



## WEEKLY OPPORTUNITIES NEWSLETTER

YEAR 11

w/c 20th February 2023



Dear Student/Parent/Carer,  
**Recording interactions on Unifrog**

Could you let Mrs Farmer know if you take part in any virtual or in person opportunities advertised in this Newsletter please? It is important that young people keep an electronic record of all the interactions you have with Further Education, Higher Education and employers. Please email [ffarmer@toothillschool.co.uk](mailto:ffarmer@toothillschool.co.uk) with the date of the activity and the name of the activity.

Enjoy

The Toot Hill Careers Team

Use the Contents section to skip to the information relevant for you. You can use the 'Back to Top' button to get back to this Contents section.

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## Career Of The Week

### Electronics engineer



#### What you'll do

You could research, design and develop electronic components and equipment in a range of industries, for example:

- telecommunications – mobile phones, radio, TV and satellite communications
- data communications – PCs, tablets and cashpoints
- scientific research – acoustics, optics, physics and nanotechnology
- medical instruments – clinical and laboratory equipment
- defence – communications, navigation and weapons systems
- aerospace – avionics, radar, navigation and communication systems
- manufacturing – programmable logic controls (PLCs) and industrial machinery

Your day-to-day duties will include:

- assessing new developments or innovations
- preparing technical plans using computer-aided engineering and design software
- estimating manufacturing and labour costs, and project timescales
- co-ordinating the work of technicians and craftspeople
- testing prototypes and analysing data
- making sure projects meet safety regulations
- planning and overseeing inspection and maintenance

You'll often work on a project with a team of engineers, technicians and IT staff. You'll follow electrical health and safety regulations.

Record relevant activities you've already done on the [Activities tool](#)

### **Working hours and environment**

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You'll usually work around 40 hours a week. You may work longer to meet project deadlines.

You'll usually work in an office or a lab. You may work in factories, workshops or outdoors.

### **Career path and progression**

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With incorporated or chartered engineer status you could:

- move into project management roles
- specialise in research, such as telecommunications, robotics or semiconductors
- work as an engineering consultant

You could also move into patent law.

### **Skills required**

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You'll need:

- maths skills
- IT skills to use computer-aided design software
- the ability to analyse problems
- organisational skills
- budgeting skills

Got evidence of these skills? Record your examples on the [Skills tool](#)

### **Entry requirements**

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You'll usually need a foundation degree, HND or degree in electronic or electrical engineering, or engineering technology.

Employers may accept qualifications in related subjects like physics, maths or computer science. See the [Institution of Engineering and Technology \(IET\)](#) for courses.

You could get into this job through an [apprenticeship](#).

#### Related Know-how guides

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Explore Know-how guides related to this career:

- [Get on the ladder: engineering](#)
- [Career specialisms: engineering](#)

#### Related university subject profiles

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These university subjects are related to this career; check out their profiles on the Subjects library:

- [Electronic and Electrical engineering](#)
- [General engineering](#)
- [Physics](#)

#### Related career profiles

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You may also be interested in:

- [Materials engineer](#)
- [Electrical engineer](#)
- [Aerospace engineer](#)
- [Broadcast engineer](#)

#### Explore

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Want to see what relevant education and training opportunities are available right now? Search here:

#### Electronic and Electrical engineering at uni:

[USA](#) [UK](#) [Canada](#) [Europe](#) [Asia](#) [Australasia](#) [Ireland](#)

#### General engineering at uni:

[USA](#) [UK](#) [Canada](#) [Europe](#) [Asia](#) [Australasia](#) [Ireland](#)

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### Physics at uni:

[USA](#) [UK](#) [Canada](#) [Europe](#) [Asia](#) [Australasia](#) [Ireland](#)

### Apprenticeships:

[UK](#)

### College / Sixth Form:

[UK](#)

## Labour Market Information (LMI)

### UK Current Jobs

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#### Engineering professionals (SOC3)

UK jobs: 383,043

Nottinghamshire jobs: 5,727 (15th of 214 UK LEAs)

Top 5 LEAs: Hampshire (11,941), Lancashire (9,111), Essex (8,415), Surrey (8,334), Hertfordshire (8,186)

### UK Salary

#### Electronics engineers (SOC4)

UK annual median: £49,087

#### Engineering professionals (SOC3)

UK annual median: £43,829

East Midlands annual median: £40,796

Top 3 regions: London (£48,464), Scotland (£46,458), East of England (£45,443)

### UK Prospects

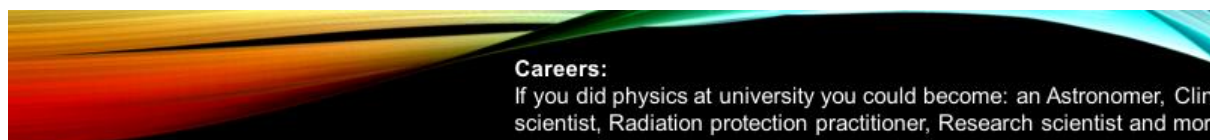
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#### Science, research, engineering and technology professionals (SOC2)

UK growth: +9.1% from 2017 to 2027, creating 159,466 jobs

East Midlands growth: +10.7% from 2017 to 2027, creating 12,438 jobs

## Subject of the week



**Careers:**  
If you did physics at university you could become: an Astronomer, Clinical scientist, Radiation protection practitioner, Research scientist and more.


# PHYSICS

**Interesting Facts**

Time goes faster at the top of the building than at the bottom. According to Einstein's theory of Relativity, the farther an object is from the Earth's surface, the faster time passes.

You can't sink in the Dead Sea. The Dead Sea has a very high density because of its salt content, which would make it impossible for you to sink.

**Exams:** physics is 100% examination, 3 exams with a mix of multiple choice, written and practical questions.



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**Higher and degree apprenticeships- latest vacancies; Sites for students to search opportunities; medical degree apprenticeships; changes to UCAS regarding apprenticeships from September 2023.**

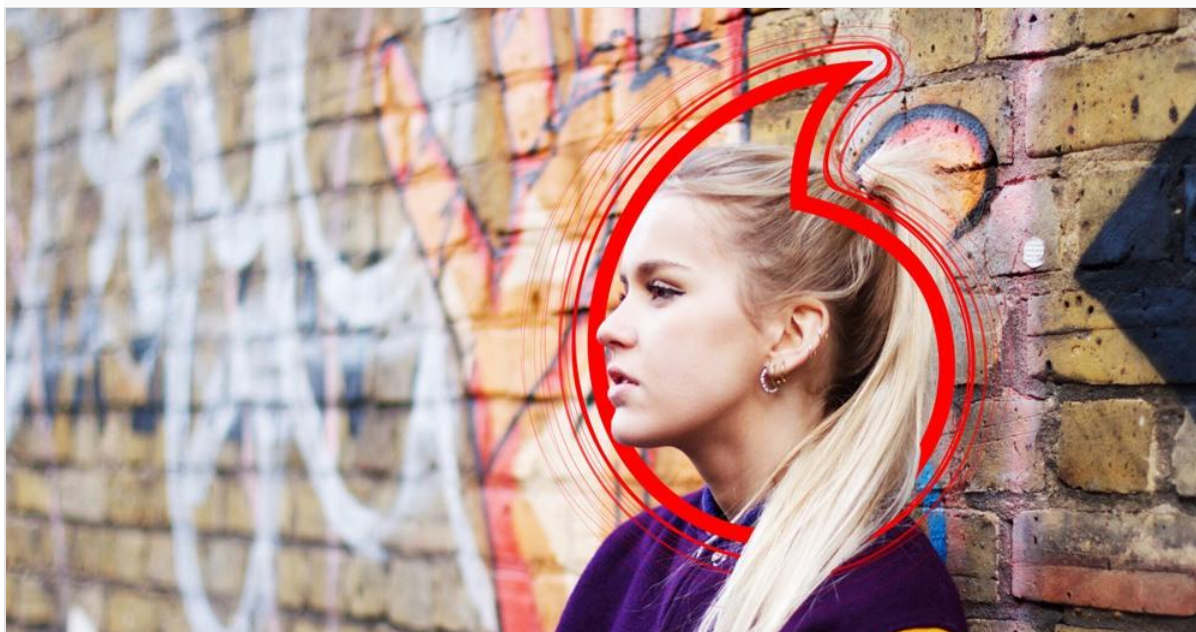
[S:\Attachments\Apprenticeships boosted under plans to broaden UCAS.docx](#)

[S:\Attachments\Finding apprenticeships including higher apprenticeships.docx](#)

[S:\Attachments\Higher-Degree-Listing-FEB-2023.pdf](#)

[S:\Attachments\Parent-Pack-February-2020 apprenticeships.pdf](#)

## Vodafone Apprenticeships



### **Vodafone is creating the future – here and now.**

An Apprenticeship with us is your chance to make an impact in your career and the world. Hands on-experience. Learn from experts. Earn a salary and a degree. All at once. Next up, an Apprenticeship with Vodafone that can give you all of this, and more.

Apprenticeships aren't what they used to be. You could have entry-level qualifications, or you might be interested in Advanced, Higher, or Degree level Apprenticeships.

Whatever your plans, an Apprenticeship at Vodafone is your ideal next step. You'll be trusted with exciting projects from day one, where you can learn, and make a genuine difference, all while being in an environment that empowers you and your development.

**You'll find it all, exclusive to Vodafone Apprenticeships.**

[Apply Now](#)

Did you miss the new Met Police apprenticeship film and webinar?



## Apprenticeships with the Met Police

Become a Police Constable through the Metropolitan Police Apprenticeship Programme





Amazing Apprenticeships has launched a series of **new and exciting resources** showcasing the brilliant police constable apprenticeship opportunities available with the Metropolitan Police.

As one of the UK's biggest police services, the Met are looking for individuals with the right values and who want to make a positive difference to join as a Police Constable through its exciting apprenticeship programme. Working with the Met is a rewarding career like no other.

Those who join the Met's Police Constable Apprenticeship Programme will:

- Make a real difference to the lives of people every day
- Be a paid police officer from day one with a full range of support
- Earn a starting salary of c.£33,500 with generous allowances
- Gain a fully funded BSc (Hons) Degree in Professional Policing on completion of the 3 year apprenticeship programme
- Have a range of opportunities open to them to progress their career in exciting roles that are hugely varied day to day

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## **Check out the resources...**

### **A new film**

Watch our inspirational 5-minute film to learn about the experiences of Police Constables, Akeem, Olivia and Gagandeep.



[WATCH NOW](#)

**Join our webinar to find out more**

Join the Metropolitan Police on **Tuesday 21st March** between **3.00pm - 4.00pm** to find out more about the Police Constable Degree Apprenticeship (PCDA). Suitable for students, teachers/careers advisers and parents/carers.



[REGISTER FOR OUR WEBINAR](#)

## Find out more...

### Visit our website

Keep up to date with the latest information regarding the Police Constable Degree Apprenticeship and other gateway programmes into the Met by visiting our website. Here you can access the links to our upcoming webinar, find resources and information about the degree apprenticeship programme and hear from other apprentices about their experiences.

[VISIT THE WEBSITE](#)

## DIGIDATA - SHELL LIVE EVENT

We have created a marketing packs that contain a number of promotional assets for you to use both off and online for the live online career challenge event.

**Tuesday 28th February at 5pm - Next Step** [Shell live online career challenge](#)

**Where should Shell build their next electric hub to ensure they hit their clean energy target for 2030?**

[Register to attend](#)

**Thursday 2nd March at 6.30pm -** [Shell live online career panel](#)

**We invite students, teachers, parents and career leaders to discover more about their career opportunities**

## Fast Track Your Students To Employment With Bellway Homes

### GIVE YOUR STUDENTS A HEAD START!

We've just launched Bellway's Career Readiness Programme and it's available to your students at [toothillschool.co.uk](http://toothillschool.co.uk). The best part is that it's FREE but for a limited time only.

### BELLWAY'S APPRENTICESHIP PROGRAMME

Bellway is committed to investing in its people and offering rewarding careers, with opportunities for progression, and wherever possible they try to develop and promote from within the company.

They are currently on the hunt for new talent to join their apprenticeship programme. Give your students the best chance possible to get a job with them by entering them into their Careers Readiness Programme.

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### GET STARTED NOW

Don't let your students miss out on this opportunity as it will be closing on the 28th of February. All you need to do is share the link below:

COPY & SHARE link [⇒ ⇒ https://go.shortlister.com/j/bbac9](https://go.shortlister.com/j/bbac9)

### WHAT HAPPENS AFTER THE PROGRAMME IS COMPLETE?

After completing the programme, your students will be better prepared and confident enough to make a decision on whether they would like a future at [Bellway's Apprenticeship Programme](#).

The vacancies are live now and the application deadline is Sunday 19<sup>th</sup> March.

Give your students a chance to try before they apply and have the best chance possible to secure a role at Bellway.

## **EXCITING NEWS - MEDICAL DEGREE APPRENTICESHIPS- COMING SOON**

From September 2023 200 apprenticeships are being launched for medical degrees. Details are in the article below.

[New Medical Doctor Degree Apprenticeship launched, delivering a more representative workforce for local communities | Health Education England \(hee.nhs.uk\)](https://www.hee.nhs.uk/news/new-medical-doctor-degree-apprenticeship-launched-delivering-a-more-representative-workforce-for-local-communities/2023-02-23)

## **ARE YOU INTERESTED IN STUDYING MEDICINE - USEFUL RESOURCES**

Please see below a few new topics for your aspiring medics.

Article 1 - [How to Write a Student CV](#)

Article 2 - [Data Interpretation - Medical School Interviews](#)

Article 3 - [How to Reflect on Work Experience Correctly](#)

## **NOTTINGHAMSHIRE POLICE - IT APPRENTICESHIP**

### **THIS IS A GREAT OPPORTUNITY FOR YEAR 11 AND 13 STUDENTS**

Please see below the link for the Nottinghamshire Police IT Apprenticeship that is live now-

Job title : IS Engineer Apprentice

Job reference : REQ000235

Application closing date : 24/02/2023

Location : Force HQ

Salary : \*GBP\*18,501 to \*GBP\*21,837 per annum (pro rata if part time)

To view job details or apply on-line [click here](#)

To search for other Police jobs [click here](#)

## Apply for an apprenticeship with Volkswagen Group



### **A Volkswagen Group apprenticeship could be the perfect first step...**

There are a variety of options available to your child after completing their GCSE (or equivalent) qualifications. A Volkswagen Group apprenticeship could be a great way to establish a career in the automotive industry.

The Volkswagen Group apprenticeship programme offers your child the opportunity to learn and earn through gaining a nationally recognised qualification while working full-time for one of the world's leading automotive brands in one of their state-of-the-art retailers.

[Find out more and apply](#)

All apprentices are employed full-time in a retailer and will receive a combination of on-the-job and off-the-job training. On-the-job training will include having an experienced mentor who will provide help and support with work done in the retailer. In terms of off-the-job training, apprentices will have a mixture of face-to-face classroom-based training in our excellent academy facility and online training through virtual classrooms.

Our former apprentice Natalie shares her [experience of the apprenticeship programme](#) and what it was like for her to become one of the first apprentices to achieve a distinction. Watch her video [here](#).



There are several apprenticeship opportunities available within the Volkswagen Group apprenticeship programme. The apprenticeships are located in our retailers all across the UK.

For the [Audi](#), [SEAT](#), [ŠKODA](#), [Volkswagen](#) and [Volkswagen Commercial Vehicles](#) brands, there are roles available for:

- Service Technician
- Service Advisor
- Parts Advisor

For the [Volkswagen Group Paint and Body](#) brand, there are roles such as:

- Paint Technician
- Vehicle Body Repair Technician
- Mechanical, Electrical and Trim (MET) Technician

For the [TPS](#) brand, we offer Parts Sales Executive apprenticeship roles.

### **How can I find out more and apply?**

To find out more about the Volkswagen Group apprenticeship programme and to apply, please visit our website: [www.vwgroupapprenticeships.co.uk](http://www.vwgroupapprenticeships.co.uk)

[Find out more and apply](#)

## Confetti Schools Update - February 2023



PART OF



Nottingham Trent  
University



As we get further into 2023, our courses starting in September are filling up! If any of your students are interested in studying with us this year, but haven't applied yet, [our website](#) has all the information they need to get started. This includes studying a degree with us at the brand-new [Confetti London](#) (more info below).

If you have any students who want to come along to see our campus and get a taste of what we offer, here's a reminder of our open day dates:

- Thursday 16 March - College-level



- Thursday 18 May - College-level
- Saturday 25 February - Undergraduate\*
- Saturday 25 March - Undergraduate\*
- Saturday 22 April - Undergraduate\*
- Saturday 1 July - Undergraduate

*\*These open days are aimed at those who are applying for this September.*

[Book an open day](#)



## Confetti London

In September this year, we will be opening a brand-new campus; Confetti London. Our new East London location will offer the best of our facilities here in Nottingham, whilst also being in one of the world's leading creative cities.

Our new campus will contain:

- A 600-capacity multipurpose event space, specced up to host live music, esports, entertainment, and double as a virtual production studio.
- Music studios, content creation facilities, rehearsal rooms.
- Industry-standard equipment, and teaching spaces tailor-made for each of our courses.

We can't wait to welcome our first learners this Autumn, and we are excited to share more details about Confetti London as we approach September.

[Find out more](#)

## Apprenticeships at Skanska UK

**SKANSKA**

### Apprenticeship Opportunities at Skanska

Skanska is one of the UK's top construction and development companies. We are building, upgrading and maintaining the country's infrastructure for future generations. Drawing on our Scandinavian heritage, we are green, innovative and progressive.

Deadline for applications: **20th March 2023**

[View all roles](#)

Skanska are currently recruiting apprenticeships and we would like to let you know.

Please encourage your students to have a look and apply to our various job opportunities in the construction industry. We offer Levels 2 through to Level 6 apprenticeships. Whether it be Civil Engineering, Quantity Surveying or even IT at our head office, there is a wide range of vacancies available.

Please view our Early Careers site [here](#) for more information and please feel free to share it.

Our applications close on Monday 20th March 2023.

You can hear from our current apprentices on [YouTube](#).

## Helping students prepare for interviews!



### Helping your students ace those interviews

It's that time of year where some of your students will be deep in apprenticeship applications meaning interviews could be right around the corner. It can be daunting but we are here to give them our TOP TIPS for acing those interviews.

We have released new written and video resources for your students to help them produce strong, competitive applications and achieve their dream role. These videos also feature our pathway alumni who have been successful in achieving an apprenticeship and are featured in the video to give their tips and experience.



[View Resources Here](#)

### Application Support?

At Pathway we want your students to succeed! That is why we offer **1-2-1 support sessions** every Tuesday, Wednesday and Thursday during term time. This is in a form of a **15 minute virtual session** that they can book in where it is dedicated time to them, receiving advice and support wherever they need it. Whether that be through the 1st stage of an application with their CV or the last stage, prepping for an assessment centre.

To book a slot students can email [student@pathwayctm.com](mailto:student@pathwayctm.com)

## UNIVERSITY OF CAMBRIDGE

### Year 10 and 11 - Downing College, Cambridge University Taster Webinar

Downing College, Cambridge is running a webinar for Year 10 and Year 11 students at UK state schools who are interested in applying to Cambridge, or who have the potential to apply to Cambridge. This will take place on Wednesday 1<sup>st</sup> March, 2023 from 5-6:30 pm online. Students attending the webinar will have the opportunity to find out more about the University, and explore what opportunities are available to them in the next few years. There will also be a Q&A with current undergraduate students.

For more information, and to sign-up please

see: <https://www.dow.cam.ac.uk/outreach/year-10-and-11-university-taster-webinar>.

The deadline to register is the **26<sup>th</sup> February, 2023**.



## YEAR 10 AND 11 - YOU CAN DO SPORT

### EXCLUSIVE BOXING EVENT - INVITATION!

YCDS Boxing Academy would like to you to join us for a special event with former Pro Boxer and World Champion Kick-Boxer, Lee Swaby!

**Saturday, 4th March, 10am - 12noon**

Carl Greaves Boxing Gym, Castlegate Centre, 69 Castlegate, Newark, Notts NG24 1BE

Former Pro Boxer and World Champion Kick-Boxer, Lee Swaby, will be taking a FREE training session at Carl Greaves Boxing Gym.

Come and meet Lee hear all about his career, and enjoy a boxing session with the man himself!

Open to male and females, age 15-18years, or in Years 10 or 11 at school. Parents & Guardians are welcome to attend also.

This is a FREE event; just email us to register your name.

## **Who is Lee Swaby?**

\* 2 x Kick Boxing World Champ

\* Pro Boxing credentials -  
British Masters Cruiser Weight Champ  
2x British Lonsdale Belt Cruiser Weight Challenger  
Commonwealth Cruiser Weight Challenger  
Midlands area Heavyweight Champ  
British Masters Heavyweight Champ

\* Former opponent of British Heavyweight Champion Matt Skelton, Derek Chisora and WBC World Champion Tyson Fury!



# Defence Nuclear Enterprise

**Careers within the UK Government / Civil Service with Defence Nuclear Enterprise**

Monday 27<sup>th</sup> February, between 5pm-6pm

**FAO Y11, Y12 & Y13 Students – Careers within the UK Government / Civil Service with Defence Nuclear Enterprise**

Have you ever wondered what goes on behind the scenes at some of the UK Governments most highly secured agencies?

We are so excited to announce a brand-new partnership with one of the highest profiles / top secret defence agencies in the United Kingdom, DNE!

Defence Nuclear Enterprise (DNE) are a high security organisation that are part of the United Kingdom's Ministry of Defence. The Ministry of Defence protect

people, territories, values, and interests at home and overseas. Through their strong-armed forces and in partnership with allies, DNE help ensure the nation's security, support our national interests, and safeguard the UK's prosperity.

Working for the government / civil service is a highly rewarding career which is why they are ranked among one of the best sectors for school leaver to work in.

DNE are working on some of the most top-secret missions whilst helping to keep the country safe using some of the best technology and systems in the world. And what's more incredible is that you as a school leaver can join them straight from school on one of their student programmes.

On Monday 27<sup>th</sup> February, between 5pm-6pm we will be hosting an Insight Evening with DNE virtually. This will allow you to learn a lot more about the organisation as well as the defence industry and you will have the opportunity to take part in a hands-on top-secret workshop. DNE will also be launching some brand new apprenticeships, so if you have an interest in working for the government and would like a future career in this sector then this will be ideal for you.

Places are strictly limited due to the workshop element so if you'd like to apply please do so ASAP.

**Application Link:**

<https://www.surveymonkey.co.uk/r/P2HVZMC>

## **VOLUNTEERING OPPORTUNITY**

### **BINGHAM PENGUINS IS NOW AT BINGHAM ARENA - SUNDAY AFTERNOON FROM 2.30 PM - 4 PM**

Are you interested in volunteering at Bingham Penguins? We would love to hear from you! We welcome people from age 14 +. You may be particularly interested in coming along if you are taking part in the Duke of Edinburgh Award, a Sports Award, you are looking for experience in working with people with disabilities or if you are

keen to get some volunteering experience for your C.V.

We offer training sessions twice a year and will pair you with an experienced volunteer to start with. You will always be under the supervision of a qualified swimming instructor. Volunteering at Bingham Penguins is a hugely rewarding experience and everyone always leaves with a big smile!

If you are interested in volunteering, please can you email [secretary@binghampenguins.org](mailto:secretary@binghampenguins.org) for more information.

**If you have any comments or feedback on the Newsletters please email [ffarmer@toothillschool.co.uk](mailto:ffarmer@toothillschool.co.uk) and not reply to this email as these Newsletters are sent from a no reply email address.**

**Thank you**