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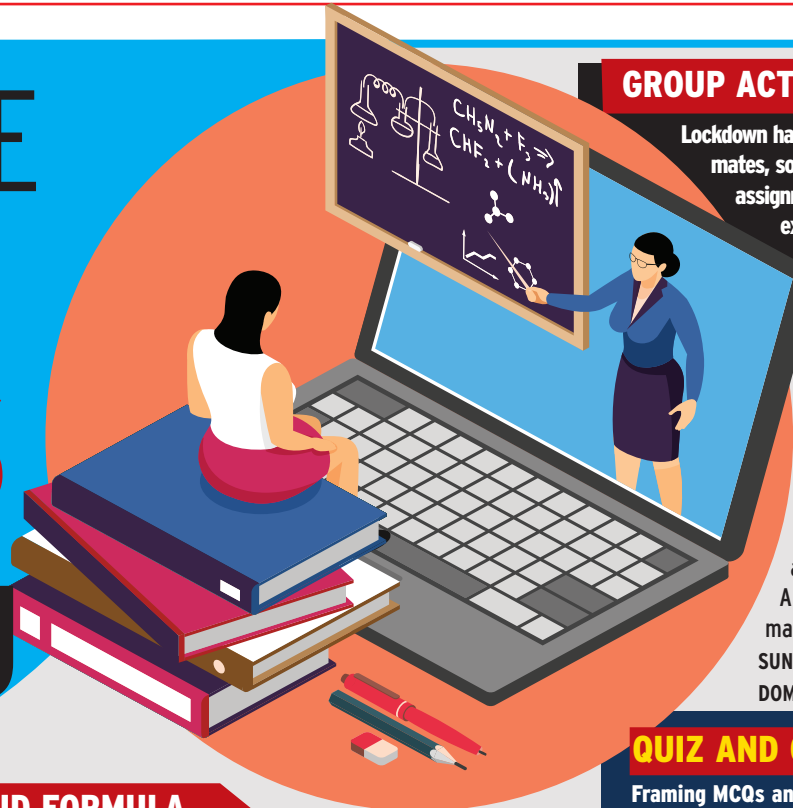
STUDENT EDITION

TUESDAY, AUGUST 4, 2020



WEB EDITION

HOW TO MAKE ONLINE CLASSES interesting



With online classes becoming the new normal, teachers are coming up with innovative ways to make virtual classes more engaging and fun. In fact, a kindergarten classroom in Kerala's Malappuram district has added a new dimension to learning for children. **Shyam Vengalloor**, a social science teacher at the AEM AUP School has introduced augmented reality (AR) by bringing in elephants, tigers and the solar system to the online classes. Using green screen, Gif (graphics interchange format) images and several apps, Shyam has created an AR for the class by superimposing graphics, audio and sensory enhancements. So, how can virtual classrooms be made more creative? Educators share tips. Read on...

PYRAMID FORMULA

Ask students to work on the pyramid formula. Students need to draw a pyramid, and write three things they learned from the online class; two things they thought were interesting; and one doubt that they want clarified.

SMITA GHOSH, COUNSELLOR, ANAND NIKETAN, AHMEDABAD

JUST A MINUTE

Pick sub-topics from a chapter, and note them down. Then, pick one bit randomly, and ask a kid to explain that sub-topic in a minute. Do it in turns. This will create a curiosity among the students; they will wait for their turn, and making them more attentive in the class. Every day, five topics for five students can be picked up randomly.

RITU CHAUHAN, PRINCIPAL, MANIPAL INTL SCHOOL, BENGALURU

GROUP ACTIVITY

Lockdown has deprived the children of social bonding with their classmates, so give them activities, including group presentations and assignments; it will promote interaction, and enhance the learning experience. Besides, it will give them a feel of a normal classroom, and boost their mental health

MAYA M, IN-CHARGE PRINCIPAL, KV, PANGODE, THIRUVANANTHAPURAM

IMAGE LEARNING

Before starting a chapter, collect colourful and bright images related to it. For biology, it could be diagrams, for history, it could be the image of an event/leader/object. Show the image to the children and ask them to label it and write two lines about the event. Alternatively, show a couple of pictures, and ask them to make a sequence.

SUNANDA NAIR, TEACHER, ST THERESE CONVENT HIGH SCHOOL, DOMBIVLI EAST, MUMBAI

QUIZ AND CONTEMPORARY CONNECT

Framing MCQs and sharing with the children, and linking the chapter content with contemporary events helps in facilitating learning. For example, as a history teacher, I created a comparison between self-reliant India during the partition of Bengal with the 'Atmanirbhar Bharat' of today and it worked!

JYOTI TOMAR, PGT, HISTORY, THE HPS, BEGUMPET

MEMORY GAME

Use flashcards/ picture cards for different subjects. Prepare cards related to the chapter, show the cards to the students; and ask them questions related to the cards shown. This is a beautiful way of engaging all students. Discussion board with small learning team cohort is an interesting tool too.

BRATATI BHATTACHARYYA, SECRETARY-GENERAL, SHRI SHIKSHYATAN FOUNDATION, KOLKATA

PM ASKS STUDENTS TO COME UP WITH INNOVATIVE CONCEPTS

Prime Minister Narendra Modi has asked students to prepare innovative models and forward them for their use in a big way. Following an interaction with a student in Coimbatore virtually, after she came up with a model on embankments during the Smart India Hackathon (SIH), the PM asked her to make her presentation before the authorities concerned.



- 1 M Shwetha, a IVth year student of MSc, Sri Krishna Arts and Science College, has developed a model of an embankment, and how the replica could help prevent loss of life and property, if there were a breach
- 2 An embankment is the soil on the periphery of the natural water bodies that protects people from any water overflowing into the adjacent areas. If there is a breach in the embankment, it can cause loss to life and property. This danger can be warded off, if it is known when the next breach is going to occur, Swetha said
- 3 With the help of machine learning, students can study the breach pattern and predict it, and support the government in taking preventive measures
- 4 Support of the local residents in taking photographs of embankments, and uploading them on the portal, along with information of breaches can help avert natural disasters in time, Swetha said

YOUR CORNER DO YOU HAVE ANY INNOVATIVE CONCEPTS? SHARE YOUR PROJECTS AT

TOINIE175@GMAIL.COM/
TIMESNIE175@GMAIL.COM

MUSIC SHANKAR-EHSAAN-LOY GEAR UP FOR VIRTUAL MUSICAL EVENING

Composers Shankar-Ehsaan-Loy will headline the Bandish Bandits virtual concert on August 5. The virtual music concert will be hosted around the launch of musical web series, 'Bandish Bandits', a show that marks their digital debut. The concert features acts by Armaan Malik, Jonita Gandhi, Prateek Kuhad, Shivam Mahadevan, Mame Khan, Ravi Mishra and Pratibha Singh Baghel.

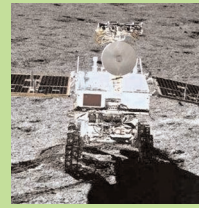


The virtual musical extravaganza will be open for all, and will stream live on Amazon Prime Video's official Facebook and YouTube page
 'Bandish Bandits' is set in Jodhpur, and the show tells the story of Radhey and Tamanna, two young musicians hailing from contrasting backgrounds. Radhe (Ritwik Bhowmik) is a singing prodigy determined to follow in the classical footsteps of his grandfather (Naseeruddin Shah), while Tamanna (Shreya Chaudhry) is a rising pop sensation desperate to become India's first international popstar.

NEWS IN BRIEF

CHANDRAYAAN-2 ROVER INTACT?

Space enthusiast Shanmuga Subramanian, who found the debris of India's moonlander, Vikram has said that Chandrayaan-2's rover, Pragyan, seems to be intact on the Moon's surface, and had rolled out a few metres from the lander. In a series of tweets along with the pictures of the Moon surface, Subramanian said, "The white dot seen in the picture captured by NASA's Lunar Reconnaissance Orbital (LRO), might be the skeleton lander devoid of other payloads, and the black dot might be the rover. "Our experts are analysing the same," K Sivan, Chairman, Indian Space Research Organisation (ISRO), said.



SPACE

WHY PRAGYAN SEEMS TO BE INTACT

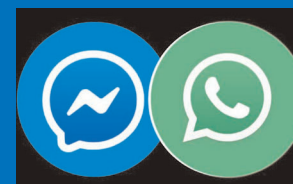
"It seems the commands were sent to the lander blindly for days and there is a distinct possibility that the lander could have received commands and relayed it to the rover but the lander was not able to communicate it back to the Earth," Subramanian said
 There is also a possibility of the rover rolling out of the lander, when it impacted the Moon's surface, he added

Vikram lost contact with ISRO, following its launch from Chandrayaan-2 moon orbiter on Sept 6, 2019, when it tried to make a softlanding near the Moon's south pole
 On July 22, 2019, the GSLV rocket, nicknamed 'Bahubali', blasted off from the second launch pad in Sriharikota, Andhra, carrying Chandrayaan-2 Orbiter, Vikram (lander) and Pragyan (rover)

TECH BUZZ

FACEBOOK MESSENGER ROOMS QUIETLY ARRIVES ON WHATSAPP FOR WEB

In the next step to integrate its family of apps that are being used by 3.14 billion users globally, Facebook has integrated Messenger Rooms with the WhatsApp on the Web. People can now access Messenger Rooms, which allow group video calls of up to 50 people, via WhatsApp on the desktop. It will enable the users to connect with their friends and family via Messenger Rooms from their PCs and laptops. The Messenger Rooms integration is yet to arrive on WhatsApp on mobile.



FB launched the video conferencing tool Messenger Rooms in May to take on Zoom and other video platforms
 In FB Messenger Rooms, the users can post links in their News Feed or in Groups or event pages
 Rooms can be created right from the Messenger and gives people the ability to share links to invite anyone to join, even if they don't have a FB account
 The social networking giant has also introduced a new tool for users to broadcast live to FB from the Messenger Rooms.

Between WhatsApp and Messenger, more than 700 million users participate in calls every day. In many countries, video calling on Messenger and WhatsApp has doubled, since it began



Desi Math wizards who played with numbers



A movie based on the life of India's 'human computer', Shakuntala Devi, was released on an OTT platform recently. Take a look at some other Indian mathematicians, who came up with theorems and equations, making math seem like a mere number game...

1 SRINIVASA RAMANUJAN had almost no formal training in mathematics, but he made substantial contributions to mathematical analysis, number theory, infinite series, and continued fractions, including solutions to mathematical problems, considered unsolvable during his time. Ramanujan also independently compiled nearly 3,900 results. His original and highly unconventional results, such as the Ramanujan prime, the Ramanujan theta function, among others, have opened

The 2015 film, 'The Man Who Knew Infinity' is based on Ramanujan's life

up entire new areas of work, and inspired a vast amount of further research.

2 CALYAMPUDI RADHAKRISHNA RAO, an Indian-American mathematician and currently a professor emeritus at the Pennsylvania State University, is "a living leg-

end, whose work has influenced not just statistics, but has had far reaching implications for fields as varied as economics, genetics and anthropology."
3 RAJ CHANDRA BOSE, an Indian-American mathematician, is known for his work in design theory, finite geometry, among others. He also invented the notions of partial geometry, association scheme and strongly regular graph, and started a systematic study of difference sets to construct symmetric block designs.

Sunil Chhetri voted 2019 Asian Cup's favourite player by fans

SPORTS

Indian talisman Sunil Chhetri has been voted as the favourite player of the 2019 AFC Asian Cup by fans as he finished ahead of Eldor Shomurodov of Uzbekistan. Chhetri beat Shomurodov 51-49 in the poll, after trailing in the initial stages of voting. "19 days, 561,856 votes. The #AsianCup2019 favourite player has been decided. Congratulations Sunil Chhetri!" the Asian Football Confederation (AFC) wrote on its Twitter handle.

The 35-year-old Indian captain scored twice during the group stage of the Asian Cup in the beginning of last year. The poll was conducted by AFC on its official Instagram handle.

With 72 goals and 115 appearances, Chhetri is India's all-time highest scorer, and the most-capped player
 Chhetri, who was earlier named an Asian Icon by the AFC on his 34th birthday, is the second highest international scorer among active footballers, behind Portugal's Cristiano Ronaldo and ahead of Argentina's Lionel Messi



GREAT OUTDOORS

Learning life skills outside the class

Only the real, raw world can teach you real life skills

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Ronald Dahl once said, "The more risks you allow children to take, the better they learn to take care of themselves." What we and our parents have been doing on the contrary is happily fighting all the battles and solving all the problems for our children, to an extent of being accused of "raising a generation of deluded narcissists". Times are tough and the real goal of education today should be to equip students with life skills – emotional, social, survival – essential to meet the challenges of everyday life. And it is not possible to find these skills in a closed environment. Outdoor learning experiences help in developing reflective and inquisitive thinking along with problem-solving approaches in 'real' situations. And mind you, 'problem solving' is a 21st century essential.

Agrees Rahul Jagtiani, a travel show host who loves adventure and outdoor sports, "As an avid traveller,

I'm amazed how the lessons learned during my time spent in the great outdoors has played a crucial role in shaping my attitude towards life. Just a night spent camping overnight in harsh conditions in Antarctica taught me to appreciate the comforts we are used to. We had to shovel through three feet of snow and create our own 'bed' as the icy rain made it difficult for us. The experience taught me gratitude." His other snowboarding and scuba diving expeditions have been lessons in team spirit, determination and humility.

Well, this is why school summer and adventure camps came into being in the first place – to foster emotional intelligence, self-confidence, independence, healthy living, environmental awareness, learning, leadership and other skills that prove beneficial long into adulthood. "Rapid urbanisation and so-called development in cities has left no space for people to get the feel of the "outdoors". Kids

and teens especially need more movement than adults on a daily basis, they should not be sitting idle for more than 30 mins. Leaving the gadgets and walls behind, children must spend more time outdoors in parks, lawns, wood & beaches to uplift their spirits and learn more in life," says functional fitness trainer Gagan Aroora. He adds that outdoor picnics, hikes, sports and expeditions are a great way to develop many important attributes like decision making, leadership, self-confidence and bonding.



WHAT THE OUTDOORS CAN TEACH YOU

Adventure: By exploring nature and following a trail of your curiosity, you can discover hidden groves and areas where people don't often venture

Sensory Awareness: Your senses have far more potential than you presently use. Take some time to sit outside in nature, close your eyes and listen as far as you can hear

Sense of Direction: It's easy to get lost in the great outdoors. Nature will teach you to hold clear images in your mind and keep track of where you are going

Gratitude: Learning to

experience the gift of life through our senses in nature helps us to feel thankful for all the amazing things that we have in our world

Natural Consequences: Nature shows us that our choices in life have natural consequences. We learn to be on alert for what the weather is doing and take action to avoid unwanted consequences

Decision-Making: You have to think fast in order to respond effectively to what nature gives you. Make the choice to bring a raincoat or else you get soaked! **Thinking Out of the Box:** Children who play outdoors have a wider perspective of things around them and they can create their own original masterpieces with beautiful gifts of nature like mud, sand, wood and so on

PICS: ISTOCK



FAMILY TIME

RAGE OR NEGOTIATE?

Interacting with family is daunting. But if you learn to engage well, it'll go a long way to build the leader in you



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It may be the longest limbo of our lives. But what's adversity if we can't learn a few lessons to equip ourselves for the future. Thinking about exams, career prospects were usual worries every student grappled with till the beginning of the year. It's a whole new story today. The future has never seemed more distant. But you know the secret of something being distant? You think harder to get to your goal. And that time is now – and we do have plenty of it.

Psychologist Dr Sanjay Chugh says, "This ongoing pandemic, unfortunately, has put a brake on many of our plans and ideas. It has created a feeling of the unknown." So, how can we use our resources at hand, and use it to our benefit? The answer lies at home. While talking to members of our family, friends, teachers, we can hone our skills of negotiation.

Here's why it's important

Chugh says, "All of us have a primary need to feel in control. It is what makes us feel safe. While we know that nothing can be controlled

100%, we at least aim for about 70-80% of control to feel mentally at ease." One way to tackle this "in limbo" feeling is to actively bring back the feeling of control in some areas of your life. Start to engage, listen hard, think, negotiate and reach a consequence that works for everyone in the family.

Successful negotiation is not about getting to 'yes'; it's about mastering 'no' and understanding what the path to an agreement is"
Christopher Voss, author, former FBI negotiator

Here's how to go about it

There are two essential points to keep in mind.

1. Elders and older siblings, are together responsible for the outcome; 'together' being the keyword here.
2. It must be a win-win situation. That doesn't mean two sides get exactly what they want. It involves compromises on both sides to reach an acceptable solution. For instance, for an extra hour to talk to a friend or play a game, you can swap an hour's chore from your dad or mom.

BUILD YOUR NEGOTIATING SKILLS

Effective Listening: Listening is the most important skill to learn for healthy communication. Be empathetic to how people around you are feeling.

Create room for give and take: The aim is to find a middle ground to any problem. The keyword here is cooperation. Both sides need to walk a few steps, get out of their comfort zone to meet each other half way.

Team work: The effort to find a balance needs to be collaborative. Both parties need to feel equally engaged. No one can be forced or manipulated to do chores. Let the effort come out from a spirit of partnership.

Setting clear roles: Check what responsibilities you'd like to take at home – cleaning rooms, washing utensils, watering the plants, helping in the kitchen.

Problem solving: Separate the person from the problem. A solution is not possible till you are annoyed or angry with any member of your house.

Penalties: Discuss penalties from before so that there is no bargaining and manipulation later.

– DR SANJAY CHUGH, psychiatrist

MONEY MATTERS

Start your financial literacy

Most – if not all – parents start financial planning for their kids even before they are born.

While it's a good thought, the truth is that if the child is not financially savvy, planning can be pointless. Financial literacy has become a key survival skill for the times ahead. A child, it's said, starts understanding the concept of saving and spending by age 3. In fact, by age seven, their money habits are typically set. Children tend to learn the most by observing the behaviour of their parents. So, the best way to teach them any good habit is by practising it in the first place. But here are some basics to start with...

Work for your pocket money

Pocket money is not about just getting money at a set time, you have to earn it. Mutually decide a list of chores that you will handle every month. Only if all tasks are

ticked off you get the agreed sum of money.
YOU LEARN: That there are no free lunches.

Plan a party

Want a shindig for your birthday (this for post-Covid time)? Ask your parents to give you a budget and let you plan it – with their help of course. Prepare a checklist: theme, games, return-gifts, snacks, cakes, and

By age 3, children understand the concept of saving and spending. And by age 7, their money habits are typically set



guest list. Your job is to make sure everything just fits the budget.
YOU LEARN: Making do with limited resources is a basic financial planning skill.

Shopping

Accompany your parents to the market next time (or even online). Observe how they shop for groceries. You should learn how to read labels and compare prices of available options, and pick the one that fits the budget. Create your own grocery store at home to practice comparison purchases.
YOU LEARN: Being careful with spending, researching purchase and avoiding poor decisions.

Start a fund

Help your kids start saving their pocket money towards their material goals – could

be a picnic or a new toy. You can also suggest that you will chip in with a certain percentage only if they are able to get to their goal in a given time.

YOU LEARN: The value of saving as the first step to achieve financial goals.

Learn about interest

Introduce the concept of interest by offering them a certain bonus amount, say, on every ₹1000 that they save from their pocket money. This bonus could be in terms of percentage, say 10%. Show them how the calculations work every time you do so.
YOU LEARN: What is interest and how it works.

Sharing is caring

Kids should learn about doing good deeds and sharing their money and possessions early on. Inculcate sharing as a child by encouraging them to donate their toys, books, or clothes to NGOs. To overcome any resistance to this idea, follow up a trip to the NGO with ice cream or a pizza party. Over time, they will start associating happiness with a good deed.
YOU LEARN: Sharing is rewarding.



Get, set, skill!

Times NIE is bringing some special food for thought for the weekend. We are talking new life skills like critical thinking, emotional learning, financial literacy and MORE. Special columns, interviews and ideas are all here to make your weekends more 'with it'.

Log on to www.toistudent.com for the exclusive weekend student edition, every Saturday – starting from August 15.

Keep Reading! Keep Sharing!

Quiz time

TEST YOUR SURVIVAL SKILLS

Q.1) What is the number one thing you need to survive in the wilderness?

- A. Shelter B. Food
C. Heat D. Water
(D. Average human being can't survive if they go more than 3 days without water, whereas the same person could survive for several weeks without food.)

Q.2) If you're the only survivor of a plane crash and you're trapped on an island, what should you do?

- A. Build a raft from fallen logs
B. Search the island for food
C. Get away from the scene as fast as possible in case the plane explodes
D. Take any survival and medical equipment you can find from the wreckage and set camp nearby
(D. Always stay nearby after a crash. That way, you have a better chance of being found if a search and rescue crew comes.)

Q.3) Which water source is the cleanest?

- A. Lake B. Pond C. River
D. Spring

(D. Springs are the cleanest water source, giving you the smallest risk of ingesting bacteria or viruses.)

Q.4) What should you NEVER do if you can't find a fresh water source in the wild?

- A. Collect and drink salt water
B. Collect and drink rain water
C. Collect and drink morning dew
D. All of these
(A. You should never drink salt water. It will only further dehydrate you.)



Q.5) How do you purify an unclean water source?

- A. Use your clothing to strain the water
B. Boil it
C. Leave it in the sun
D. All of these
(B. You should boil all unclean water.)

Q.6) In general, where does the sun rise and set?

- A. The sun rises in the North and sets in the South
B. The sun rises in the East and sets in the West
C. The sun rises in the South and sets in the North
D. The sun rises in the West and sets in the East
(B. In general, the sun rises in the East and sets in the West. In the winter, it will rise further to the South and in the summer it will rise further to the North.)

Q.7) What should you do if you or someone you know is stung by a jellyfish?

- A. Ice it
B. Pee on it
C. Use hot water
D. Cold rinse
(C. Remove the tentacles using salt water with tweezers, a credit card, or a stick. Then soak the infected area in the hottest water you can stand.)

Q.8) Which items should be in your survival kit?

- A. All of these
B. Bottle of fresh water
C. Waterproof & windproof matches
D. First-Aid Kit
(A. Your survival kit should include all of these items.)

Q.9) After an earthquake, how long should you be prepared to survive on your own?

- A. 3 days
B. 1 month
C. 2 weeks
D. 1 week
(D. Up to 2 weeks on your own.)

Q.10) How many blasts, whether it's of a gun, a flare gun or even a whistle, is the universal signal for distress?

- A. 2 blasts
B. 1 blast
C. 5 blasts
D. 3 blasts
(D. The universal sign of distress is 3 blasts.)

Source: kidzworld.com

CHECKLIST: 10 LIFE SKILLS BY AGE 10



1) Doing the Laundry: Parents should begin laundry training by age 6.

2) Planting a Seedling: Lots of preschoolers learn to plant seeds in class but not how to transfer sprouts into a garden. Growing your own plant is an essential life skill now.

3) Wrapping a Gift: Start them young so that by age 10 they know how to wrap gifts on their own, including rationing the paper.

4) Hammering a Nail: Start with a small

hammer and softer wood. Hold the nail first and by age 10 they should know how to hammer nails.

5) Writing a Letter: Get kids to start early by dictating letters. By age 10 they should have at least one pen pal.

6) Preparing a Simple Meal: There are many fireless cooking videos.

7) Navigating: Set up treasure hunt to get them to know about navigating minus technology. When you do step out for outings, get kids to lead the

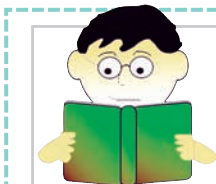
way by reading maps.
8) Treating a Wound: Teach your child from a young age how to handle injuries. They should know how to administer basic first aid.

9) Cleaning the Bathroom: Keep rags or a sponge handy for wiping toothpaste blobs. Toilet duties require greater skill.

10) Comparison Shopping: Teaching kids to be smart consumers takes practice. But they should know how to read labels and compare prices.

Source: parents.com

THIS WEEK, I LEARNT...



Upskilling
If you haven't really heard this term being

banded about in the last few months, have you even been reading the papers? Upskilling is the new buzzword in the job market – in addition to skilling and reskilling. It all starts with skilling. It's the basic skills you have for doing a job. Then comes reskilling. Thanks to most places going digital, some jobs are going to become less relevant while others are going to suddenly become crucial.

Reskilling is retraining existing employees. And the word for 2020 is upskilling. Unlike reskilling, this involves training people up but keeping them in the same roles, rather than fundamentally changing their job profile. Upskilling is the process of teaching employees new skills that will aid them in their work.

It fills this skill gap through ongoing training. Ways to upskill are through... virtual or online courses; mentoring and shadowing; "lunch-and-learn" sessions;



and microlearning. Thanks to the lockdown, it hasn't stayed a workplace trend and many people are upskilling on their own to adjust to what we now call the 'new normal'.