



MARLING
SIXTH FORM
Downfield Road



SPOTLIGHT

Terms 3 & 4

2022-2023



Welcome to the **Marling Leadership** team!

MARLING STUDENT LEADERSHIP TEAM 2022-23

Head Students



Jasmine

Student Engagement

Hi, my name is Jasmine, and I am one of the Head Students. The main objective of my role is to encourage student participation in activities across the school, which includes running the Student Led Tutor Time programme, and being deputy chair of the student council. I am studying Sociology, Psychology, English Literature, and a Breadth option in EPQ, in which I am writing a report on the subject 'Can stereotypes influence sentencing within Court?'. In my time as head student, I hope to continue to keep the school as diverse and accepting as it can be and strive towards encouraging students to get involved, increasing personal development and growth. So far this year, I have been a part of the girls' football team in school, as well as playing for a team outside, and have attended chess club. After leaving Marling School, I hope to go on to study Law at University, and eventually work towards becoming a barrister in the future.

Gio

Student Voice

I'm Giovanni and I'm one of the Head Students, focusing on Student Voice. As part of this role I am Chair of the Student Council. I'm currently studying Biology, Chemistry, English Literature and History. My main aims in this role are to make sure Marling students' voices are not only heard but listened to, and to do what I can to make positive change happen. I'm really hoping to make Marling thrive as a community. I'm fascinated by the sciences, so am a member of both Chemistry Society and Dissection Club, but I also enjoy humanities-based activities such as Model UN. When I leave Marling, I hope to study law and become a criminal barrister as I am interested in the role of the justice system in our lives.

MARLING STUDENT LEADERSHIP TEAM 2022-23

Deputy Head Students



Takara

Student Well-being

Hello I am Takara and I am the Deputy Head of Wellbeing. My role is to help the wellbeing of the pupils of Marling School by working with my peers and teachers. I am currently studying Mathematics, Chemistry, Physics and an EPQ. While holding this position, I hope to increase the communication between students and teachers on the subject of mental health. At this moment in time, I am working with Mr Smith to improve the Hub Rooms and with Mr Wilson to help educate the students on mental health via school assemblies. In the future, I am hoping to continue my study in scientific knowledge at university, and I am currently taking part in Access to Bristol. In my free time, I play the violin in the school orchestra, and I also helped to found the Sixth Form Chess Club. As a member of the School Council and the Leadership Team, I work closely with both pupils and members of staff to improve Marling School.

Hi I'm Josh - Deputy Head Student of Environment and I'm studying Physics, Computing, Maths and Further Maths. I am working with the Eco Committee to improve the school's response to climate change and other environmental issues we face. One thing we are focusing on is developing a more sustainable culture within the school. I enjoy chess club, rifle shooting and in my own time playing the piano. After leaving Marling I plan to study Physics at University.



Josh

Environment

MARLING STUDENT LEADERSHIP TEAM 2022-23

Deputy Head Students



Maggie
Charity

Hi I'm Maggie and I study Physics, English Literature and History. My main role is to organise and promote charity events. I hope to work and collaborate with the students as I believe it is vital to have student input on ideas in order to maximise involvement with these events and emphasise the importance of getting involved. Additionally, my goal is to use this role to bring attention to important issues through the events we hold and charities we support. After finishing my A Levels, I plan to take a year out to spend time travelling around either Europe or South America before I go to university to hopefully study Architecture as I am interested in changing the way council housing is built in the UK. I'm involved with the school production; early applicants support group and foreign film club which have all helped in building my confidence. Outside of school I play piano, bass guitar and I hope to continue developing my musical skills.

Hi I'm Tom and I'm Deputy Head of Coaching and Mentoring. I've been at Marling for six years and am currently studying Maths, Physics, Biology and DofE. Over the next year I hope to push the Coaching and Mentoring programmes to new levels through things such as working alongside individual year groups in order to tailor the support available to best help them. On top of the Coaching and Mentoring programme, I also participate in the student led tutor time sessions as well as running KS3 maths support groups on Fridays. In the future I hope to study Motorsport Engineering at Loughborough University and work in Formula 1.



Thomas
Coaching & Mentoring

MARLING STUDENT LEADERSHIP TEAM 2022-23

Deputy Head Students



Freya

Outreach & Marketing

Charlotte

I'm Freya and I'm a Deputy Head student on the Outreach and Marketing Team. My role is to help promote Marling Sixth Form to new students, including helping out at internal and external Sixth Form events. While doing this, I hope to play a part in ensuring that Marling is a safe and welcoming environment to introduce new students to. I am currently studying Biology, Psychology, English Literature, and alongside this, I attend Dissection Club. I also do dance outside of the school. Once I have left Sixth Form, I would like to study law either in an apprenticeship or at university.

Hello, My name is Charlotte and I'm a Deputy Head student on the Outreach and Marketing Team. I am studying Maths, Economics and Business. During my time at Marling I wish to use modern technology and communication platforms in order to relay important messages to all students as well as highlight events and opportunities. My role will also include working alongside Freya to reach prospective students and welcome them to our Sixth Form. Looking beyond Sixth Form, I hope to begin an Apprenticeship within the Finance Industry - more specifically focusing on Actuarial roles or Accountancy. However, for the present moment, I am looking forward to working with the Sixth Form Leadership team and my fellow peers in order to improve students' experiences at Marling.

MARLING STUDENT LEADERSHIP TEAM 2022-23

Deputy Head Students



Chandra

**Student
Engagement**

Hi, I'm Chandra and I am Deputy Head of Student Engagement. I currently study French, History, English Literature and EPQ as my breadth option. I hope that I can help make every student become an active member in the Marling community, so as part of my role, I help run student-led tutor times and provide opportunities that give every student a chance to express their voice and create an environment in which they will grow. At Marling I take part in the Mentoring and Coaching Programme, the early applicant group, the sign language course, and I am a language ambassador. Outside of school I enjoy playing the piano and I am on the forum for the young carers' charity. After A Levels, I hope to study languages and history at university.

I'm Oliver and am Deputy Head of Culture and Inclusion. I am currently studying English Literature, History, Politics and a breadth option in Creative Writing. During my time as Head of Culture and Inclusion, I hope to encourage acceptance and celebration of all cultures, religions, races, genders and backgrounds and to create thriving place of education where every student feels that they are spoken for. Originating from a mixed ethnic minority background myself, I believe that all individuals should have the confidence to express their identity without the fear of judgement or the denial of equal opportunity. I currently partake in a range of extracurricular activities, some of which include The Early Applicant Support Group, Model UN, football and the Law Society, which I chair. In the future, I plan on studying a degree in law as I have always taken an interest in its intricacies and thoroughly enjoy reading.



Oli

**Culture and
Inclusion**

Marling Student Leadership Team 2021-22



We thank the outgoing Marling Student Leadership Team.
We wish them all the very best for their futures.

Music Chamber Concert



Peter



Ellie



George



Tom



Dylan



Physics Students Bring Home the Awards



The British Physics Olympiad is a national Physics competition involving attempting to solve incredibly complex Physics problems. It is designed to stretch and challenge the top Physics students in the country. This year 2,830 students from 440 schools participated from the UK and eleven of our year 13 Physics students took part in the competition. Two students; Tom and Matthew were awarded Gold certificates placing them in the top 15% of students taking part- an incredibly impressive achievement. A further 3 students; Danil, Ben and Louie were awarded silver certificates placing them in the top 30% nationally. Bringing home, the bronzes were Abigail, Tom, Jonathan, Wyatt and Alfie and a Commendation for Arthur. Congratulations to all those who took part.

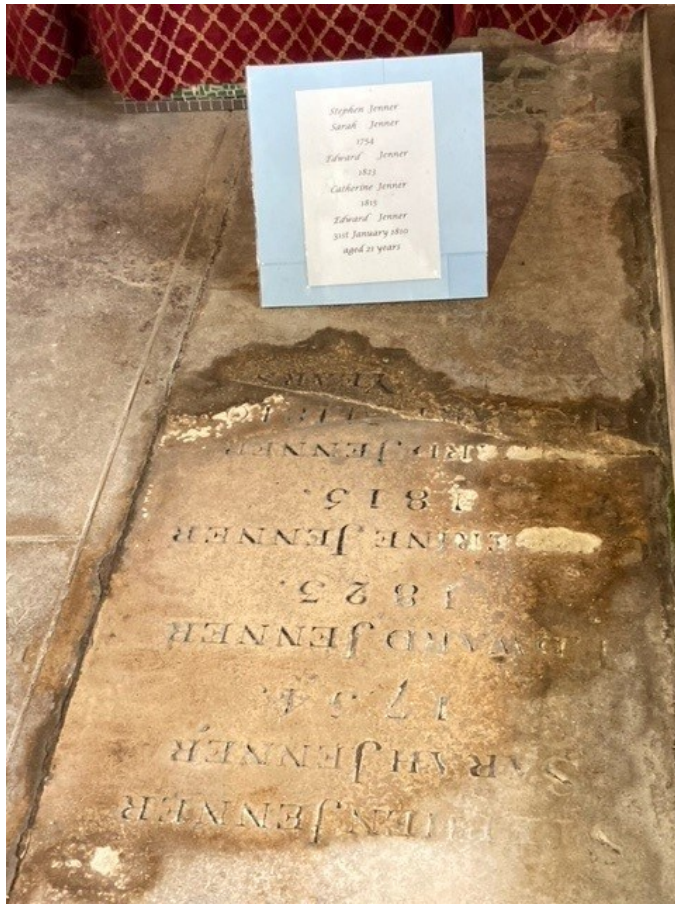
Students attend Chris Whitty Talk at Dr Jenner's House

Fifteen students went to a talk by Professor Chris Whitty in Berkeley to celebrate the 200th anniversary of the death of Edward Jenner (17 May 1749 - 26 January 1823). Edward Jenner was an English physician and scientist who was the pioneer of smallpox vaccine, the world's first vaccine. The talk took place in the Church where Edward Jenner is buried. Students were able to ask Professor Whitty questions, and these ranged from asking how Professor Whitty became the Chief Medical Officer for England, to the potential impact of vaping on adolescents.



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WHITTY TALK



The talk took place in the Church where Edward Jenner is buried.





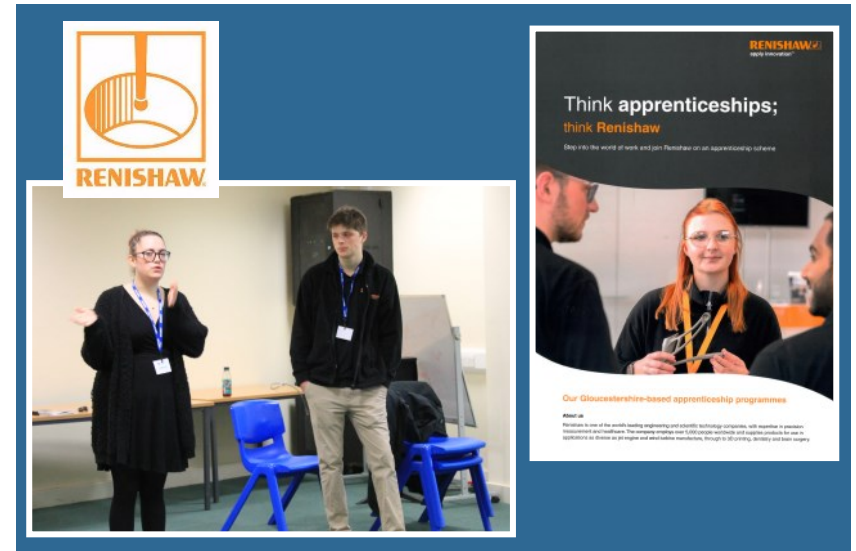
6th February marked the start of National Apprenticeship Week 2023. Lucy Spiteri-Beale, the Early Careers and Education Outreach Tutor at Renishaw, came in to talk about apprenticeships and brought with her one of our ex Marling students who is currently studying for a degree apprenticeship with them.

We then had Atkins come in with two ex Marling students, one of whom is in his 5th year of his degree apprenticeship and the other in his first.

The sixth formers who attended asked really meaningful questions to help them find out more about the ever expanding opportunities in the world of degree apprenticeships.

You can find links to both presentations on M6 should you want more information about the opportunities these companies offer.

Mrs Bhambra



Students had the opportunity to join The Big Assembly, a live broadcast about apprenticeships, along with 70,000 other students in the UK. The Apprentice panel spoke about their apprenticeships from a variety of angles.



Students Attend World Final in Abu Dhabi



**JUNK
KOUTURE**

Archie and Iona travelled to Abu Dhabi in January with Miss Teagle-Brown fully sponsored by Junk Kouture for the World Final of the Competition. Archie designed a couture dress made entirely from scrap materials such as golf umbrellas, scrap acrylic and plywood alongside completely recycled shoes with an umbrella handle heel. His design made it to the World Final of Junk Kouture and received some amazing comments from all three judges, including the course director at Central St Martins.

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Junk Kouture is a sustainable fashion competition which challenges young people to design, upcycle and create high end Kouture from recycled junk, before showcasing their design and representing their school on stages across the world! Archie, Iona and Miss Teagle-Brown visited Warner Bro's World, the Grande Mosque and spent time relaxing on the beach in between rehearsals and the final show at the Etihad Arena in Abu Dhabi.

Congratulations to Archie who continues to work with Junk Kouture and will be helping them to run a workshop in London. His design will also be on show in Trafalgar Square, modelled by Iona, as part of the St Patrick's day celebrations.

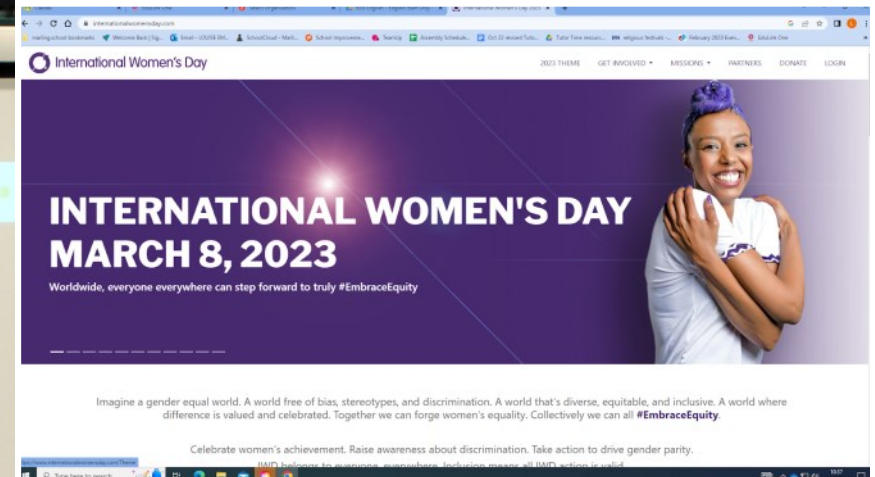
Well done to both students who were fantastic on the trip and received such lovely feedback from teachers and professionals all over the world.



What If Roadshow

Year 12 students watched the 'What If...?' Roadshow run by the Office of the Police and Crime Commissioner, Gloucestershire Fire Service and Gloucestershire Constabulary. It is a truly impactful show which highlights the importance of safe driving and road safety by looking at real incidents from the perspective of victims of serious road incidents as well as their families and friends and attending Fire and Police Officers.

IWD 2023



The focus at school was to raise awareness for International Women's Day. As well as a non-school uniform day, the Student Leadership Team delivered assemblies throughout the week to each year group to start important conversations regarding issues that women face. Funds raised for the day went to Stroud Women's Refuge.

Raising Funds for Prom



Year 13 students held a Pre-loved Clothes Sale to raise funds for their Prom.



From Eco Committee:
Currently developing an educational video for climate emergency across the trust with the help of Miss Dyke, Dr Kennedy and Josh (Deputy Head Student of Environment) in preparation to declare a climate emergency within CBAT.



UNIVERSITY OF
CAMBRIDGE



UNIVERSITY OF
OXFORD

The Year 13 students gained 7 offers to Oxbridge. Two for Oxford and five for Cambridge. A sign of fantastic provision and support of the full staff.

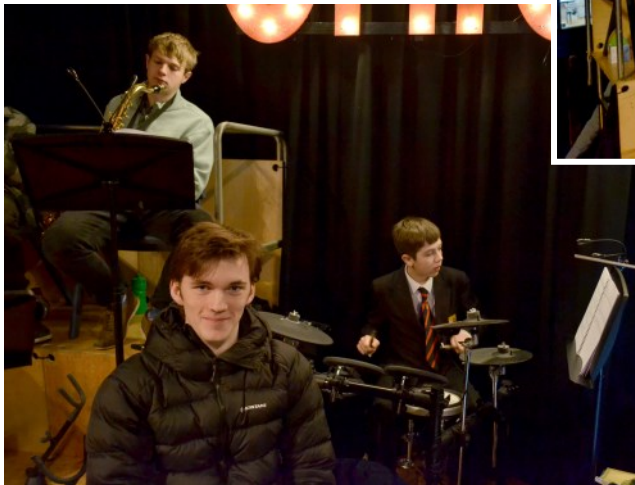
DRAMA & MUSIC



Chicago: Teen Edition



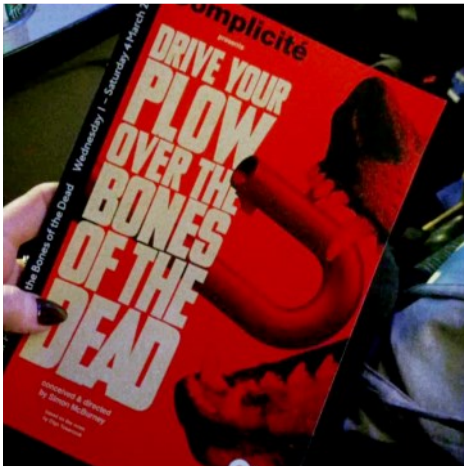
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MARLING
MUSIC



DRAMA



Drama students took a trip to Oxford Playhouse to see Drive Your Plow Over the Bones of the Dead.

POLITICS & GOVERNMENT



Year 12 and 13 Politics students visited London, toured Parliament and experienced lots of Political landmarks along the way including Whitehall, Buckingham Palace and Trafalgar Square.

'Once we arrived, we headed to Parliament where we took a tour of Westminster. Having the opportunity to stand in the Houses of Commons & Lords, really brought our most recent topics to life. The amazing architecture and history seen through this building is truly spectacular. We were surprised with the difference in watching PMQs on the television to how it looks in the flesh. The teachers then showed us around other landmarks such as Downing Street, the Supreme Court and Buckingham Palace. It was a really amazing experience to see the buildings and institutions that we learnt about in class and it has put into perspective our democratic procedures in the UK which helps to visualise and consolidate our current studies in our A Level politics course with some free time at the end. The trip was a great experience overall and made for a very enjoyable day.'

Harriet Y12 Politics Student



Year 12 Ashmolean Trip

This term, the Y9 Latin and Y12 Classical Civilisation classes enjoyed a day out to the Ashmolean in Oxford. We took part in a Roman source handling session using inference skills to discuss what each item was and what it could tell us about the Romans. We then enjoyed looking round the museum. The Y12 students had the opportunity to see primary sources relating to Augustus and the Odyssey to use in their Classical Civilisation AS exams in May. We finished the day with a trip to the Roman amphitheatre in Cirencester which, although very muddy, gave the students a great opportunity to see Roman remains on our door step. A great day!



Exploring German Biochemistry in Berlin

This term, an exciting opportunity presented itself to 33 Biology and Chemistry A Level students, as they travelled to Berlin to delve deeper into the world of German biochemistry! The students had the privilege of visiting numerous historical sites and museums around the city, while also spending two unforgettable days in university outreach labs during their stay.



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Biochemistry in Berlin

During their first lab session, the chemistry students conducted a fascinating investigation into caffeine, before moving on to synthesising a number of polymers in their second session. Meanwhile, the biology students had the chance to utilise advanced techniques such as PCR and gel electrophoresis to identify genetically modified soy products. Additionally, they were able to identify carriers and sufferers of a genetic disease within a family, further enhancing their understanding of this important field.



Year 12s Visit to UCAS Hub Discovery Day

On Thursday 23rd March, we took Year 12 to the University of Worcester for their UCAS Hub Discovery Day – think ‘Freshers Fair for Year 12!’ Universities from all over the UK were on hand to speak to students, answer any questions they had and hand out prospectuses (and even a few freebies!). We hope that students found it a useful experience and it helped them to start thinking about their next steps post 18.

Once Year 12 have done their mock exams, they will be starting to plan their personal statements and research universities that they may wish to apply for next year and hopefully the trip has given them a head start.



Students were impeccably behaved on the trip and represented Marling School extremely well. We are very proud of them! Please see below what some of the students who went on the trip had to say... Mrs Bhambra



As someone who is looking to attend university after my A Levels, I found the Worcester UCAS discovery day a useful experience as it helped me to narrow down university options and consider safety options which was something I was unsure about as I didn't really know where to look and how to make my decision. I'm looking into studying architecture and this day helped me to understand the similarities and differences between architecture courses. I even had the opportunity to chat with a third year architecture student who provided me with valuable insight into architecture on the whole. The biggest take away from this day was after being able to talk to lots of different universities I now have a wider perspective of where I want to go based on location and the type of course I want to study.

Maggie

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Year 12s Visit to UCAS Hub Discovery Day

On the 23rd of March I was given the opportunity - along with the rest of Year 12 - to experience the UCAS Discovery Day in Worcester.

Consisting of several visiting universities we were able to meet face-to-face with both staff and students. Here we could ask any questions regarding universities we had already researched as well as discovering new opportunities which may have been hidden to us otherwise.

Having pre-set myself universities to visit, I was able to research much deeper regarding my chosen courses - which I found invaluable. Many of my friends also received some excellent insight into universities and courses they had not considered.

I believe the presence of university students at some of the stands were potentially the most useful part of the event; I found experiencing their passion for the course and interacting with them an accurate way to gauge whether I myself would enjoy the course.

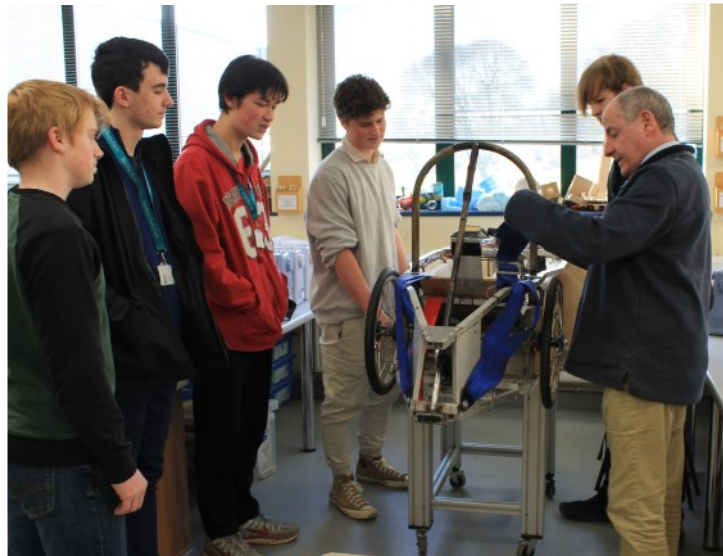
Thanks to the Discovery Day I now know which universities I would like to prioritise for open days as well as prompting further questions I would like to ask on such days.

Austin



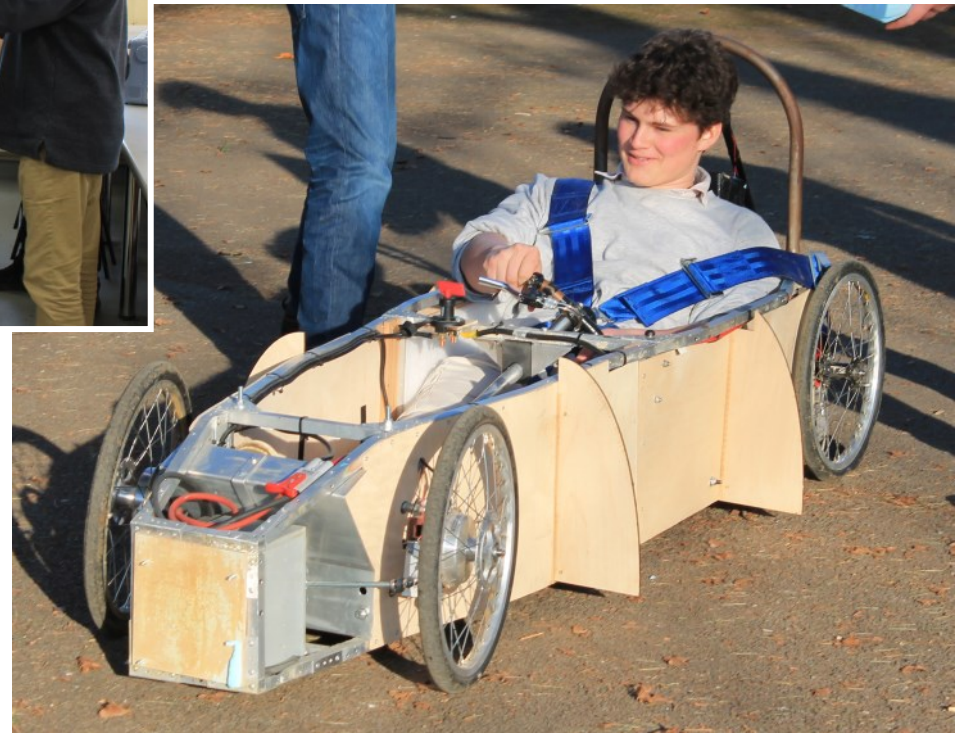
ENRICHMENT

Greencar



Greencar enrichment students checked and discussed the electrical system before taking the car out for a drive.

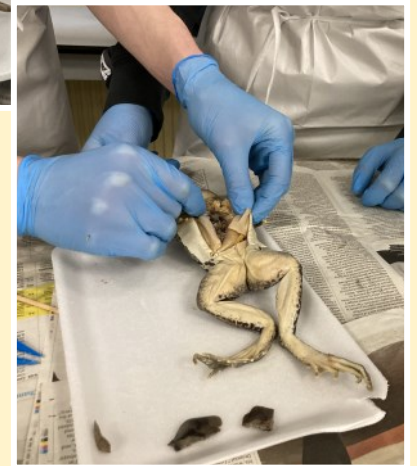
If you, or anyone you know, can support the team with advice, expertise, access to tools and equipment or sponsorship please get in touch with Mr Berry (sjb@marling.school) or Mr Green (bcg@marling.school).



ENRICHMENT DISSECTION CLUB



Pigs' Heads



Students enjoyed dissecting frogs in the dissection club (these were bought from a biological supplier and not taken from the pond!). It was interesting to see the 'fat bodies' (yellow banana shaped deposits of fat) in the specimens; these are deposited to help frogs get through hibernation. It was also fascinating to see all the eggs inside the female specimen. Students are looking forward to dissecting rats in the next session.

ENRICHMENT SNAPSHOTS



**BOYS'
FOOTBALL**



CHARITIES



**COMIC
RELIEF**

**RED
NOSE
DAY**

FRIDAY 17 MARCH

The Red Nose Bake sale raised ££254.16 for Comic Relief.

CHARITIES



In recognition of International Women's Day, a non-uniform day was held. £1,382 was raised for Stroud Women's Refuge.



A non-uniform day was held in March to raise money for the recent Turkey and Syria earthquake disaster. £2320.50 was raised and went to the UK relief funds.



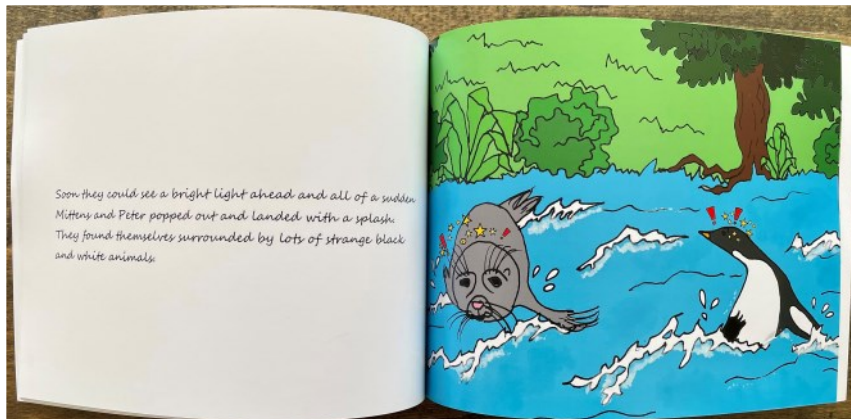
A non-uniform day was held Friday 17th February, to support two local charities. The first, Teens in Crisis, aims to support mental health services for teenagers and parents/carers who need to support young people with emotional and mental health issues. This is to show support for Children's Mental Health Week. This is an opportunity to shine a spotlight on the importance of children and young people's mental health. By getting involved, we're raising important awareness and vital funds to help more children and young people get the emotional support they need. Every penny and pound we raise will contribute to a future where every child has easy access to mental health support. £757.50 was donated.



The second charity is Teckels. Teckels' aim is to rescue, rehabilitate and rehome animals in need, regardless of health, age or temperament and they are in crisis mode at the moment as, due to the cost of living, people are unable to afford to support their animals. Dr Kennedy has been raising money for them for the past year, so we are supporting her efforts. £757.50 was donated.

AWARDS & ACHIEVEMENTS

As Coco's super curricular Wednesday afternoon activity she decided she wanted to illustrate a children's book. She was given a story about the closure of Bristol Zoo and a resident penguin, Mittens, along with a mock client brief. Over six weeks she developed the characters and her style then sketched the pages by hand before converting them to digital illustrations. Coco does a lot of art by hand but the move to digital illustration meant she gained a new skill, along with learning about planning, deadlines and responding to a client brief, resulting in a wonderful finished book.



AWARDS & ACHIEVEMENTS

Making the Team

Bart made the International UI8s team. He's recently played against Wales and will be playing for Scotland in the Six Nations over the Easter break. Congratulations and well done Bart!



ALUMNI

1 piece of advice for young people interested in joining the nuclear industry... Make sure you get involved in plenty of projects related to the area you're interested. You can have the best exam results in the world but will still find it difficult to progress unless you've demonstrated an interest in your subject and teamworking skills. These could be school projects, a CREST Gold award or even things in your personal time like meeting engineers and scientists at their work.

Nuclear Fusion > Are There Jobs in Nuclear Fusion?

ARE THERE JOBS IN NUCLEAR FUSION?

Taking nuclear fusion from the theory all the way through to a reality of powering homes is taking a lot of work, and will continue to take a lot of work for decades to come.

This means there is a huge number of jobs in fusion, especially given all the recent progress! Read on below to hear from someone who works in fusion.



DAN, UKAEA (THE UNITED KINGDOM ATOMIC ENERGY AUTHORITY)

Can you explain what you do for work? I'm an engineer working on the STEP (Spherical Tokamak for Energy Production) project. I'm helping to design some of the systems for a full-scale fusion power plant.

What did you want to be when you were younger? I wanted to be some sort of engineer but wasn't sure what type. Later on, I found out about Chemical Engineering. It seemed to cover a wide range of topics I was interested in so I decided to study it.

Tell us more about how you got to where you are now... I studied maths, physics and chemistry for A-levels but also got involved in some of the engineering projects at school. I think getting experience as a young student is really useful. I studied Chemical Engineering at university and graduated with a master's degree in engineering. My first job after uni was in a different type of engineering: control and instrumentation but I soon found myself wanting to do something else.

How did you start in nuclear? After a couple of years in my first job I realised I wanted to work on something that would benefit the environment. I started applying for green jobs in biofuels, renewables and nuclear until I found my role at UKAEA.

Why do you love your job? Fusion power is a state-of-the-art technology. It's exciting to be working on a project that has never been done before. Also, I know the project will have a positive impact on the environment and help to reduce climate change. It provides plenty of opportunities to learn more about what I'm interested in.

What is the most challenging thing about your job? The most challenging thing is that I'm working on something completely new. That makes it difficult to find information about it and I have to learn very quickly. This is a positive AND a negative in my opinion. It's difficult and sometimes frustrating not being able to find an answer but when you do find the answer, it's extremely rewarding.

Which of your skills are most important? Other than the technical skills I learnt at uni, I think the ability to work well with other people is really useful. It's important to know that you can't solve everything yourself and sometimes you need to ask other people to help you.

What is your vision for the future of the UK nuclear industry? We should shift away from fossil fuels as soon as possible. The fastest way to do that is with conventional fission power plants. At the same time, we can work on improving our renewable energy sources like wind and solar. Fusion power will be developed slowly, but once it's been demonstrated it will take off. I hope to see the first fusion power plant powering homes by 2040.

1 piece of advice for young people interested in joining the nuclear industry... Make sure you get involved in plenty of projects related to the area you're interested. You can have the best exam results in the world but will still find it difficult to progress unless you've demonstrated an interest in your subject and teamworking skills. These could be school projects, a CREST Gold award or even things in your personal time like meeting engineers and scientists at their work.