



# SCGSG Year 13 Information Evening

Thursday 25<sup>th</sup> September 2025



# Outline of the Evening

- Welcome
- The Sixth Form Offering
- Head of Year 13
- Post-18 Applications
- School Systems
- School Charity and Parents' Association



# Year 13 Key Staff

- Mr Swanston – Head of Sixth Form
- Miss Bailey - Head of Year

Tutors:

Mrs Holden	13JUH	(E1)
Mr Hughes	13PHU	(E2)
Mrs Manning	13JMA	(E3)
Mrs Trotter	13RTR	(E4)
Mrs Alderson	13SAL	(E5)
Mr Gilbert	13JGI	(E6)

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More information on our GCSE and A-Level c

[Art and Design](#)[Biology](#)[Chemistry](#)[Computer Science](#)[Drama](#)[English](#)[French](#)[Geography](#)[Mathematics](#)[Further Maths](#)[Media Studies](#)[Music](#)[Physics](#)[Physical Education](#)[Year 7-9 Curriculum](#)[SCGSG Curriculum \(Years 10-13\)](#)[Super-curricular](#)[Extra-curricular Opportunities](#)[Music Education](#)[Careers](#)[Personal Development](#)[SCGSG Library](#)[House System](#)[Duke of Edinburgh's Award](#)[School Examinations](#)[Remote Education](#)

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## Progress Statements

Please find below the progress statements for Chemistry:

Year 10 Chemistry Progress Statements

PDF file

Download ↓

Year 11 Chemistry Progress Statements

PDF file

Download ↓

Year 12 Chemistry Progress Statements

PDF file

Download ↓

Year 13 Chemistry Progress Statements

PDF file

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## CHEMISTRY

at SCGSG

### What you can expect from our Chemistry Department?

- Subject specialist and highly experienced staff
- Access to a large variety of resources
- Newly refurbished laboratories
- Comprehensive help and support throughout the course
- Lectures & workshops
- Careers advice

### What can I do with A-Level Chemistry?

This is one of the first things we ask you to look at when you start the course but here are a few ideas:

Business Management, Chemical Engineering, Dentistry, Environmental Protection and Recycling, Medicine, Medicinal Research, Pharmacy, Veterinary Science.

### Introducing the Department:

We are fortunate to have a large department of experienced A-Level Chemistry teachers and a dedicated chemistry technician who will be pleased to help you throughout the course.

Ms Duley, Ms Boyle, Mr Mariner, Mrs Neal, Mrs Chatterton, Mr Davis, Mrs Trotter and Mrs Richards, our Chemistry Technician.



The Year 12 content consists of the following areas including practical tasks:

- Atomic and electron structure
- Bonding, structure & the periodic table
- Division of substance calculations
- Introduction to organic chemistry and hydrocarbons
- Alcohols, halogenoalkanes and analysis
- Rates, equilibria & solubility

The Year 13 content consists of the following areas including practical tasks:

- Buffers, acids and amines
- Polymers and synthesis
- Analysis
- Rates, equilibrium and pH
- Enthalpy & entropy
- Transition elements



AQA Chemistry	Working towards expected outcomes Your child is not yet making the expected progress within this course.	Working at expected outcomes Your child is achieving the expected progress for this point within the course.	Working beyond expected outcomes Your child is exceeding the expected progress.
Year 12	Students working towards expected outcomes in Year 12 can:	Students working at expected in Year 12 can:	Students working beyond expected in Year 12 can:
Autumn 1			
Atomic Structure & Periodicity	<p>Students are beginning to grasp foundational ideas but require support to apply them confidently.</p> <ul style="list-style-type: none"> <li>Recall relative charges and masses of subatomic particles.</li> <li>Describe atomic structure in terms of nucleus and electrons.</li> <li>Define mass number, atomic number, and isotopes.</li> <li>Identify number of subatomic particles in atoms and simple ions.</li> <li>Describe the purpose of mass spectrometry.</li> <li>Write electron configurations up to calcium (<math>Z = 20</math>).</li> <li>Define and write equations for first ionisation energy.</li> </ul>	<p>Students can apply their knowledge and ability to solve standard problems and interpret familiar data.</p> <ul style="list-style-type: none"> <li>Use atomic and mass numbers to determine subatomic particles in atoms and ions.</li> <li>Explain factors on atomic and calculate relative atomic mass from abundance data.</li> <li>Interpret simple mass spectra to identify isotopes and relative abundances.</li> <li>Explain how TCF mass spectrometry identifies elements and molecular masses.</li> <li>Write full electron configurations for atoms and ions up to <math>Z = 28</math>.</li> <li>Write equations for successive ionisation energies.</li> <li>Use ionisation energy trends in Period 3 and Group 2 to explain a common shell and sub-shell structure.</li> </ul>	<p>Students demonstrate a deeper understanding and can apply their knowledge in unfamiliar or more complex contexts.</p> <ul style="list-style-type: none"> <li>Evaluate isotopic effects on chemical physics of properties and atomic mass.</li> <li>Explain how TCF mass spectrometry identifies elements and molecular masses.</li> <li>Analyse complex mass spectra, including fragmentation and isotopic patterns.</li> <li>Explain ionisation energy trends in terms of nuclear charge, electron shielding, and sub-shell structure.</li> <li>Predict electron configuration anomalies using orbital energy levels (e.g., <math>3d</math> vs <math>4s</math>).</li> <li>Critically assess how experimental evidence led to current atomic models.</li> </ul>





# Super-curricular

Our vision for all students is to have a love of learning, a positive, independent and resilient approach and, at Sutton Girls, our super curriculum is all about going beyond the classroom. It provides our students with opportunities beyond homework and what they have learnt.

These experiences will build on their thirst for knowledge and a love of learning. They will extend and deepen their subject knowledge through organised events such as talks, podcasts, books, lectures, reading and academic competitions. All students are encouraged to engage in super-curricular opportunities throughout their time with us, as we strive for all students to be aspirational, prepared for their future in the wider world and continue their learning throughout their life's journey.

Please click the tabs below to see the opportunities we offer in a range of subjects:

<b>Art &amp; Textiles</b>	<b>Biology</b>	<b>Business Studies</b>
<b>Chemistry</b>	<b>Design</b>	<b>Drama</b>



## Art / Art Textiles

Supercurricular opportunities

### DISCOVER! Creative Careers Week



[discovercreativecareers.com](https://discovercreativecareers.com)

Find your perfect role in the creative industries - Creative Careers

Interested in a career in the creative industries? Find out about the range of roles, the prospect of work and where to go for further information.

### Embroidery Stitch Library

penguin & fish 

[penguinandfish.com](https://penguinandfish.com)

Embroidery Stitch Library

### Articulation Challenge KS4



Discover Articulation Challenge | Arts and Humanities Outreach Team

the Discover Articulation Challenge is an annual competition dedicated to engaging Key Stage 4 students with art and developing their confidence and ability to express their opinions, thoughts and ideas

### Articulation Challenge KS5



[nationalgallery.org.uk](https://nationalgallery.org.uk)

Articulation

### mr x stitch - Embroidery and Textiles Inspiration



### Textile Artist Website



### What's on @ Wolverhampton Art Gallery



### What's on : IKON gallery

# IKON





# Super-Curricular

- Wider reading (books, magazines, online articles)
- Podcasts
- Online lectures & talks
- MOOCs
- Webinars
- Work experience

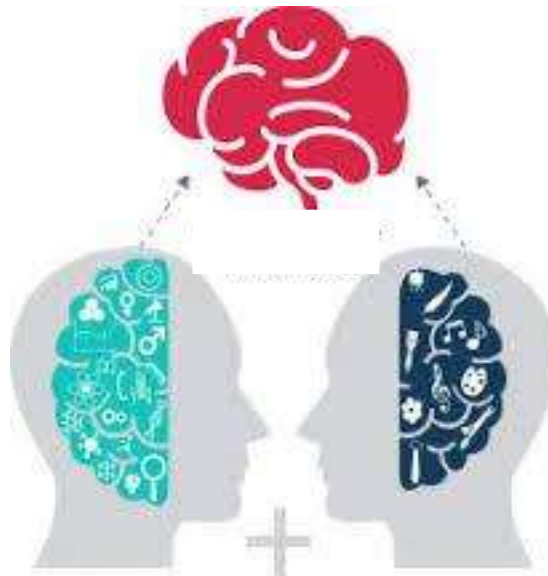




# Cognitive and non-cognitive skills

## Cognitive:

- Thinking
- Reasoning
- Acquiring knowledge
- Remembering information
- Solving problems



## Non-cognitive:

- Perseverance
- Conscientiousness
- Drive
- Resilience
- Self-control





“Unlike traditional academic support that focuses solely on subject knowledge, **VESPA addresses the underlying behaviours and mindsets that enable students to learn effectively**. Our evidence-based approach has been proven to close achievement gaps and transform educational outcomes across diverse settings.” **Steve Oaks and Martin Griffin.**



# The VESPA mentoring programme



- **Targeted, short-burst mentoring, available to all students in Y13 to support A level study.**
- Provide a structured framework designed to develop non-cognitive skills to support cognitive development, focused on:
  - Goal setting
  - Proactive study habits
  - Organisation
  - Deliberate skill development
  - Fostering a growth mindset



# The VESPA mentoring programme



- One-to-one
- 6-week, short-burst mentoring
- 1 x 20-minute mentoring session per week
- Allocated mentor(s)
- Individualised support
- Regular goal setting and review





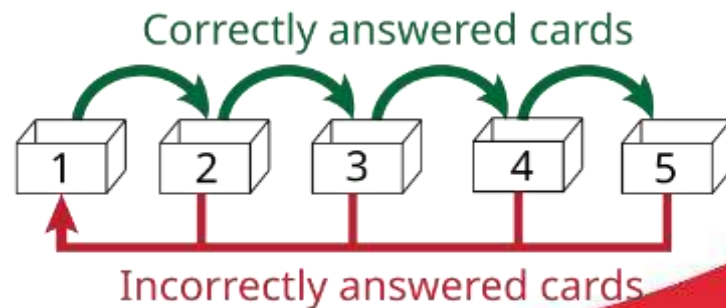
# Head of Year: Miss Bailey



# Clear expectations and systems for success

Attendance Punctuality Dress Code Independent study

- Revision activities to include content, skills and feedback e.g. flashcards and mindmaps, past paper questions, handing in answers/reviewing model answers.
- Spaced repetition and interleaving topics
- Timed practice questions
- Regular assessment checks, including class tests/essay practice and mock exams



# Maintaining balance



Time	Monday	Tuesday	Wednesday	Thursday	Friday
Before School	Choir Club 8.15-9.15am	Chess Club 8.15-9.15am	Robotics Club 8.15-9.15am	Chess Club 8.15-9.15am	Chess Club 8.15-9.15am
Lunch Time Close 12.45pm	Reading Club 12.45-1.15pm	Reading Club 12.45-1.15pm	Reading Club 12.45-1.15pm	Reading Club 12.45-1.15pm	Reading Club 12.45-1.15pm
	Chess Club 1.15-2.15pm	Chess Club 1.15-2.15pm	Chess Club 1.15-2.15pm	Chess Club 1.15-2.15pm	Chess Club 1.15-2.15pm
	Reading Club 2.15-3.15pm	Reading Club 2.15-3.15pm	Reading Club 2.15-3.15pm	Reading Club 2.15-3.15pm	Reading Club 2.15-3.15pm
	Chess Club 3.15-4.15pm	Chess Club 3.15-4.15pm	Chess Club 3.15-4.15pm	Chess Club 3.15-4.15pm	Chess Club 3.15-4.15pm
	Reading Club 4.15-5.15pm	Reading Club 4.15-5.15pm	Reading Club 4.15-5.15pm	Reading Club 4.15-5.15pm	Reading Club 4.15-5.15pm
	Chess Club 5.15-6.15pm	Chess Club 5.15-6.15pm	Chess Club 5.15-6.15pm	Chess Club 5.15-6.15pm	Chess Club 5.15-6.15pm
	Reading Club 6.15-7.15pm	Reading Club 6.15-7.15pm	Reading Club 6.15-7.15pm	Reading Club 6.15-7.15pm	Reading Club 6.15-7.15pm
	Chess Club 7.15-8.15pm	Chess Club 7.15-8.15pm	Chess Club 7.15-8.15pm	Chess Club 7.15-8.15pm	Chess Club 7.15-8.15pm
	Reading Club 8.15-9.15pm	Reading Club 8.15-9.15pm	Reading Club 8.15-9.15pm	Reading Club 8.15-9.15pm	Reading Club 8.15-9.15pm
	Chess Club 9.15-10.15pm	Chess Club 9.15-10.15pm	Chess Club 9.15-10.15pm	Chess Club 9.15-10.15pm	Chess Club 9.15-10.15pm
After School	Chess Club 10.15-11.15pm	Chess Club 10.15-11.15pm	Chess Club 10.15-11.15pm	Chess Club 10.15-11.15pm	Chess Club 10.15-11.15pm



Reading around the subject



Research

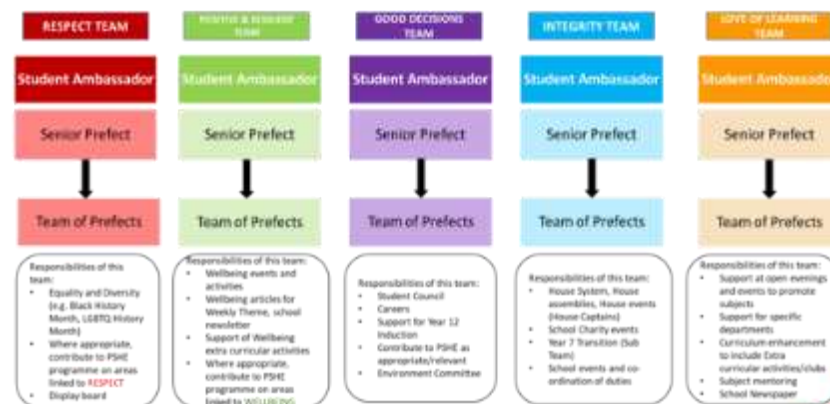


Visit a place of interest



Create

## WORK EXPERIENCE





# Making the most of opportunities and support

- Post 18 support
- Pastoral support
- Careers advice
- Leadership development
- Communication & Interview skills

## Application deadlines

- 29th September: Early entry application deadline
- 8th December: All UK University application deadline

Apprenticeships & Applications abroad



# Exploring life after school

## Key information

- Internal deadline for applications: Monday 29th September/Monday 8th December
- Students will have booked any admissions tests (Oxbridge) or completed their UCAT (MD)

## In-school support

- Personal statement support (supervisors, LHB, Meducators)
- Individual mentoring re university choices
- Departmental support for admissions tests
- Support with written work submissions
- Lunchtime sessions on aspects of the application process (MMI stations, the Oxbridge interview process etc.)
- Mock interviews (Oxbridge and MMI)





# Fostering character and readiness for life beyond school

## SIXTH FORM OPPORTUNITIES

### Square Peg Activities

Square Peg Activities is based in Sutton, Colford, Dorset, and is an inclusive play space for disabled children and their families.

Square Peg are seeking term time and holiday play worker volunteers to join their team.

[Learn more](#)

### Virtual Work Experience and Exploring the Veterinary Profession

On this course, you'll get insight into the reality of life as a vet so that you can make an informed decision before embarking on a veterinary degree course.

[Introduction to Sustaine Veterinary Medicine - Course - 15/06/2020](#)

### The Sociology of Friendship

Join this webinar from the University of Westminster to find out about the latest sociological research on friendship and hear from a current student about what it's like to study Sociology at Westminster.

[Sign up to the webinar](#)

### Wealth Management Careers & Opportunities

Barracuda is a UK wealth management company providing financial services, investment strategies and guidance to private clients, businesses and charitable organisations. If you're interested in learning more about what wealth management consists of, join their Virtual Insight Day on 20th July 2020!

### Financial Services Work Experience Day - 8th August

If you have an interest in Business, Economics, Maths or the financial world of work in general, you can sign up to take part in RBC Bank's Dolphin Tree Work Experience Day.

[Book your place to get involved or learn more](#)

### Unlocking the World of Laboratory Medicine - My Career in STEM

Don't miss the opportunity to hear from Professor David Watt, Visiting Professor of Biotechnology, who develops life-saving medicines. Learn about the workings of laboratory medicine and discover how his innovations have been crucial in helping people live healthier lives.

[Register for the knowledge!](#)

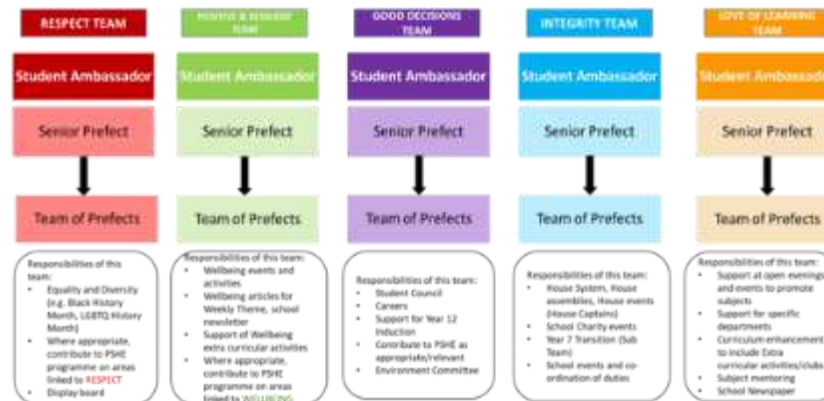
### University Open Day Calendar

Browse this university and college open day calendar to find an institution you are interested in.

Shared each Friday on Teams, on the bulletin and on the weekly notices



## WORK EXPERIENCE





# Year 13 Key Dates

- **4th November:** Parents evening (in person)
- **19th November – 5th December:** Mock examinations
- **12th May – 24th June:** A Level exam season
- **2nd July:** Provisional prom date

## Post 18 Dates & Deadlines

- **29th September:** Internal early entry application deadline
- **2nd October:** UCAS conservatoire deadline
- **15th October:** UCAS early entry deadline
- **8th December:** Internal UK university application deadline
- **14th January:** UCAS UK university application deadline
- **Approx March** – Student finance applications open
- **Approx June** – Offer response deadline

Apprenticeships & Applications abroad



# School Systems: Mr Eaton

# Attendance





# Minister warns parents on school attendance ahead of new term



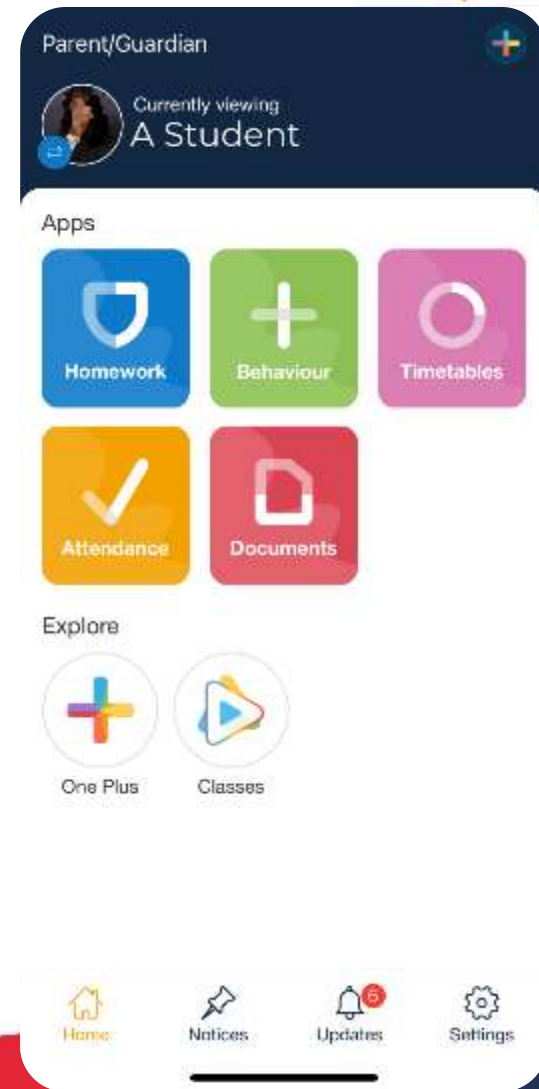
Bridget Phillipson told the BBC that the start of the year was a crucial time for pupils and parents



# Satchel:One



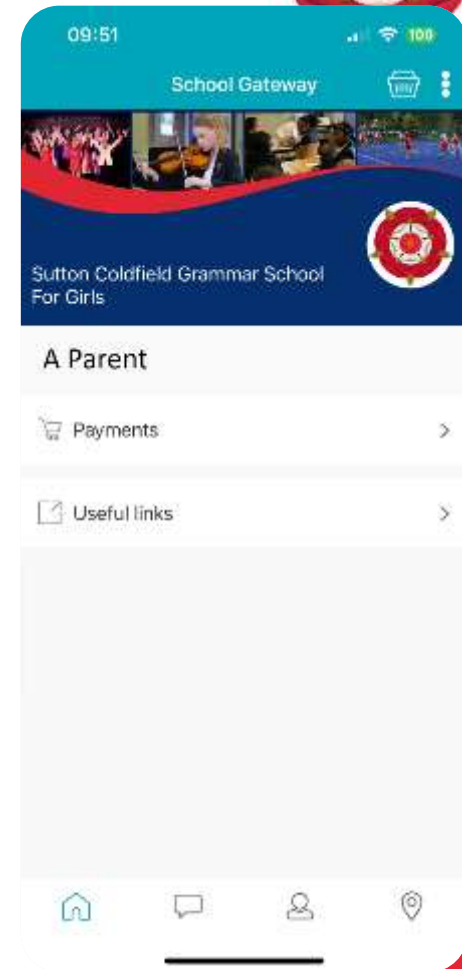
- **Your** access to see information about your child at school.
  - Timetable
  - Homework
  - Character Points/Behaviour
  - Attendance
  - Progress Reports
- Sign up using the information in your pack.
  - “Parent code” is unique to your child
  - Please set up your parent account
- We monitor engagement throughout the year



# School Gateway



- Thank you for supporting the move across to the new system
- Payments for lunches, trips, etc. via the app.
  - More efficient communications link
  - Builds a timeline of communication



# Satchel:One



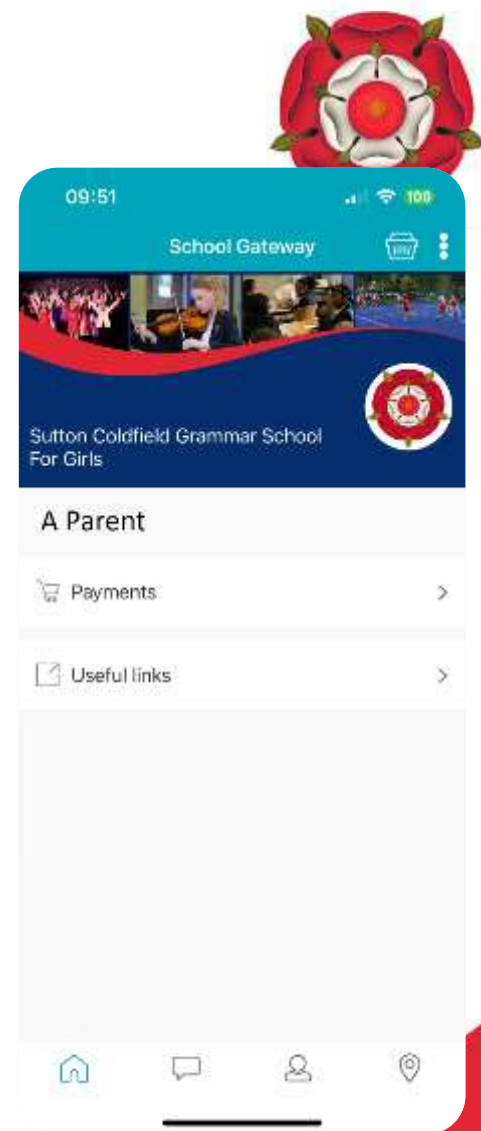
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  - Attendance
  - Progress Reports
- Sign up using the information in your pack.
  - “Parent code” is unique to your child



# School Gateway



- You must have **registered for an account by Monday 30<sup>th</sup> September.**
  - Information within your pack
- You will receive communications from school via the App.
- Payments for lunches, trips, etc. via the app.
  - Existing account balances will be automatically transferred
  - Lunch purchases visible within the app





# Opportunities to engage with SCGSG community





## The Sutton Coldfield Grammar School for Girls Charity

The Charity is mainly funded from parental donations and plays a key role in improving the student experience

In the last 12 months The Charity has donated £25k to the School. Items funded include:

- New School Minibus
- Wall Art to celebrate school values
- New equipment for Creative Subjects
- Extra-Curricular Trips





## How can parents/carers help?

- Sign up for regular monthly donations to the School fund via our donation page using the link via the website below or QR Code below

[www.suttcold.bham.sch.uk/schoolcharity](http://www.suttcold.bham.sch.uk/schoolcharity)

- Share your expertise with us
- Offer company sponsorship



For more details, please contact the Finance and Operations Director: [finance@suttcold.bham.sch.uk](mailto:finance@suttcold.bham.sch.uk)



## Help Your Parents Association

The Parents Association is always in need of Volunteers to help support school events and fundraise

If you would like to help please contact us via the following links:

Email: [pa@suttcold.bham.sch.uk](mailto:pa@suttcold.bham.sch.uk)

Or via the QR Link below



## Forthcoming Events

- **NEXT EVENT – YEAR 7 FILM NIGHT**
- **HOW TO TRAIN YOUR DRAGON**
- **QUIZ NIGHT – FRIDAY 17TH OCTOBER**
- **CHRISTMAS FAYRE FRIDAY 5TH DECEMBER**
- **PLUS MORE TO BE ANNOUNCED LATER IN THE YEAR**





# Things to do

- Check data sheet and return before you leave
  - Priority 1 & 2 contact details
- Set up Satchel:One accounts
- Set up School Gateway (Live from Sept 30<sup>th</sup>)

Mrs Holden	13JUH	(E1)
Mr Hughes	13PHU	(E2)
Mrs Manning	13JMA	(E3)
Mrs Trotter	13RTR	(E4)
Mrs Alderson	13SAL	(E5)
Mr Gilbert	13JGI	(E6)

**THANK YOU!**