



Marlborough News

www.themarboroughscienceacademy.co.uk

26th March 2021 Issue #115



The Marlborough
Science Academy



March 2021

Dear Parents/Carers

I cannot tell you how lovely it has been to see our school full of students and staff again, almost like the 'good old days' but not quite as we all know only too well.

Hats off and all credit must go to the fabulous testing team including some invaluable volunteers who did a great job testing over 1,300 students over a space of a fortnight. Organisationally it was a credit to Mr Paice and his team (the music was shocking though!) and the students behaved impeccably as they knew they had to, for something so important.

As I had predicted this week has flagged a number of issues and worries for us as professionals re: anxiousness, over reliance on social media, shyness, difficulty in communicating, anger, lack of boundaries and a failure to see the importance of abiding by our code because it has almost, in a way become alien.

Over the Easter holidays, whilst I do of course appreciate the difficulties still, please can I ask that for younger year groups especially you are talking to them about their use of social media and re-enforcing everything we know about privacy and keeping yourself safe. I am concerned about diet and an increased reliance on energy drinks, these I know you know are exceptionally bad for you (as well as being expensive) and from Monday 12th April they will be confiscated.

Uniform has taken a significant hit, we do have a fair and affordable policy, there are systems in place should there be a medical or financial reason for a short-term transgression but again from Monday 12th April we will not allow trainers without a letter from a GP, hoodies will also be confiscated and kept, jewellery will be confiscated and students with extreme haircuts will have to access their learning remotely. We need to get our uniform right to restore our sense of community and belonging, somewhat lost I think over the last few lockdowns. We need your support as parents in understanding that if there has been a transgression (they are children) there will be a sanction and it's not the end of the world for anyone, it is a mistake that goes against our code.

Understanding that for many Year 11s they have 'grown out' of their uniform/shoes and that they have but a few weeks left, so from Monday 12th April we have agreed to allow them to wear non-uniform as per our Post 16 Dress Code (Mr Griggs has sent this out to Year 11s). Please note that any unacceptable transgression of this (extreme hair, piercings, inappropriate clothing) will be tackled using our usual procedures.

Our values, Compassion, Courage, Kindness, Endeavour and Dignity have never been more important. I know life can be tough and cruel and at Marlborough we are determined to steer students through this, whilst they focus on learning to ensure they are well equipped to face life's challenges with resilience underpinned of course by the values as outlined above.

The home school partnership agreement is attached to remind us all about what we have promised you in terms of provision as well as outlining the simple guidelines that lend themselves to a community and a caring ethos not blighted by students not following the rules and compromising their learning and their futures in what can only be a 'Brave New World'.

Your support with all of the above is anticipated and appreciated, let's work together to make our children's lives as harmonious as possible whilst re-enforcing those basic values that just make life a lot easier and kinder for everyone.

Thank you



Ms Thomson
Headteacher



26th March 2021

Dear Parents/Carers

Consideration for my team when communicating with school.

Please can I ask, as with all other professions, that if you as a parent or carer have reason to contact our school that you do so in a polite and considerate way. I am becoming increasingly worried about my fabulous support team who have been left in tears or shaken after an abusive call; this isn't what we expect and unfair on my team who work really hard to support our school community.

I know things go wrong and I appreciate there are increased levels of anger and anxiety but shouting down the phone and being unkind will never be tolerated in our school.

I anticipate and appreciate a positive response to this request on behalf of my team.



Ms Thomson
Headteacher

At The Marlborough Science Academy we are all working towards
"Shaping Futures"

By:

- Insisting on excellence both inside and outside the classroom
- Working in partnership with parents and carers to promote kindness, dignity, co-operation, respect and enjoyment within the school and local community
- Providing opportunities for independent learning, creative thinking, emotional well-being through a curriculum designed to suit the individual
- Ensuring that all our learners are guided and supported towards fulfilling their long term goals, ambitions, hopes and dreams
- Operating within a sustainable, responsible and eco-aware community
- Always aiming for the best we can do to prepare students for the changing work place

The Home School Learning Partnership document was developed in consultation with members of the School Parliament, staff and parents



The Marlborough Science Academy
"shaping futures"

Our Learning Charter 2020-2021

"Embracing British Values"

By working in partnership we aspire to be outstanding and always aim for the highest standards in everything we do

Student:

Signature.....

Parent/Carer

Signature.....

Headteacher

Anne Thomson

All members of staff have agreed to:

- Plan and deliver challenging lessons that will enthuse and motivate students
- Make sure students know how well they are doing and what they could do to improve further
- Communicate regularly and accurately with parents and students
- Be consistent in their approach
- Treat all students as individuals and equally with kindness & respect
- Form positive relationships with students to encourage life long learning
- Follow the rewards and sanctions policy
- Keep up-to-date with local and national initiatives to ensure successful learning opportunities for all
- Follow school procedures and systems with consistency and compassion
- Ensure that they abide with school health and safety risk assessments to keep your children safe.

Anne Thomson

Signed by: Ms A F Thomson on behalf of the staff

All students have agreed to:

- Represent the school positively in the local community
- Come to the Academy in the correct uniform fully equipped for their learning
- Complete home learning on time and meet deadlines
- Work to their best potential
- Treat all members of our community with kindness and respect and forge positive relationships with staff
- Look after our school environment
- Accept that it is okay to make mistakes as long as you learn from them and ask for help
- Operate in school respecting our non-contact policy
- Follow the rewards and sanctions policy
- Respect social media policy and complete online module to ensure they keep themselves safe
- Follow social distancing and sanitising rules to ensure their safety and the safety of others

Signed by: The Heads of School on behalf of the Student Body

All parents/guardians have agreed to:

- Support the Academy in ensuring students are in correct Academy uniform and equipped for their learning
- Take an interest in their child's learning and completion of home learning assignments
- Attend necessary consultation evenings
- Maintain expected level of attendance (96% or better)
- Monitor their children's use of social networking sites and mobile use
- Respect our behaviour policy and all members of our school community in their communications
- Refrain from using social media sites for all complaints about the school and use the school's 'open door' policy to raise any concerns
- Bring issues to our attention that are causing concerns so we can deal with them as soon as possible
- Ensure children are sent to school in clean uniform with their own set of equipment, that until further notice is washed every night, ensure bags are washed inside and out to avoid the lingering or spreading of the virus.

[Signature]

Signed by: PTA Chair

Student Achievement

Congratulations to Darcy Moffat 11SF who was recently offered a two year apprenticeship with Luton Town Football Club.



Darcy joined Luton Town FC Academy in 2014 and has progressed through the years with commitment to the training schedules and representing Marlborough in football and swimming events, all alongside his academic work



The apprentices will be training full-time and playing for the Under-18s in the EFL Youth Alliance South-East Division and FA Youth Cup. Darcy will also continue his education with a BTEC Level 3 National qualification in Sporting Excellence and Performance, and a recognised FA coaching badge as well as taking part in the Academy's informal Life Skills programme. You can read the article on the Luton Town website [here](#)

English Stars of the Month for February

The following students have been recognised by their English teacher for their hard work, consistent effort and pleasing work in February.

Luke Matthews, Jacob Pledger, Connor James, Ella Rose Copley, Maia Selby, Amina Khartun, Katie Storey-Brown, Thady Metcalfe, Izzy Garman, Guy Kusman, Thomas Tofalli, Annabel Blackford, Nicholas Giles, Lilia Blower, Silas Maher, Evie Devereux, Charlotte Hardey, Fariha Hussain, Skye Cook, Xavier Clements-Kelly, Jenna Hutton, Liberty Kortas, Lucy Hamm, Luke Rumsey



English Stars of the Month for March

The following students have been recognised by their English teacher for their hard work, consistent effort and pleasing work in March

Amelia Jenkins, Tasnim Ahmed, Callum Howells, Byron Chalk, Matthew Newland, Alisha Uddin, Alex Angelis, Bethany Parry, Jade Albert, Xavier Clements-Kelly, Mathilde de Souza, Jack Gowers, Kieran Moran-Long, Hollie Thornton, Rose Parker, Alfie Sabak, Lisa Hutton, Callum Moore, Harry Ovington, Lily Scales, Dani Babb, Ione Dickinson, Jasper James, Grace Fitzjohn, Jack Armitt, Samiha Ali, Amber Cutmore, Arthur Percy, Freya O'Regan, Iqra Bibi, Lyon Richards, Xavier Bedford, Ilona Fitzpatrick, Molly Ling, Emily Clarke, Athena Stylianou, Tegan Kotula, Amelia Herold, Lucian Stefan, Oliver Farmer, Elmira Khodayari



Accelerated Reader Word Millionaires

All students in Years 7, 8 and 9 are enrolled in a reading scheme called Accelerated Reader. Students take a comprehension test to assess their reading ability and this helps to guide them to select appropriate reading material. When students finish a book on the scheme they can take a short online quiz to check their understanding of what they have read. Students earn house points for each quiz that they pass.

We currently have four Accelerated Reader Word Millionaires. These students have read over one million words since September.

Jody Neveling 9AS has read an amazing 4,856,762 words and tops the leader board.

Eleanor McWilliams 9CG is in second place with 2,822,352 words read.

Megan Adams 9AD is in third place with 2,330,428 words read.

Lewis Cleaton 8EM is in 4th place with 2,179,856 words read.

Marielle Pollard 7RT looks like she will be the first student in Year 7 to become a Word Millionaire as she has currently read 987,625 words.

Don't forget that students can take Accelerated Reader quizzes at home at the moment. All students in Years 7, 8 and 9 have been given the link to access the website by their English teacher and it is also available on the LRC Google Classroom and [here](#). Students should know their username and password but if they have forgotten they can contact me on s.nixon@marlborough.herts.sch.uk

Mrs Nixon - LRC Manager



Summer Term

From Monday 12th April, (hopefully with better weather), students can access the following outside areas in the mornings when they arrive as opposed to going inside. It is important that we maintain "bubbles" until further notice.

Year 7	Technology Courts
Year 8	Humanities Courts
Year 9	Boardroom Field
Year 10	Jubilee Gardens
Year 11	Pascal Covered Area

Thank you for your support.



Testing Information

The testing at school has been concluded and the students were excellent in their approach to this and can I please thank everyone for



their support. We had a team of volunteers help with this too and can I also pass on my thanks again to them as they were invaluable in ensuring we did this in a safe, professional and good humoured manner.



Testing has now moved into the home. We have provided lots of information regarding this but if you do have any questions, then please do ask on the hands@marlborough.herts.sch.uk email address.

All students should now have sufficient tests to continue with the testing over the Easter break and whilst you may not be at school, it would good to continue with the structure and regime of the testing required. Below is the guidance from the DfE as to why it is advisable to continue over the holidays:

Testing at home throughout the Easter holidays for schools and colleges

Following the success of the asymptomatic testing programme on the return to school and college, it is vital to keep testing at home throughout the Easter holidays and into the summer term.

- test twice a week at home from now on (all those who are able to)
- report results [online](#) as positive, negative or void. This information is critical in helping us to understand the prevalence of the virus across the country
- continue to test twice weekly over the Easter holidays
- test before returning to school or college for the summer term either the night before, or morning of, the first day back, to find and isolate any positive cases

Families and households can also access [home test kits for adults](#).

Please also be advised that to notify the school of your test result, there is a simple form to complete and submit and that you should not email the results to us. The form pops up immediately you enter the school website and so it is also easy to find.

Thank you as always for your continual support

Chris Paice Covid Coordinatr



Virtual Maths Easter Egg Hunt

Why not get involved in our Virtual Maths Easter Egg Hunt? This House Competition consists of 16 maths-y puzzles to work out. Submit your answers on the form below before Sunday 4th April and help your house win! <https://forms.gle/4Yp4ktUBb3FDxf6d7>



Free School Meals

The Covid-19 crisis has affected many families financially and we wanted to remind everybody that if your financial circumstances have changed your child may now qualify for free school meals. The full details of who qualifies are given on the Herts County Council website which you can find by clicking [here](#).

If you need more information about free school meals, please contact

Mrs Friend in the school office on:

j.friend@marlborough.herts.sch.uk. If you need support in putting an application together please contact our Family Engagement Worker, Mrs Hicks on: e.hicks@marborough.herts.sch.uk.



TMSA HOUSE COAST TO COAST

RUN FORREST RUN

TOP 3 STUDENT'S EFFORTS

OUR STAFF MEMBERS RUNNING FOR THEIR HOUSES. PUTTING IN SOME HERCULEAN EFFORTS. OTHER SPECIAL MENTIONS TO MRS CUELL AND MRS DENTON FOR ALSO RECORDING A LOT OF MILES.

WELL DONE ALL!

JAMES SPICER
THORNTON (7) -
SATURN
111 MILES

SPENCER PATEMAN
(8) MERCURY
106 MILES

JOSH PEDDER (11)
MARS
73 MILES



MR JAMES 374 MILES

RESULTS

1ST NEPTUNE -
929.06 MILES

2ND SATURN -
560.59 MILES

3RD MERCURY -
372.84 MILES

4TH MARS -
192.67



MR PACKARD 285 MILES

"THAT DAY, FOR NO PARTICULAR REASON, I DECIDED TO GO FOR A LITTLE RUN. SO I RAN TO THE END OF THE ROAD. AND WHEN I GOT THERE, I THOUGHT I WOULD RUN TO THE END OF TOWN. AND WHEN I GOT THERE, I THOUGHT MAYBE I JUST MIGHT RUN ACROSS GREENBOW COUNTY FOR THE COAST TO COAST TMSA HOUSE COMPETITION."



TOTAL MILES FROM ALL HOUSES = 2055 MILES THAT'S THE DISTANCE FROM SAN FRANCISCO TO WASHINGTON DC

SHARON ROBERTS 176 MILES



MR SALIH 270 MILES



Easter

We know that you are all looking forward to the holidays but do you know what Easter is all about and why Christians celebrate it?

What is Easter ?

Easter is the most important festival in the Christian Calendar. It celebrates the resurrection from the dead of Jesus, three days after he was executed. The Easter story is at the heart of Christianity.



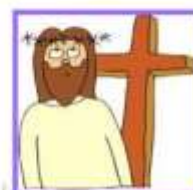
When is Easter?

● Easter is celebrated on the first Sunday after the first full moon in spring. That's why it's on a different date each year.



● The word "Easter" comes from "Eostre", the Anglo-Saxon goddess of spring.

● Christians celebrate the resurrection of Jesus Christ on Easter Sunday. Many people celebrate the beginning of spring.



Ramadhan

Muslims around the world are eagerly awaiting the *Month of Ramadhan*. The 9th month of the Islamic calendar which is based on the **lunar cycle**.

This month is also known as the **MONTH OF CHANGE**, the month of *mercy*, the month of **KINDNESS**, the month of forgiveness and the **MONTH OF THE QURAN**.

Why is the month *special*?

Muslims **fast** during this month—**Sawm**, fasting is the one of the **pillars of Islam**. **NO FOOD OR DRINK** during the hours of day-light (between sunrise until sunset).

Why? An opportunity to learn **self-control & self-discipline**. Chance to reflect on your character. Set personal goals. Do good & speak good.

Become closer to Allah (God) by learning about the religion, reading and studying the Quran.

Give **CHARITY**, not just your money or clothes but also your time & your physical presence. Be nice to others, **reach out to family members**, **don't lie**, don't speak ill of others & no gossiping.

Forgive those who have hurt you & ask those you have hurt for **Forgiveness**.

Why fast for 30 days? Changing/ forming new habits takes time, determination & continuous **DEDICATION**.

During the night
Drink plenty

Remember to eat your
5 a day

Staying healthy during Ramadhan

Get enough

Sleep



Don't abandon

Physical activities



EAT A NUTRITIONAL MEAL BEFORE DAWN

This Week's Quote of the Week

"Aspire, break bounds. Endeavour to be good, and better still, best."

(Robert Browning)

Word of the Week

Ecstatic (adj.) Feeling overjoyed and excited.

Book Week

Thank you to all staff and students who entered the Book Week competitions. The winners are below and they will hopefully all have received their prizes.

Who's Behind the Book?

Everyone who entered contributed to the house competition and Mars came out on top with the most entries. Neptune and Saturn were joint 3rd and Mercury were 4th. Well done to Lois Punter 8EM and Miles Punter 10EM who both managed to identify 17 of the 20 staff members. You can see the answers [here](#)



Cryptic Book Titles

Well done to everyone who entered. Mars and Neptune came joint first and Mercury and Saturn joint third in the house competition. The overall winner was Nathan Doggett 7DB who correctly answered 14 of the 16 clues. Well done Nathan. A special mention also goes to Mrs Baker who was the first to submit her answers and managed to score 100%! You can see the answers [here](#)

Book Character Competition

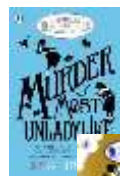
The winner was Katka Punter 8EM with her fabulous Luna Lovegood from the Harry Potter books.

All students who submitted entries earned themselves house points with the overall winners earning a Pinkie and an Easter Egg.



Virtual Author Visits

Year 7, 8 and 9 students had the opportunity to hear from award winning authors Sally Gardner, Robin Stevens and Alex Wheatle.



As usual there is a £1 book token available to all students who would like one. All year 7 students have been offered one in their English lessons and they can be also be accessed via this [link](#)

You will need to print off the £1 token to use in participating bookshops or supermarket and you will not be able to redeem it online. The tokens are valid from Thursday 18 February – Sunday 28 March 2021 but may be accepted after this date. You can use the token to buy one of the special £1 books or for £1 discount on another book. All Year 7 students have now been offered one of the free books in their English lesson.



LRC News

Don't forget to sign up for the LRC Google Classroom, where you can reserve books, ask questions and find out about competitions and events. Mrs Wood will also be posting a weekly activity for Feel Good Friday including recipes, colouring pages and videos. Here is the link to join again.



<https://classroom.google.com/c/MjY2MDMyOTQ1ODc4?cjc=bcsz3sb>

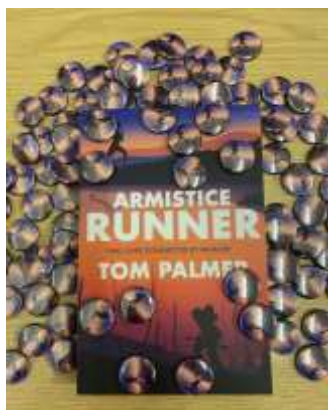
The Big Read 2021

The Big Read is a scheme which we hope will involve the entire Marlborough community of students, staff, parents, and governors, reading a single book by the end of this school year. This year we are reading *Armistice Runner* by Tom Palmer and you can see a short film that Tom has made for us on the LRC page of the school website [here](#)

Year 7 had a chance to ask Tom lots of questions during a virtual visit on Friday 19th March when he talked about writing, his motivation and his interest in historical fiction. He revealed that his inspiration for



the main character Lily in *Armistice Runner* is his own daughter who also enjoys fell running.



We have lots of copies of the book available to borrow from the LRC including two e-book copies. You can search the catalogue [here](#). You can still purchase a copy on the School Gateway [here](#). Tom is signing personalised bookplates to go in the books which will be available after the Easter break.

As in previous years we have exclusive pin badges for anyone who reads the book and writes a short review. Well done to James in Year 7 who has completed the first review. He even got a reply from the author on Twitter which you can see [here](#)

'Click and Collect' Service

It has been lovely to welcome students back to the LRC for lessons and to borrow books but we are still operating a click and collect service for those who want to borrow outside of these times. Please reserve the books on the LRC catalogue [here](#). Alternatively you can leave a message on Google Classroom or email s.nixon@marlborough.herts.sch.uk

All students have access to a selection of e-books and audio books through our catalogue. Lists of the digital books available are in the quick lists at the top of the page. Some of the titles are restricted by year group. On the next page there is more information on other ways you can access digital books.



LRC News

Free Access to Digital Books

In addition to our own LRC catalogue there are a number of free online resources available to access e-books and audiobooks.

If you aren't already a member of the public library I would really recommend that you join. You can join online and have immediate access to thousands of ebooks and audiobooks through the BorrowBox App. Click on the image to join the library or log in to your account.



The Virtual School Library from Oak Academy and The National Literacy Trust has a new free ebook or audiobook available each week from a featured author. They are only available for a week or two though so you will need to read or listen to the book within that time.



**PROJECT
GUTENBERG**

Project Gutenberg gives free access to e-books. They are mostly classics which are out of copyright. Click on the image to be taken to the site.

LibriVox is a library of audiobooks, again mostly classics such as The Jungle Book and The Wizard of Oz, which are read by volunteers and free to download.

LibriVox

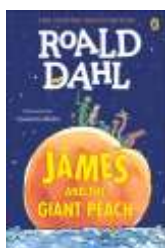
Audible stories have free audiobooks available currently including stories in French and Spanish. Click on the image to see what is available.



The Oxford Owl website has a number of free e-books. Although mostly for primary age group there are some books that may appeal to Key Stage 3 students and which have quizzes on Accelerated Reader. Click on the image to be taken to the site. A parent or guardian will need to sign up for a free account to access the books. A list of the books on AR with their levels and colours is [here](#)



Lots of authors have recorded readings of their books on YouTube recently. Links to the first chapter of several popular books are below. Just click on the book cover. These are all books where the author or other celebrities have recorded the whole book with permission from the publishers or classic books which are no longer subject to copyright.



Valentine Bake Off Competition

The standard of entries was amazing, and in my eyes everyone was a winner. The bakes were all so original, and such a lot of thought had gone into them. Marlborough certainly has some very talented bakers. Of course all bakers have earned house points for the interhouse competition, but the following were nominated as the best bakes in each year group.

Year 7

Annie Constable 7RT



Year 7

Sophie Walsh 7SL



Year 8

Katka Punter 8EM



Year 9

Katie Albert 9HA



Year 10

Russel Panes 10AK



Staff - Mr Eve



Overall house winners were:

First Mars
Second Mercury
Third Neptune
Fourth Saturn

You can see more of the fantastic entries on the next page.



Valentine Bake Off



Cultural Capital Enrichment Opportunities

We have developed an exciting new area on our school website on cultural capital for students to access and get involved in to expand their interests, knowledge and cultural experiences including virtual tours and exhibitions, films, research opportunities and enrichment activities.

Students who take part in the activities will develop key competencies including resilience, independence, creativity, research skills and critical thinking skills. They will also expand their knowledge and cultural awareness enabling them to develop their interests and widen future opportunities available to them.

Marlborough believes in shaping futures and developing the whole student. We pride ourselves on doing this well through a wide range of extra-curricular activities, trips and visiting speakers and whilst these are limited at the moment we will be continuing with these as soon as we are safely able to. The Cultural Capital activities are designed to complement these.

There are activities available for all year groups although we are currently concentrating on Years 7-10

Year 7 and 8 students should email their completed activities to Mrs Wood at KS3CC@marlborough.herts.sch.uk

Year 9 and 10 students should email their completed activities to Miss McClusky at KS4CC@marlborough.herts.sch.uk

If a student has any interests or wants to develop a particular skill they can also send in an email to request this and we will do our best to gather the relevant materials.

The recent Cultural Capital assembly can be found [here](#)

If you have any questions please do not hesitate to contact us.

Mrs Wood and Miss McClusky

Cultural Capital Coordinators

<https://www.themarlbroughscienceacademy.co.uk/students/cultural-capital#>

The Secret Annex

Take a look around and discover the Secret Annex where Anne Frank hid for more than 2 years during WWII and where she wrote her diary.

In July 1942, the Frank family went into hiding.

The Van Pels family followed a week later. The two families already knew each other.

Hermann Van Pels worked for Otto Frank's company. Four months later, they were joined by an eighth person, Fritz Pfeffer, an acquaintance of the Frank family.

www.annefrank.org/en/anne-frank/secret-annex

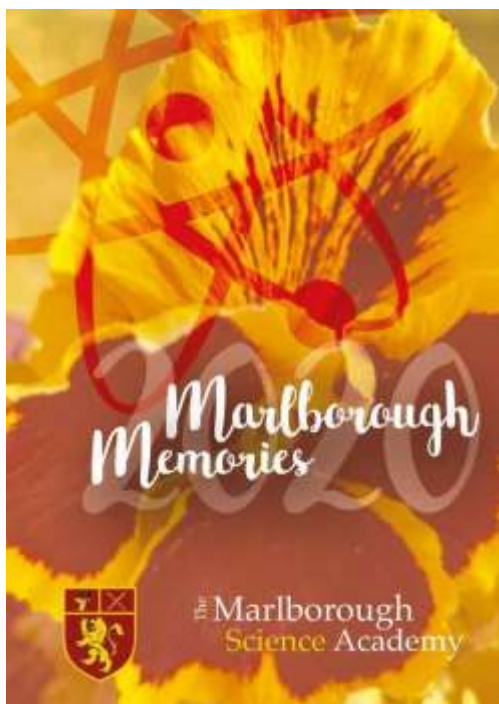
Write a small description of the Annex, what do you think it would be like to live there. What is the one item you would take with you?

An example of the activities available on the website.



Marlborough Memories

To mark a year since we initially went into lockdown, which also marks a year of gathering our memories and thoughts during this unprecedented period, we have held copies of 'The Marlborough Memories' book.



If you would like a copy of this fabulous book with so many memories that have been included, then a copy can be purchased through School Gateway [here](#)

We are also still collecting for our NHS, for which donations can also be made through School Gateway.

You can see some extracts from the book, which includes items from students, staff and parents written during lockdown, on our website [here](#).



REMOTE LEARNING GUIDANCE

Remote learning is going to continue to be an important component of our educational provision.

To help make this process as easy and effective as possible, we have updated our website with help and guidance on how to manage remote learning.

Please visit:

<https://www.themarboroughscienceacademy.co.uk/students/remote-learning-support>

If you have any concerns or questions about remote learning procedures please contact Mr Rutherford. If it is a question about a specific task for a lesson please contact your child's class teacher directly.




Pi Day

Sunday 14th March was Pi Day! Pi Day comes from the way that Americans write the date with the month first, and then the day which means 14th March was written as 3-14! These are the first three digits in the number pi. We had a variety of activities sent across for students to complete if they wished including a Pi Number Sort, Picture Reveals, a Word Search, Pi-Ku Poetry, and even an experiment that demonstrated a way to approximate pi along with loads of fun pi facts and more. Thank you to all the students who participated! Here are some samples of the excellent work received!




Pi day
Peace
America


Area of Circles



r radius
the distance halfway
from the center to the
edge of a circle



d diameter
the distance all the
way across the
middle of a circle



A area
the space inside
made of a circle

$A = \pi r^2$

1

2

3

4

5

6

7


8

9

10

Directions: Identify the radius, diameter, and area. Type the number only, not the units. Use 3.14 for π . Do not round. If all 3 answers are correct, you will earn a star! Each star will reward part of a picture!

	radius	diameter	area
1	8	16	200.96
2	5	10	78.5
3	18	36	1017.36
4	11	22	379.94
5	20	40	1256
6	3	6	28.26
7	7	14	153.86
8	10	20	314
9	6	12	113.04
10	2.5	5	19.625




touching red 76


not touching 455


amount of sticks 200


$\pi = 3.14$


Circumference of Circles


1. 


2. 


3. 


4. 


5. 


6. 

7. 


8. 

9. 


10. 



radius
The distance between
the center and a point
on the circle



diameter
The distance from one
edge, across the circle,
to the other edge




circumference
The distance around
the outside of a
circle

$C = \pi d$

Directions: Identify the radius, diameter, and circumference. Type the number only, not the units. Use 3.14 for π . Do not round. If all 3 answers are correct, you will earn a star. Each star will equal part of a picture!

	radius	diameter	circumference
1	5	10	31.4
2	3	16	50.24
3	15	30	94.2
4	10	20	62.8
5	7	14	43.96
6	2	4	12.56
7	4	8	25.12
8	16	32	100.48
9	12	24	75.36
10	1.5	3	9.42




Arrrrr-mazing Work!

Pi City

[Video Directions](#)

In each column, shade in the number of boxes using the digit of pi.
Shade from bottom to top, to create a skyline.
Optional: color the sky and add any extra details you want.



A 10x10 grid used for creating a skyline. The columns are numbered 1 through 10 at the bottom. The grid is partially filled with blue and red colors to represent a skyline. The blue areas represent the sky, and the red areas represent the buildings. The buildings are of varying heights, corresponding to the digits of pi (3.14159265358979323846264338327950288419716939967437510781095493516295164417912653596744126563992180971495985498932186227).

3	.	1	4	1	5	9	2	6	5	3	5	8	9	7	9	3	2	3	8	4	6
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---



VIRTUAL OPEN EVENTS

Tuesday 13th April

Access | Animal Management | Applied Science | Carpentry & Joinery | Catering
Early Years | Equine | GCSEs | Hair & Beauty | Health & Social Care | Horticulture
Motor Vehicle | Public Services | Sport

Wednesday 14th April

Adult Short Courses | A Levels | Apprenticeships | Art, Fashion & Design
Business | Construction Management | Electrical | Engineering | ESOL | IT
Music, Media & Performing Arts | Plumbing | Travel & Tourism

Join us online from 4pm - 7pm

Register your interest online at: oaklands.ac.uk



Careers News



We have a new digital notice board in the Careers Hub in the LRC with information about careers events and opportunities together with some motivational quotes and other useful information. This will be updated regularly so be sure to take a look next time you are in the LRC.



@oaklandscycling

CYCLING ACADEMY

Tailored for 16-18 year old Junior Cyclists | with options for 18+

ENDURANCE ACADEMY

NOW ENTERING ITS 5TH YEAR

Train mornings and study afternoons

Brand new residential accommodation in St Albans, Hertfordshire

Register your interest now at cycling@oaklands.ac.uk

APPLY NOW FOR SEPTEMBER 2021

In partnership with

BRITISH CYCLING

OAKLANDS COLLEGE **wattbike** **Redbridge Cycling Centre** **SPORT BEANS** **K4PZ** **SALIX** **St Albans Cycles**



@oaklandscycling

CYCLING ACADEMY

Tailored for 16-18 year old Junior Cyclists | with options for 18+

FREERIDE ACADEMY

Trail | DJ | Extreme | Dig Shred | Gym and Build

New for September 2021

Train mornings and study afternoons

Brand new residential accommodation in St Albans, Hertfordshire

Register your interest now at cycling@oaklands.ac.uk

APPLY NOW FOR SEPTEMBER 2021

In partnership with



OAKLANDS COLLEGE

wattbike

Redbridge Cycling Centre

SPORT BEAMS

KAPZ

SALICE

St Albans Cycles

VIRTUAL EMPLOYER ENCOUNTERS

Please follow the link below to view recordings of the Virtual Employer Encounters webinars from the Autumn term on the HOP (Hertfordshire Opportunities Portal). These cover many career options including Physiotherapy, Engineering, Motor Trade, Medicine and Finance. There are new live Webinars every Thursday.

<https://www.hopinto.co.uk/explore-careers/webinars/virtual-employer-encounters/>



Hertfordshire
Local Enterprise Partnership

HOP
POWERED BY HERTFORDSHIRE LOCAL ENTERPRISE PARTNERSHIP

GCSE Mathematics

Easter Grade Booster Workshops

Eighteen topic-based sessions, nine at Foundation and nine at Higher, designed to support students preparing for assessment in GCSE Mathematics in 2021.

Designed to motivate and challenge students in an engaging and active learning environment, our remote workshops will provide students with the opportunity to take part in a number of focused revision activities and complete exam-style questions.

All 55 minute remote workshops cost £10 (incl. VAT).

Click on course code for details and online booking.

Thursday 1st April 2021

FOUNDATION TIER	
Time	Topic
9:30am	Fractions Course code: MAT/21/240/S
10:30am	Percentage calculations Course code: MAT/21/241/S
11:30am	Ratio calculations Course code: MAT/21/242/S

Thursday 1st April 2021

HIGHER TIER	
Time	Topic
1:00pm	Enlargement and similarity Course code: MAT/21/249/S
2:00pm	Trigonometry Course code: MAT/21/250/S
3:00pm	Angles and proof in geometry Course code: MAT/21/251/S

Thursday 8th April 2021

FOUNDATION TIER	
Time	Topic
9:30am	Factors, multiples and negative numbers Course code: MAT/21/243/S
10:30am	Algebraic Expressions and Equations Course code: MAT/21/244/S
11:30am	Graphs in algebra Course code: MAT/21/245/S

Thursday 8th April 2021

HIGHER TIER	
Time	Topic
1:00pm	Algebraic expressions and proof Course code: MAT/21/252/S
2:00pm	All about quadratics Course code: MAT/21/253/S
3:00pm	Statistics Course code: MAT/21/254/S

Saturday 17th April 2021

FOUNDATION TIER	
Time	Topic
9:30am	Statistics: averages and diagrams Course code: MAT/21/246/S
10:30am	Perimeter, area and volume Course code: MAT/21/247/S
11:30am	Angles Course code: MAT/21/248/S

Saturday 17th April 2021

HIGHER TIER	
Time	Topic
1:00pm	Surds and indices Course code: MAT/21/255/S
2:00pm	Bounds and accuracy Course code: MAT/21/256/S
3:00pm	Proportionality and Graphs Course code: MAT/21/257/S

Parents and carers can book places through the **HfL CPD Hub** at cpd.hertsforlearning.co.uk

For more information regarding these workshops, please contact: training@hertsforlearning.co.uk or call **01438 544477**.



01438 544464
hertsforlearning.co.uk



GCSE Mathematics

Easter Grade Booster Workshops

Foundation Tier workshop details

Fractions

- Calculating with fractions
- Problems involving fractions of quantities
- Equivalence between fractions, decimals and percentages

Percentage calculations

- Calculating percentages of quantities, with and without a calculator
- Percentage increases and decreases
- Compound percentage changes
- Reverse percentage problems

Ratio Calculations

- Sharing in a ratio, including reverse problems
- Applications (e.g. recipes, value for money)
- Relationship between ratios and fractions
- Compound ratio problems

Factors, multiples and negative numbers

- Factors, multiples, LCMs and HCFs
- Prime numbers and prime factorisation
- Calculating with negative numbers
- Collecting like terms in algebraic expressions

Algebraic Expressions and Equations

- Multiplying out and factorising (single and double brackets)
- Formulating linear equations
- Solving linear equations

Graphs in algebra

- Plotting straight line graphs
- Gradient and equation of a straight line
- Parallel lines
- Drawing simple curved graphs
- Recognise types of graph

Statistics: averages and diagrams

- Mean, median, mode and range of simple data sets
- Mean, median and mode of grouped data
- Drawing and interpreting pie charts

Perimeter, area and volume

- Solving problems involving perimeter and area of plane shapes (including circles)
- Solving problems involving volume and surface area of solid shapes

Angles

- Simple angle properties
- Angle properties of intersecting and parallel lines
- Angle properties of polygons

Parents and carers can book places through the **HfL CPD Hub** at cpd.hertsforlearning.co.uk

For more information regarding these workshops, please contact: training@hertsforlearning.co.uk or call **01438 544477**.



01438 544464
hertsforlearning.co.uk



GCSE Mathematics

Easter Grade Booster Workshops

Higher Tier workshop details

Enlargement and similarity

- Enlargements, including those with negative and fractional scale factors
- Properties of similar triangles, and other similar plane shapes
- Relationship between the area and volume of similar shapes in 2D and 3D

Trigonometry

- Sine and cosine rules
- Using trigonometry and Pythagoras to solve problems in 3D

Angles and proof in geometry

- Circle theorems
- Using congruence to prove results in geometry

Algebraic expressions and proof

- Simplifying algebraic expressions, including those involving fractions
- Proving results using algebra

All about quadratics

- Solving quadratic equations
- Properties of quadratic graphs
- Finding the n th term of a quadratic sequence

Statistics

- Using cumulative frequency to estimate medians and quartiles
- Drawing and interpreting histograms
- Using diagrams, including box plots, to compare distributions

Surds and indices

- Manipulating and simplifying expressions involving surds
- Negative and fractional indices
- Solving problems using laws of indices

Bounds and accuracy

- Upper and lower bounds
- Calculating with numbers expressed to a given degree of accuracy
- Problem solving involving bounds

Proportionality and Graphs

- Calculating with quantities in direct and inverse proportion
- Graphs of quantities in direct or inverse proportion
- Translations and reflections of standard graphs

Parents and carers can book places through the **HfL CPD Hub** at cpd.hertsforlearning.co.uk

For more information regarding these workshops, please contact: training@hertsforlearning.co.uk or call **01438 544477**.



01438 544464
hertsforlearning.co.uk



PILATES FOR TEENS



**FREE
taster
session
27th
March**

**30th March | 31st March | 1st April
11AM - 12PM
£42**

Via Zoom

To book visit:

www.sashasdanceandpilates.co.uk



Yoga for Teens

**Online course during Easter holidays
Tues, Weds, Thurs 30th, 31st March &
1st April 5-6pm**

**Free Zoom
introductory
session Saturday
27th March 4-5pm**

Email mindtheyoga@gmail.com



Community News

Playing Out St Albans District is a community project from the local charity Sustainable St Albans working in partnership with St Albans District Council. The scheme allows residents to apply to close their road to through traffic up to 8 times a year for play and community building. We are working with St Albans District council to encourage residents to apply for this on their own streets and reap the community benefits it brings.

They are holding free information sessions on zoom in April. All residents are invited if they are interested in finding out more about the scheme. Please click on the image below for more information or on the image right to book a place.



Playing Out

Free Playing Out Information Sessions

Make your street a place to play

Monday 19th April, 10.30am or Wednesday 21st April, 8.00pm

on Zoom

Book via <https://playingoutstainfo.eventbrite.co.uk>

Find out how to apply to open up your street for play and community building up to 8 times a year at this free, informal zoom session with the Playing Out St Albans District team

www.sustainablestalbans.org/playingout | playingout@sustainablestalbans.org

St Albans City & District Council HCF

Sustainable St Albans
Registered charity no. 1173118

WATFORD TOWN CRICKET CLUB

JUNIOR CRICKET SECTION AGE 6 UP TO 16



Come and join our junior cricket section as we start a very exciting phase in our club's history, we now have a brand-new pitch and a brand-new clubhouse to come too.

Come along for a free taster session on Sunday 18th April at our Home Ground at Woodside Playing Fields WD257HH from 10am until 12pm we are looking for boys and girls from ages 6 to 16.

For more information please contact:

Gavin on 07957446866 gavinhornet@aol.com or

Andy on 07901000495 canning199@btinternet.com or

visit our website watfordtowncricketclub.com





The Marlborough Science Academy

Select us as your Coopcause



The Marlborough Science Academy PTA has been selected to take part in the Coop Local Community Fund. This is an excellent fundraising platform for the PTA with the support of the Coop. So we need your help to support the fund.

1. Please become a Coop member using this link membership.coop.co.uk/causes
2. Select The Marlborough Science Academy PTA as your local charity to support
3. Swipe your Coop card or QR code [Coop App](#) every time you shop at the Coop

This will add to the fundraising for our PTA

We're part of the Local Community Fund

When members buy selected Co-op branded products and services, the Co-op will give local causes a helping hand. Go online coop.co.uk/membership

When members buy selected Co-op branded products and services, 2p for every pound spent goes to our members and we'll split the same between like minded organisations and local causes. Co-op members will then be able to select from time to time which local cause they want to support. For full T&Cs please visit coop.co.uk on how this is calculated.



Term Dates

Spring Term 2021

Monday 4th January 2021 to Friday 26th March 2021

Half term

Monday 15th February to Friday 19th February 2021

Summer Term 2021

Monday 12th April 2021 to Friday 16th July 2021

Inset day - Friday 14th May 2021

Half term

Monday 31st May 2021 to Friday 4th June 2021

Autumn Term 2021

Monday 6th September 2021 to Tuesday 21st December 2021

Half term

Monday 25th October to Friday 29th October 2021

Inset Days - Thursday 2nd September 2021

Friday 3rd September 2021

Occasional Day - Friday 19th November 2021

Spring Term 2022

Wednesday 5th January 2022 to Thursday 31st March 2022

Half term

Monday 14th February 2022 to Friday 18th February 2022

Inset Day - Friday 1st April 2022

Summer Term 2022

Tuesday 19th April 2022 to Wednesday 20th July 2022

Half term

Monday 30th May to Friday 3rd June 2022

Bank Holidays - Monday 2nd May 2022

Thursday 2nd June 2022

Friday 3rd June 2022

If you have any questions and are not sure who to ask
please click here for the [general enquiry form](#)



Marlborough News

www.themarboroughscienceacademy.co.uk

An official publication of The Marlborough Science Academy Ltd,
Watling Street, St Albans, Hertfordshire, AL1 2QA #08003969
01727 856 874 | www.themarboroughscienceacademy.co.uk

Please contact admin@marlborough.herts.sch.uk for any
information regarding the content of this or future publications.