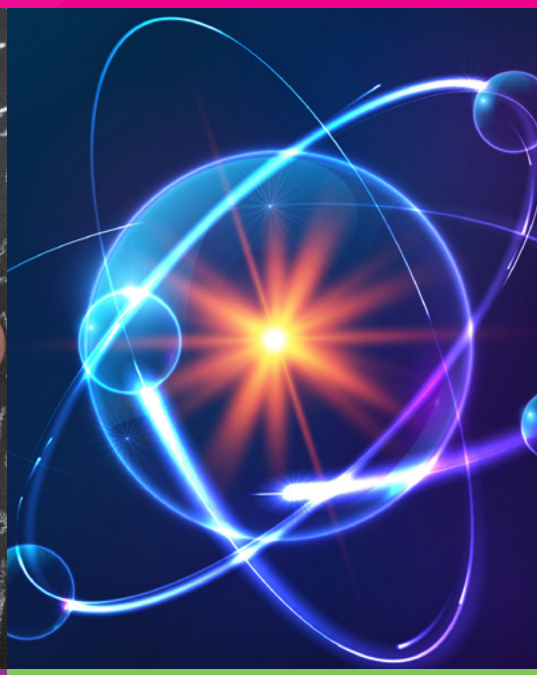
STAR ACADEMIES

GCSE MASTERCLASS SERIES 2024



ENGLISH

MATHEMATICS

SCIENCE

- The GCSE Masterclass Series is aimed at supporting pupils who are striving to secure a Grade 7 or higher in English, mathematics and science.
- The masterclasses are intended to supplement your learning. They do not replace your regular lessons or your personal revision programme. They will help you to secure your understanding of key concepts and skills needed to secure Grade 7 or above.
- You will need to use the worksheets that accompany each masterclass. These will be provided to you by your teacher.

Star

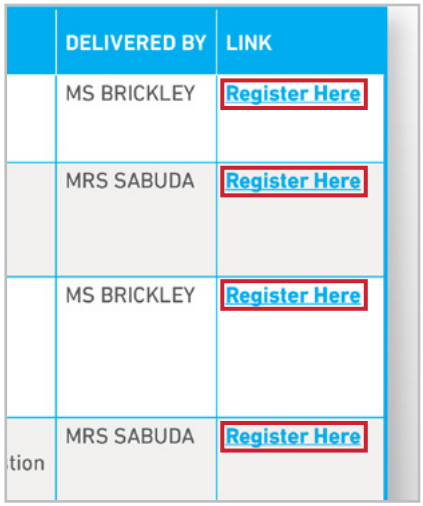
NURTURING TODAY'S **YOUNG PEOPLE**,
INSPIRING TOMORROW'S **LEADERS**

HOW TO JOIN A SESSION

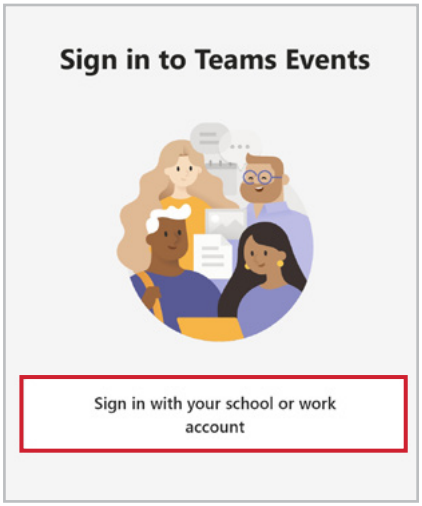
All sessions will be hosted online on MS Teams.

Please join each session using the links provided overleaf and follow the instructions below.

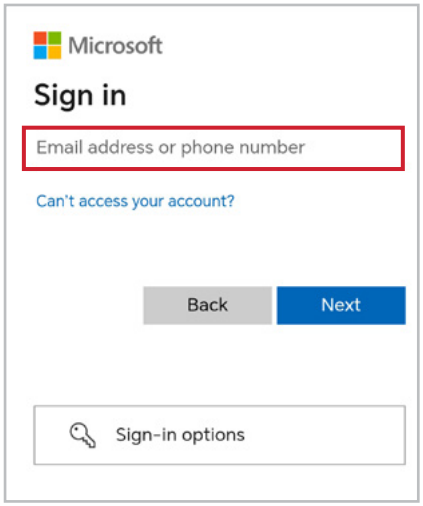
1 Click on the **session link**



2 Click on **Sign into Teams Events** with your **school account**

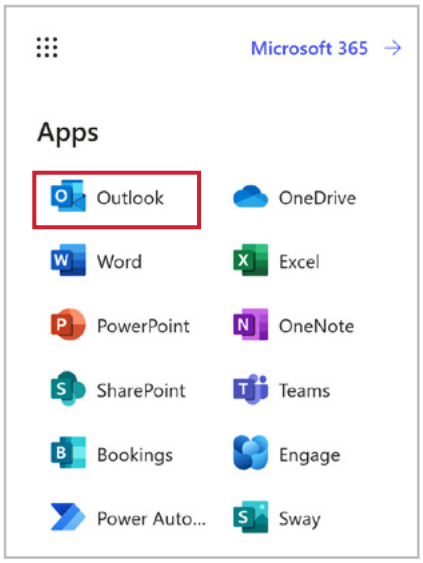


3 Enter your **school email address** and password

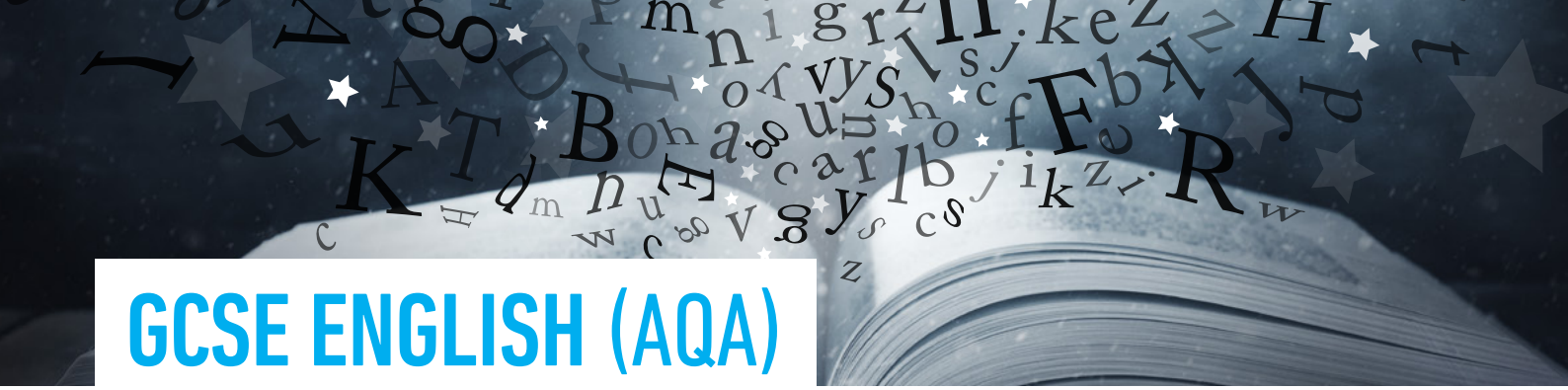


4 Click on **register** and **enter your details**

5 Open the **outlook app** by opening a separate tab

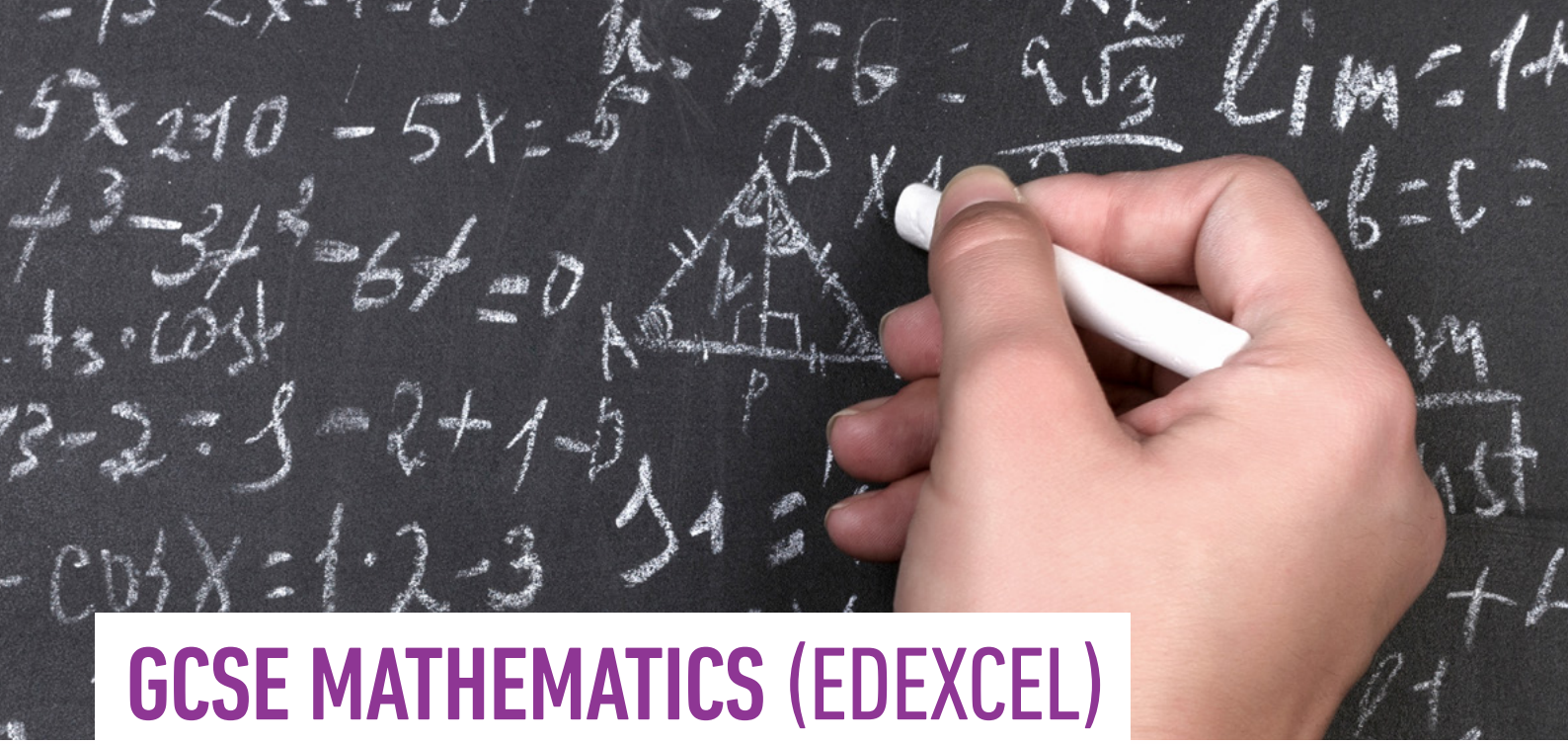


6 **Open emails** and **accept the event invitation**. This will then appear in your calendar. When the **event starts you will join from the calendar invite.**



GCSE ENGLISH (AQA)

WEEK	DATE	TIME	FOCUS	DELIVERED BY	LINK
1	Tuesday 9 January	4:45pm to 6:15pm	**English Literature** (Paper 1 and Paper 2) • Crafting an essay plan • Writer's methods	MS BRICKLEY	Register Here
2	Tuesday 16 January	4:45pm to 6:15pm	**English Literature** (Paper 1 and Paper 2) • The key word in the question – the golden thread of the essay • Writing with a critical tone	MRS SABUDA	Register Here
3	Tuesday 23 January	4:45pm to 6:15pm	**English Language** (Paper 1) • Paper 1 Question 3 – How to approach the structure question • Paper 1 Question 4 – How to respond to a statement	MS BRICKLEY	Register Here
4	Wednesday 31 January	4:45pm to 6:15pm	**English Language** (Paper 1 and 2) • Paper 1 and Paper 2 - How to master Question 4 on both papers	MRS SABUDA	Register Here
5	Tuesday 6 February	4:45pm to 6:15pm	**English Literature** (Paper 1 and Paper 2) • How to write a Grade 9 essay • How to sound like a literary critic	MS BRICKLEY	Register Here
6	Tuesday 13 February	4:45pm to 6:15pm	**English Language** (Paper 2) • Paper 2 Question 5 • Transactional writing • The elements of a Grade 9 opinion piece	MRS SABUDA	Register Here
7	Tuesday 20 February	4:45pm to 6:15pm	**English Literature** (Paper 1 and Paper 2) • How to discuss motifs at Grade 9 • How to use alternative interpretations	MS BRICKLEY	Register Here
8	Tuesday 27 February	4:45pm to 6:15pm	**English Literature** (Paper 1 and Paper 2) • How to use a key argument throughout your entire essay	MS BRICKLEY	Register Here
9	Tuesday 5 March	4:45pm to 6:15pm	**English Literature and Language** (Paper 1 and Paper 2) • Language analysis • How to discuss symbolism in English Literature and English Language	MRS SABUDA	Register Here
10	Tuesday 12 March	4:45pm to 6:15pm	**English Literature** (Paper 1) • What makes a Grade 9 essay? • Why examiners give top marks to a literature response	MRS SABUDA	Register Here
11	Tuesday 19 March	4:45pm to 6:15pm	**English Literature** (Paper 2) • What makes a Grade 9 essay? • Why examiners give top marks to a literature response	MS BRICKLEY	Register Here
12	Wednesday 27 March	4:45pm to 6:15pm	**English Language** (Paper 1) • Paper 1 Question 5 • How to respond to any description or story in the exam	MRS SABUDA	Register Here



GCSE MATHEMATICS (EDEXCEL)

WEEK	DATE	TIME	FOCUS	DELIVERED BY	LINK
1	Thursday 11 January	6:30pm to 8:00pm	Probability and algebra	MISS LAHER	Register Here
2	Thursday 18 January	6:30pm to 8:00pm	Quadratic simultaneous equations	MISS LAHER	Register Here
3	Thursday 25 January	6:30pm to 8:00pm	Congruency and proof	MRS AZEEMAH	Register Here
4	Thursday 1 February	6:30pm to 8:00pm	Equations of circles and tangents	MISS LAHER	Register Here
5	Thursday 8 February	6:30pm to 8:00pm	Vector proof	MRS AZEEMAH	Register Here
6	Thursday 15 February	6:30pm to 8:00pm	Growth and decay problems	MISS LAHER	Register Here
7	Thursday 22 February	6:30pm to 8:00pm	Further trigonometry problems	MISS LAHER	Register Here
8	Thursday 29 February	6:30pm to 8:00pm	Higher level ratio problems and how to gain marks	MISS LAHER	Register Here
9	Thursday 7 March	6:30pm to 8:00pm	Higher level algebra problems and how to gain marks	MISS LAHER	Register Here
10	Thursday 14 March	6:30pm to 8:00pm	Higher level number problems and how to gain marks	MISS LAHER	Register Here
11	Thursday 21 March	6:30pm to 8:00pm	Higher level probability and statistics problems and how to gain marks	MRS AZEEMAH	Register Here
12	Thursday 28 March	6:30pm to 8:00pm	Higher level geometry problems and how to gain marks	MISS LAHER	Register Here

GCSE SCIENCE (EDEXCEL)

WEEK	DATE	TIME	FOCUS	DELIVERED BY	LINK
1	Sunday 14 January	11:00am to 12:30pm	**Biology:** • Enzymes and transport • The nervous system and neurotransmission • Inheritance	MRS AHMED	Register Here
2	Wednesday 17 January	6:30pm to 7:30pm	**Biology: Core practical investigations** • Enzymes and pH and osmosis in potatoes	MS CRUM	Register Here
	Sunday 21 January	11:00am to 12:30pm	**Biology:** • Genetic engineering and selective breeding • Pathogens and spreading pathogens • The immune system	MRS AHMED	Register Here
3	Sunday 28 January	11:00am to 12:30pm	**Chemistry:** • Bonding • Calculations involving masses	MRS AHMED	Register Here
4	Friday 2 February	4:30pm to 5:30pm	**Chemistry: Core practical investigations** • Investigating neutralisation and electrolysis of copper sulphate	MRS ELLSMOOR	Register Here
	Sunday 4 February	11:00am to 12:30pm	**Chemistry:** • Electrolysis • Reversible reactions and dynamic equilibria	MRS AHMED	Register Here
5	Sunday 11 February	11:00am to 12:30pm	**Physics:** • Newton's laws and momentum • Refraction	MRS AHMED	Register Here
6	Friday 16 February	4:30pm to 5:30pm	**Physics: Core practical investigations** • Investigating acceleration and refraction	MRS ELLSMOOR	Register Here
	Sunday 18 February	11:00am to 12:30pm	**Physics:** • Electromagnetic spectrum, uses and dangers • Types of radiation, radioactive decay, half-life	MRS AHMED	Register Here
7	Sunday 25 February	11:00am to 12:30pm	**Biology:** • Transpiration and translocation • Menstrual cycle • Blood glucose and diabetes	MRS AHMED	Register Here
8	Wednesday 28 February	6:30pm to 7:30pm	**Biology: Core practical investigations** • Investigating photosynthesis and respiration rates	MS CRUM	Register Here
	Sunday 3 March	11:00am to 12:30pm	**Biology:** • Heart and cellular respiration • Relationships • Nitrogen cycle	MRS AHMED	Register Here
9	Sunday 10 March	11:00am to 12:30pm	**Chemistry:** • Halogen reactivity • Energy changes in reactions – exothermic and endothermic	MRS AHMED	Register Here
10	Wednesday 13 March	6:30pm to 7:30pm	**Chemistry: Core practical investigations** • Investigating reaction rates	MS CRUM	Register Here
	Sunday 17 March	11:00am to 12:30pm	**Chemistry:** • Alkanes and breaking down hydrocarbons • Changing atmosphere	MRS AHMED	Register Here
11	Friday 22 March	4:30pm to 5:30pm	**Physics: Core practical investigations** • Investigating resistance, density and springs	MRS ELLSMOOR	Register Here
	Sunday 24 March	11:00am to 12:30pm	**Physics:** • Vector diagrams • Electricity – VIR and calculations and circuits	MRS AHMED	Register Here
12	Sunday 31 March	11:00am to 12:30pm	**Physics:** • Motor effect and electromagnetism • Transformers • Specific heat capacity and latent heat	MRS AHMED	Register Here