



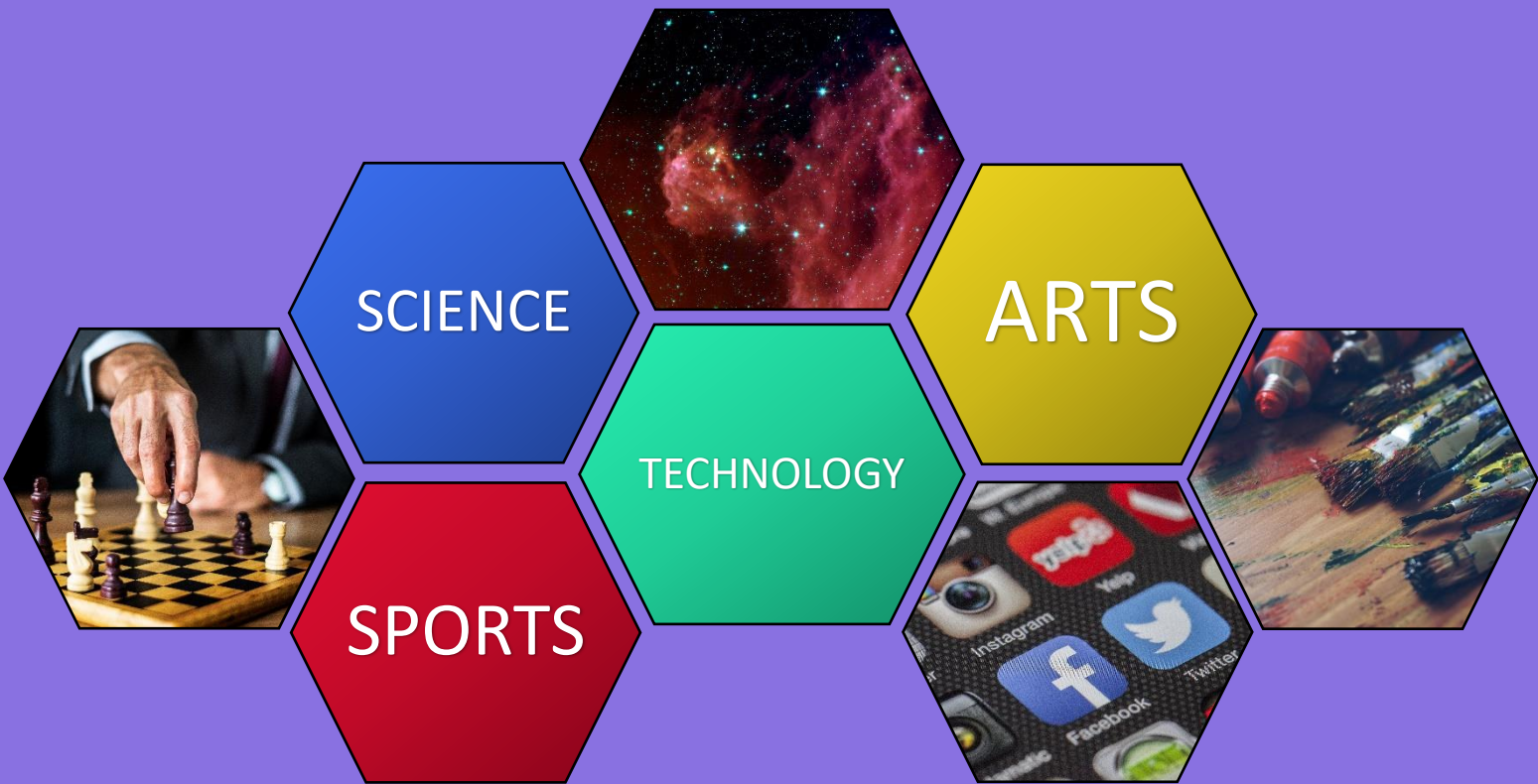
St Berchmans College

Founded 1922

AUTONOMOUS

College with Potential for Excellence | Reaccredited by NAAC with A Grade

CHANGANASSERY, KERALA



BERCHLY

E WEEKLY

PREPARED BY
DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE
COORDINATOR: SHEHITHA SALIM (ASSISTANT PROFESSOR, DLISc)

CONTENTS



SCIENCE

3



ARTS

4



TECHNOLOGY

5



SPORTS

6

*"Person Holding Laboratory Flask" by Chokniti Khongchum is licensed under CC.
"Blue, Orange, And White Abstract Painting" by Steve Johnson is licensed under CC.
"Robot Pointing on a Wall" by Tara Winstead is licensed under CC.
"Kick Chess Piece Standing" by George Becker is licensed under CC.*

SCIENCE



Unusual exotic clasts in Chinese lunar samples indicate unexplored terrane on Moon.

(January 7, 2023)

Recognizing exotic clasts (i.e., non-Chang'e-5 locally derived materials) in the Chang'e-5 regolith could provide critical information about the lithological diversity and regolith gardening process in the young mare region of the Moon. Recently, Dr. Xiaojia Zeng, Prof. Xiongyao Li, and Prof. Jianzhong Liu from the Institute of Geochemistry of the Chinese Academy of Sciences (IGCAS) have identified seven exotic igneous clasts in Chang'e-5 samples from more than 3,000 Chang'e-5 regolith particles.

Read more at:

<https://scitechdaily.com/unusual-exotic-clasts-in-chinese-lunar-samples-indicate-unexplored-terrane-on-moon/>

A new weapon against antibiotic-resistant bacteria.

(January 7, 2023)

Antibiotic resistance, or the ability of bacteria to develop resistance to treatment with antibiotics, has become a major concern for global health. Researchers at the University of Geneva (UNIGE) have found that edoxudine, an anti-herpes molecule developed in the 1960s, can disrupt the protective surface of Klebsiella bacteria and make them more vulnerable to being eliminated by immune cells.



Credit: University of Geneva

Read more at:

<https://scitechdaily.com/a-new-weapon-against-antibiotic-resistant-bacteria/>

ARTS



Credit: Unsplash

Art Basel parent company MCH Group cancels Masterpiece fair in London.

(January 6, 2023)

The forthcoming edition of the London art and antiques fair Masterpiece, which was planned for 28 June to 5 July, has been cancelled by its owners, the Swiss events company MCH Group, which also runs Art Basel. “Escalating costs and a decline in the number of international exhibitors mean that the event is not commercially viable this year,” an MCH spokesperson says in a statement to The Art Newspaper.



Credit: Ben Fisher Photography, courtesy of Masterpiece London

Read more at:

<https://www.theartnewspaper.com/2023/01/06/mch-group-cancels-2023-edition-of-masterpiece-fair-in-london-with-no-plans-for-future-editions-in-its-current-format>

West Bengal govt's Duare Sarkar scheme bags Digital India award.

(January 8, 2023)

President Droupadi Murmu presented the seventh edition of the Digital India Awards in New Delhi on Saturday. President Droupadi Murmu awarded the platinum award to West Bengal government's 'Duare Sarkar' scheme at the Digital India Awards, instituted by the Union Ministry of Electronic and Information Technology. Chandrima Bhattacharya, West Bengal minister for finance (independent charge), received the award in Delhi.

Read more at:

<https://www.indiatoday.in/india/story/west-bengal-govt-duare-sarkar-scheme-bags-digital-india-award-2318715-2023-01-08>

TECHNOLOGY



Credit: Unsplash

New microscope uncovers exciting insights into promising solar cell material.

(January 4, 2023)

A new characterization tool was developed by a team of scientists, allowing them to gain unique insight into a possible alternative material for solar cells. They developed a microscope that uses terahertz waves to collect data on material samples. The team, from the Department of Energy's Ames National Laboratory, working under the leadership of senior scientist Jigang Wang, then used their microscope to explore Methylammonium Lead Iodide (MAPbI₃) perovskite, a material that could potentially replace silicon in solar cells.

Read more at:

<https://scitechdaily.com/new-microscope-uncovers-exciting-insights-into-promising-solar-cell-material/>

Revolutionary AI system learns concepts shared across video, audio, and text.

(January 7, 2023)

MIT researchers developed a machine learning technique that learns to represent data in a way that captures concepts which are shared between visual and audio modalities. Their model can identify where certain action is taking place in a video and label it. Using this knowledge, their machine-learning model can identify where a certain action is taking place in a video and label it.

Read more at:

<https://scitechdaily.com/revolutionary-ai-system-learns-concepts-shared-across-video-audio-and-text/>



Representative Image

SPORTS



Credit: Pxhere

Sensational Suryakumar Yadav slams third T20I ton, his first at home.

(January 7, 2023)



Credit: AFP Photo

Incredible Suryakumar Yadav smashed his third T20I century as he lit up the Rajkot night sky in the series decider against Sri Lanka on Saturday. Coming in at no.4 Surya raced to the three-figure mark off just 45 balls with the help of 6 fours and 8 sixes. With the scintillating effort, Surya became the first player to hit three T20I centuries outside the opening slot.

Read more at:

<https://timesofindia.indiatimes.com/sports/cricket/sri-lanka-in-india/sensational-suryakumar-yadav-slams-third-t20i-ton-his-first-at-home/articleshow/96818072.cms>

Tallon Griekspoor wins maiden ATP World Tour title in Pune, pips Benjamin Bonzi in close final.

(January 7, 2023)

Tallon Griekspoor prevailed in a high-voltage three-set final against Benjamin Bonzi to win his maiden ATP World Tour title as the first-time finalists dished out a gripping game of tennis here Saturday. The Netherlands' Griekspoor won the intense Tata Open Maharashtra title clash 4-6 7-5 6-3 against his dogged French rival in two hours and 16 minutes.

Read more at:

<https://timesofindia.indiatimes.com/sports/tennis/top-stories/griekspoor-wins-maiden-atp-world-tour-title-in-pune-pips-bonzi-in-close-final/articleshow/96819188.cms>

(For private circulation only)