

HIS_

DIGITAL

ISSUE 10

DECEMBER 22

Computer Science

Learning & Teaching

Fundraisers

Maths Week

EVOLV3

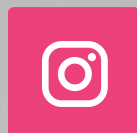
FOHIS

F1 in Schools

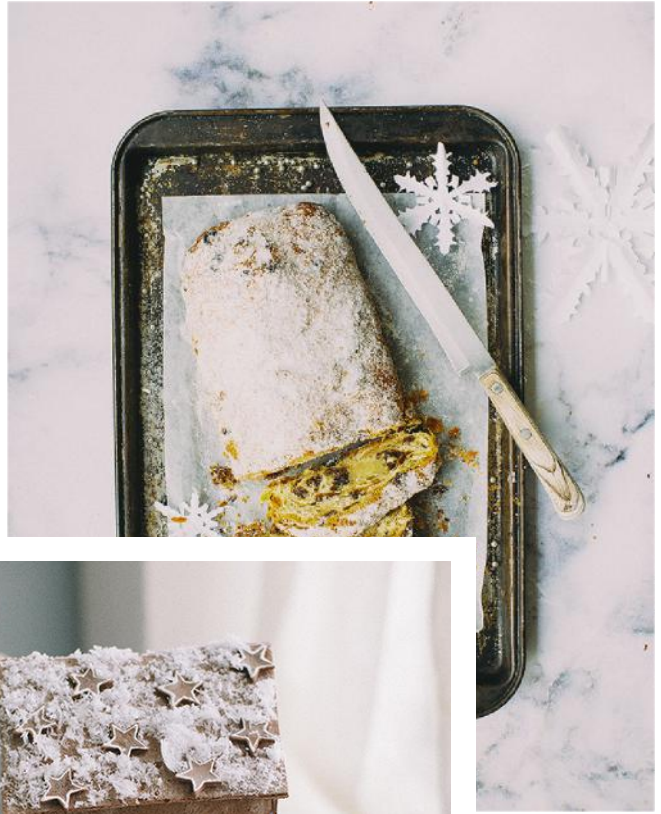
Evolv3

UAE National Day

Women in STEM



Winter Edition



Editors Note



Where did that term go!

Students, staff and our community have been involved in many wonderful learning and teaching experiences and we are so pleased to share this with you as we head into our winter vacation period.

In this winter edition of HIS_Digital, you will find features including Computer Science and Hour of Code, School Visits, Maths Week, Sail GP and more!

As always, if there is any content that you would like to feature, please do get in contact with me at zareef.petkar@hisdubai.ae. Myself and our Student Digital Leaders would love to hear from you.

I hope you enjoy the interactive viewing ahead and we look forward to sharing more publications with you throughout 2023.

Stay safe, keep smiling, have a great winter break and wishing you all a happy new year!

Best wishes,
Mr. Petkar

Head of Digital Learning Technology & Innovation.





HIS LEARNING AND TEACHING BUZZ

Let's continue to be the best at getting better!

Continuous improvement is
better than delayed perfection.

Mark Twain

WALKTHRU Focus: Make Everyone Think



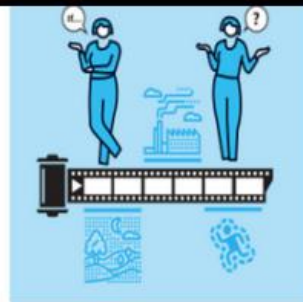
ACTIVATE PRIOR
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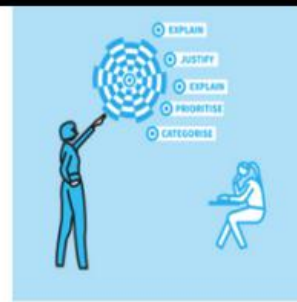
STIMULATE SCHEMA-
BUILDING



SYSTEMATICALLY INVOLVE
ALL STUDENTS



USE NARRATIVES AND
CONFLICTS



EMBED THINKING GOALS
WITHIN TASK GOALS

Learning that encourages thinking for everyone...

Pictures speak a 1000 words

Try what do you know, see, think and wonder using an engaging image to promote thinking.

Odd One Out

Students to discuss and explain which is the odd one out. This could be done with:

- *words *numbers *pictures
- *characters *themes *people
- *topics *techniques *ideas
- *calculations *sentences

Critical thinking Vocabulary

Use verbs such as create, analyse, evaluate with your students to co-construct Learning Objectives that make them think throughout the lesson.



Student Talk

Offer sentence starters and key words for students to engage in peer discussion quickly and effectively.

Broken Model

Offer an alternative model example that is broken. Get students to use their knowledge and thinking skills to fix it then explain **how and why** they did it.

Transformations

Encourage abstract and creative thinking by asking students to transform something to something else. It could be...

Character into a **colour**
Research into **symbols**



Thinking Fortnight at HIS...

During Term 1.1, *Thinking Fortnight* provided teachers with the opportunity to work collaboratively with their colleagues to discuss, develop and reflect upon our new whole-school WALKTHRU: 'Make Everyone Think.' Through learning walks, peer-observations and feedback, staff have had the tools to really improve the thinking of every learner at HIS.

Here are some great examples of '**Make Everyone Think**' across the school...

Year 3



Year 3 have embedded *Visible Thinking* routines into their lessons. At the start of lessons, ALL children have to crack a code to discover what they are learning about.

Contact Lauren Gage for more info!



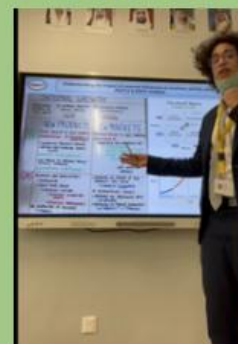
Secondary Science

In Y7 Science, students have been creatively demonstrating their understanding of cells in an abstract, thought-provoking way that offered opportunities for peer collaboration and challenge.

See Brogan McKelvie for more info!



Post-16



In Business, students have been exposed to Socratic questioning and opportunities to present their learning to peers to consolidate topics. **See Ciaran Donnelly for more info!**

Year 1



Year 1 have explored *Kagan* techniques to support children with thinking and collaboration in the classroom. **Contact Julie Jackson if you would like more info on Kagan Strategies!**

FS



FS children have been using 'loose parts' within Continuous Provision to promote critical thinking through open ended play. Children have been using '*Think, Pair, Share*' in the classroom to ensure ALL children have opportunities for high quality thinking and talking each day.

Type of Question	Examples
Questions that require clarification	Why did you say that? What does that mean? How does this relate to your earlier statement?
Questions probing assumptions	Can that statement be validated? What beliefs are assumed here? Might there be other agendas involved by those who are making these claims?
Questions probing reasoning and evidence	What do you think the causes are? And why? Is there any evidence or facts that support this? How complex is the issue?
Questions probing perspective	Is there another way to look at this? What are the arguments to the contrary, if any? Can you provide an overall rationale?
Questions probing implications	What consequences can you see arising? Can a generalisation be made?
Questions about the question	Why is this question relevant? What does this mean in practical terms?

LOOKING FOR MORE?

READ THIS:

Blog:
Brilliant Questioning Sequences



LISTEN TO THIS:

Podcast:
Real World Resources For Teachers



ATTEND THIS:

NEW BSME Webinar



Everyone Counts. Everyone Contributes. Everyone Succeeds.

COMPUTER SCIENCE



Muqtada, Year 10

After a short hiatus, Computer Science has returned to Horizon International School with a large cohort in Year 10 taking up the option for iGCSE and year on year increase for iALevel IT.

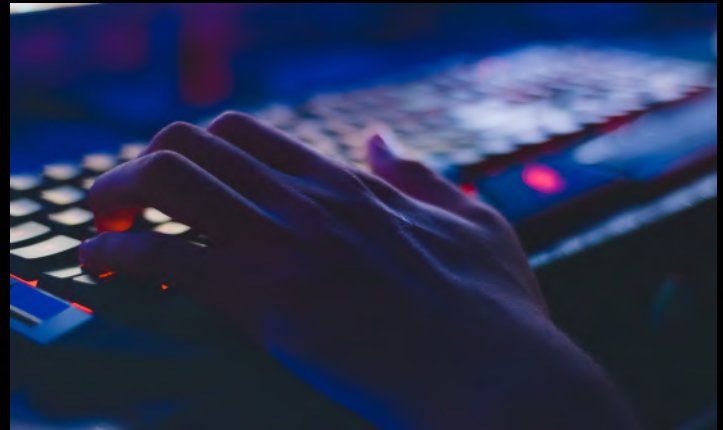
The enthusiasm and passion coming through from students is so encouraging to see and the journey to reigniting Computer Science is in full flow across the school with early indications of another full iGCSE class offering in 2023/2024!

"A degree in computer science can open countless pathways in the future and these pathways only increase as time goes by and technology evolves. Some of the opportunities that present themselves are: working as a software engineer/developer in a company like windows or Apple, if that's is not something you would want and would rather work on your own terms; some experience can equate to working in the freelance market. In my opinion, as technology becomes imbedded more and more in our lives, more high paying jobs open up that can be easily accessed by some experience with computer science." Aly, Year 10

"This year in Computer Science we started off learning about algorithms design and programming. This included writing algorithms, flowcharts and pseudocode.

We studied the components of them and how they worked and how they are applied practically in businesses today. To further grow our knowledge, we created examples for each one and we would include different items like subprograms or different operators. for example: logical, arithmetic or relational operators.

y using everything that I have mentioned it has helped students become more educated and informed. At the start of each lesson , Mr Petkar would give us an outline of the topic before he dives into the lesson. Multiple questions and challenges are used to test our knowledge and to help us grow." Ethyn White Year 10



"We learn about computer science in class in a range of ways. One way we do this is by interactive educational games and quizzes that test our previous knowledge on each topic - this helps increase retention of the topics and lessons we are taught and helps us remember key terms and vocabulary that is needed to achieve a high standard. Additionally, we attempt previous exam questions of different levels of difficulty in order to process different ways to write exam answers that fit the A01, A02, A03 & A04 criteria.

I picked computer science as a GCSE option for a few reasons. Firstly, I picked this subject because I believe it will benefit me in the future as technology is starting to become bigger and better, and many jobs in the future will require technological knowledge. Additionally, there are many skills you learn in computer science; Application of knowledge, resilience while creating algorithms and code, thinking efficiently and smartly. These are all very beneficial skills that can be applied to any subject you take in the future." Yara Mcdonald, Year 10



As we approach the end of Term 1, FOHIS has been busy preparing for its annual Winter event.

After 2 years of in-school activities because of the pandemic it finally will again be celebrated on the field. We have a jam-packed program including performances by our talented students, there will be a winter market selling festive items, there will be games and arts and crafts stalls, not to forget the sausage sizzle, the FOHIS cafe and the hot chocolate stand, and the FOHIS



Raffle team managed to get exciting Raffle prizes for young and old.

Some photos of the pre-Winter Jingle buzz...because one can never have enough decorations?!





**Velocita, is now in the Professional Category of F1
in Schools and we are looking for a new selection of sponsors!**



If you are interested, contact the email below:

[Email: velocitaf1.his@gmail.com](mailto:velocitaf1.his@gmail.com)

We look forward to hearing from you!

MATH WEEK

As part of our commitment to ensuring that we provide a holistic education and challenge our most able students we have launched the Maths Leadership and Enrichment Academic Pathway (LEAP).

The aim of the Maths LEAP is to provide opportunities, resources and encouragement for our most able mathematicians to challenge themselves, explore Maths beyond the traditional curriculum and develop their qualities as leaders and role models.

Throughout the course of the academic year students accrue LEAP points for a variety of activities. These activities include wider reading/watching, engaging in problem solving, attending events, participating in competitions, educational visits, gaining additional qualifications and more significant social contributions such as mentoring other students and planning/leading events.

Here are some examples of some of the contributions and achievements of our LEAP students.

Secondary Maths Week this year was organised and led by some of our Maths LEAP students.

"Maths week this term was a remarkable success! We had the whole of our secondary school take part in a mental Maths event having qualification rounds; the final round was held during a secondary school assembly where 3 students from each year group would go head-to-head in an intense Kahoot tournament and all students were extremely supportive of one another. For the remaining days, we had a Guess-the-Mathematician event, where each day a different clue was being released and a wheel would be spun at the end of the event to reveal the winner. On the whole, this was a magnificent event and sparked curiosity in all students" - Hana, Year 9

"Maths Week in Primary was a joy to organise. We aimed to inspire an enthusiasm for Maths in the students, whether they were the best mathematicians in the school or Maths was their worst subject; and I think, for one week at least, we managed to create a school-wide fascination with mathematics, offering a glimpse into the average lives of hardcore Maths nerds. Across the entire week, we organised Maths-themed games, quizzes, challenges and activities for the kids to try and make the subject engaging, fun, and to prove how extraordinary Maths truly is. Mathematics is a beautiful subject if you just give it a chance. We provided videos, quizzes, and games to show some of the joy of Maths, and the beauty it has. The students produced some stunning work from this week, and I hope that we swayed a few of them over to enjoy Maths and see how intricately it works around us. We aimed to invoke curiosity and passion in the kids, but most of all, we wanted it to be fun for them. The response we got was more than we expected. I think we achieved just that; making mathematics fun for all. Overall, Maths Week was a great success!" - Academic Scholar, Year 8

Mathematics
Leadership & Enrichment
Academic Pathway



PINK DAY

After nearly years, today we have been able to gather the school community and hold an aerial photo in acknowledgement for Breast Cancer Awareness Day. We had almost join us for this special moment.

During this day, we asked the students to come dressed in pink and bring in a donation towards the Al Jalila Foundation (Permit nr: PRHCE-000344232).

Foundation Stage children held their own enterprise, where the students made pink necklaces, photo frames, biscuits and salt dough handprints and sold these to their parents.

We are very proud of our tremendous community and look forward to sharing the total amount raised, once all donations have been collected and counted.

We are delighted to share with you that this year we have raised the highest amount our wonderful students have ever raised on a PINK DAY

Congratulations everyone for your efforts and hard work in setting HIS to this incredible milestone and definitely a goal to beat next year.

Thank you for all your support

Total amount raised: 23,000 AED



SAIL GP


115 of our Secondary students from year 7 to 12 attended the Sail GP inspire learning programme, at the new Mina Rashid Marina. The students invited shared a passion for sailing, strengths in creative thinking and design, innovation and science STEM activities.

It was a fantastic morning with a variety of fun, engaging activities designed to challenge their critical thinking and problem-solving skills. The explored the effects of natural forces linking this to boat design.


The highlight of the day was when they had the opportunity to apply their knowledge in a practical sailing session on the water. It was a beautiful morning with perfect sailing conditions which everyone enjoyed.

For anyone interested in pursuing an interest in sailing please check out the sailing programmes at Mina Rashid Marina. I also encourage you to please check the big Dubai Sail Grand Prix race at the weekend on Saturday and Sunday at the P&O Marina, it is the first of its kind in Dubai and should be a great watch.







EVOLV3 Sail GP INSPIRE PROGRAMME



Copy link



Watch on

 YouTube

MUSEUM OF THE FUTURE



During this half term, Year 9 visited the Museum of the Future as part of their scheme of work on The Hunger Games and exploring dystopian fiction.

The museum provided us with plenty of new ideas about how the future is presented in different ways. Additionally, we began to make direct links to the Hunger Games, especially as some areas of the museum were extremely similar to the Utopian setting of the Capitol in the novel!

It was a fantastic trip enjoyed by all - Year 9 are now excited to see if Part Two of The Hunger Games has any similar settings to other areas of the museum!



Dear Parents,

I am sure, like me, you have all been impressed by the campus upgrades that took place over the Summer; upgrades that included the Library, Key Stage 1 classrooms and corridors, the whole of the Secondary School and the Astroturf.

I am thrilled to announce that we have recently had approval for Phase 2 to be undertaken during the upcoming Winter Break. Within Phase 2, all Key Stage 2 classrooms and corridors (Year 3 - 6) will be upgraded.

Watch this space for our further developments and see the videos below for a reminder of the Phase 1 upgrades.

Mr. Quinn

Vice Principal / Head of Primary.



HIS New Learning Environment Enhancements September 2022

HIS_Digital



A window into our learning environment enhancements

September 2022



01:32



vimeo



Kidzink Horizon

HIS_Digital

00:44



vimeo

DUKE OF EDINBURGH

The 11 students currently pushing their boundaries and finding their independence by partaking in the Duke of Edinburgh Award showed they have true grit, determination and a drive to work as a team.

The motivation required from every member of the team to hike through sand dunes, salt reservoirs and across rocky terrain pushed them both physically and mentally. Surprising each and every one of them with what they are truly capable of when they put their minds to it. As a practice event this was a huge learning curve for all participants, but it left them with a sense of determination as they prepare for their Qualifier.

Well done to everyone!



BCC CURTIN CHALLENGE

The Business Cup Challenge (BCC) is a unique platform that brings together the finest students and brightest business ideas throughout the world. BCC was introduced in 2011 by Transnational Academic Group through its partner schools and has increased in popularity each year.

The BCC launches students into the business world at a young age. In this competition, students are required to review and implement real-life business plans, analyze crucial business situations, and present a case to an academic and professional panel.

High school and university students will also get the opportunity to work as part of a team, in a competitive environment, using their critical-thinking and problem-solving skills and business acumen.

This year the Business Cup Challenge will focus on Sustainability and its use in businesses.



**CURTIN DUBAI
BUSINESS CUP
CHALLENGE 2022**
SUSTAINABILITY



UAE CULTURE WEEK & NATIONAL DAY

This term the students showed a lot of engagement and culture based learning in Arabic.

They enjoyed the Arabic week with many different activities about the Culture of The UAE and heritage, they also had great opportunities to explore and enrich their book shelf with more Arabic books from the Arabic book fair.

We ended the week with UAE National Day celebration assembly, the students show off their talents in different performances such as reciting Arabic Poems, Dancing and a play.



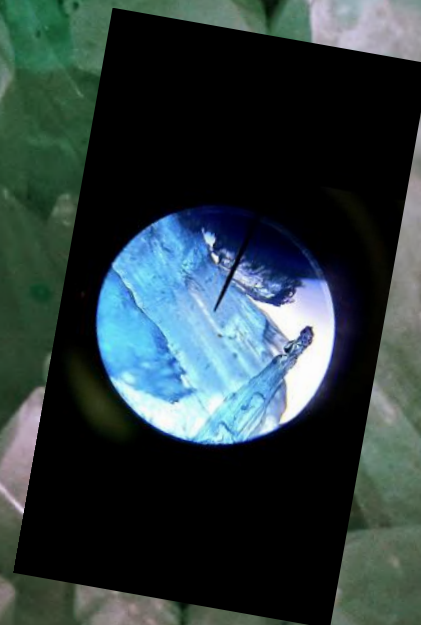
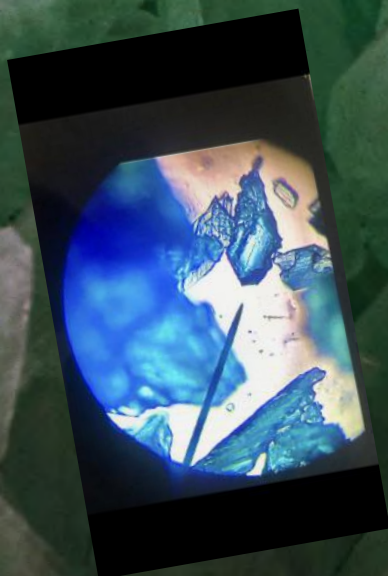
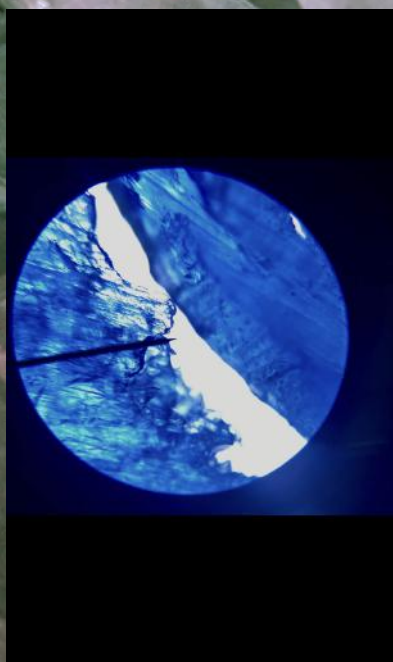
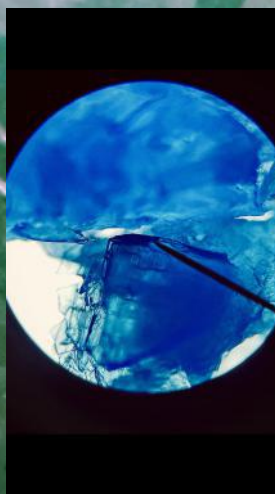
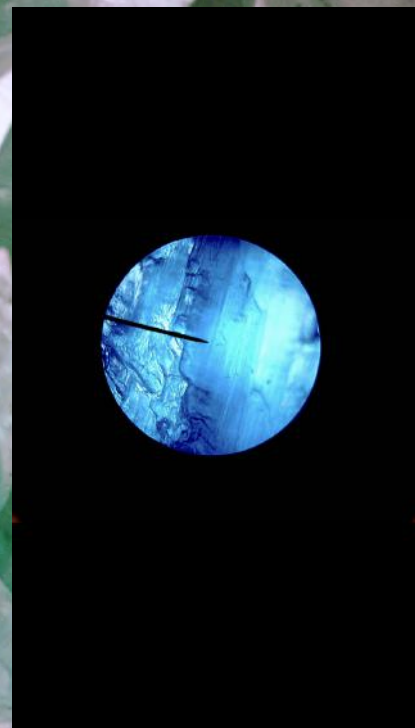
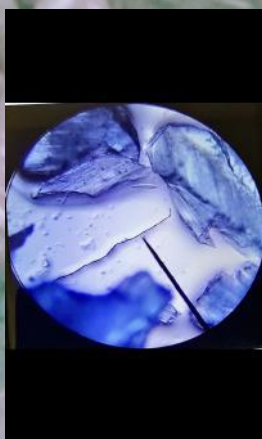
SCIENCE

The year 7 students were tasked with creating their very own crystals as part of the separating mixtures topic.

The process was practically demanding, and they had to use a variety of separation techniques to produce these crystals. After 1 week the results were amazing!

The students looked at their crystals through the microscopes and took some fantastic photos!

Well done 7W!



PAKISTAN FLOODS APPEAL

The whole community gathered for a Secondary Students-led Pakistan Floods Appeal event.

It was a non-uniform day and the students came dressed in green or white and brought in a donation towards the الهلال الأحمر الإماراتي UAE Red Crescent (Permit nr: PRHCE-000365503).

Total amount raised: 9642.25 AED





ENRICHING PEOPLE, ENHANCING POTENTIAL, BECOME EXCEPTIONAL.



The EVOLV3 programme is now in its fourth year and continues to provide a broad curriculum of innovative, enriching opportunities for students who show passion and promise. A selection of our most passionate artists and media studies students were identified and invited to take part in our most recent EVOLV3 workshop focusing on enhancing their photography and videography skills. The competition format created some friendly rivalry with everyone searching for a winning shot.

The event was held on Sunday 30th October 2022 and all competitors were supported on the day by Nick Arundel a professional photographer and videographer who works closely with Canon and leads the Ignite Create Academy. Nick kindly shared his knowledge, experience and provided Canon cameras for each student. They learned advanced photography techniques including the exposure triangle, shutter speed, aperture, using ISO lighting sensors, composition, shooting landscape, portrait and gained an appreciation for the 'golden ratio'. Some media studies students chose the option to create a highlights video of the day and captured some fantastic footage which we will share once the competition is completed.

After the initial briefing and demonstration, we travelled by bus to Al Bastikiya for a cultural experience and creative photo shoot. We moved around the area absorbing the culture, interesting buildings, natural light and shadows, atmospheric light, the people and wildlife always looking for an eye-catching shot. It was a very creative and calming experience, with everyone engaged and fully engrossed in their surroundings.

Each student now has one week to select their best 5 photographs, edit and submit them to the judges who will deliberate and choose the winners. The student with the winning photograph will be presented with a brand-new Canon camera and the runners up will win four tickets to the new exhibition at the Theatre of Digital Art at the Souk Madinat Jumeirah.

Additionally, we will also create an art gallery within the art corridor with best photos. Finally, all the students involved have been invited to a free three-hour sports photography class with Ignite Create Academy at the Dubai Rugby 7s on Sunday 22nd November from 9am to 12pm.

Once we have selected the winning photographs, we will share them with you. However, here is a short highlights video of the day to help you get a feel for the day.



WOMEN IN STEM



The QR code leads to MathCast, which is an all-girl Maths podcast.



Hana Farag, Year 9

"Women have often been excluded from the enthralling and fascinating world of STEM, for no true reason. This prejudice is a terrible thing that is restricting us all. For too long women have been perceived as less mathematically, scientifically, and logically adept as men. Even today, women and girls with fabulous minds shy away from STEM subjects, having less confidence in their ability than men worse at maths and science than them. As a young woman, I often never truly gave myself to STEM classes when I was younger, practicing them in secret. But as I've grown, I've realised my talent in those subjects, and I think I can now blossom. I'm part of a Math Podcast, I'm attending Maths Leap, I organised Primary Maths Week in school, I've scored Gold on the Maths Challenge; I'm flourishing and dreaming of a future in STEM. We would not technologically be here today without the sweat and genius of countless women, whose voices have unfortunately been erased from history. Our voices, the girls of this generation, will not be erased. If you love STEM, get out there and say it! I've opened up about my adoration of science and tech and, most of all, maths. And people have accepted it more than I expected. I am now the most open lover of STEM you will meet. We need more STEM-lovers to bloom. Boys, push girls in those fields. Show them they can do it. Girls, never be afraid to try. Read about it, talk about it, share your success. Because the women scientists, programmers, mathematicians and engineers of the future are not going to be erased. We are going to be heard. And we are going to be heard now." Academic Scholar, Year 8

Women make up only 28% of the workforce in science, technology, engineering and math (STEM), and men vastly outnumber women majoring in most STEM fields in college.

The gender gaps are particularly high in some of the fastest-growing and highest-paid jobs of the future, like computer science and engineering.

What is the importance of Women In STEM?


"A thing that can be off-putting about getting into a career in STEM is that there are not many women. That can seem quite intimidating - even though it's easy to make friends with people of any gender, sometimes it's reassuring to be able to chat to someone who might have similar experiences to you or even just looks like you."

"You can also make the industry better! Only seeing things from one point of view means you don't get the whole picture. By encouraging more women to join the industry, they can use their unique lived experiences come up with exciting new ways to innovate and think about solutions to problems that others might not consider."

Kenzy Zakaria, Year 9



Zara Khan, Year 8 | Chloe Da Costa, Year 8 | Bassant Hasan, Year 12

A white starburst graphic in the top left corner.

Today you are
YOU,
that is truer
than true.

There is no one alive
who is YOUER than
YOU!



Dr Seuss

HIS Uniqueness Day
2022

A white starburst graphic in the bottom right corner.

THURSDAY TIPS & TRICKS

To make sure inclusive practices remain a key focus in our learning & teaching across all stages of the school, the ACe team have introduced an initiative called Thursday Tips & Tricks. Staff & Parents are sent a short video and information from a member of our Inclusion Support team or one of our partnered external agencies to help inform different inclusion topics.



Achieve Goals, Create Opportunities,
Explore Possibilities

Dyslexia in the classroom

Miss Reilly- Head of Inclusion. Due to feedback from teachers who were struggling to support students with Dyslexia, Miss Reilly discusses easy tips and tricks for supporting students with Dyslexia that can be implemented in your classroom

Students with slow processing speed in the classroom

Miss Whitney- Inclusion Teacher. Due to an increased number of referrals and concerns around slow processing speed, Miss Whitney provides and insight into the best way to support students with similar concerns in the classroom.

Speech Language & Communication Difficulties

Mrs Buckley- Assistant Principal. Due to an increase in students displaying difficulties in this area, so we felt it would be best that everyone is reminded of the different categories of SALT and provided with some tips and tricks to support students within the classroom.

Creating a Sensory Friendly Classroom

Miss Whitney- Inclusion Teacher. Due to teacher feedback about wanting to know more about supporting students with sensory needs, Miss Whitney provides and overview of how best to create a sensory friendly classroom for this academic year.

Fine Motor Skill Activities

Miss Kevina- External OT. Due to an increased amount of referrals and concerns regarding fine motor skill difficulties especially in KS1 and FS, Kevina shared some short and simple activities to help support this. Links and reading were sent to upper Primary and secondary to help support this area of school also.

Using technology to support SEND & ELL students in the classroom

Mr Zareef Petkar- To help enhance our SEND & ELL provision within the classroom, Mr Petkar will be discussing some simple technology apps and tools to help supporting teaching all students in the classroom

How can we support students with ELL?

Miss Reilly - Due to an increase in new ELL students and to follow on from our ELL Spark session, Miss Reilly will discuss the best practices for creating a language rich classroom



MOHAMMED BIN RASHID LIBRARY

@his_primaryenglish Year 2-6's trip to the Mohammed Bin Rashid Library!

Safe to say the children were left inspired with one out of Year 2's saying he wanted to work in the library when he grows up. ♥

Thank you to Miss Heffernan for leading this trip!



