve for their February formal mocks. This will allow the student to be as prepared as possible for their summer A-level exams
  - Parents can ask questions and raise any concerns with subject teachers
- Friday 4<sup>th</sup> April - Data Report
  - Results and predictions from the November mock assessments
  - Any concerns the teachers have about the conduct of the student
  - Attendance to date