



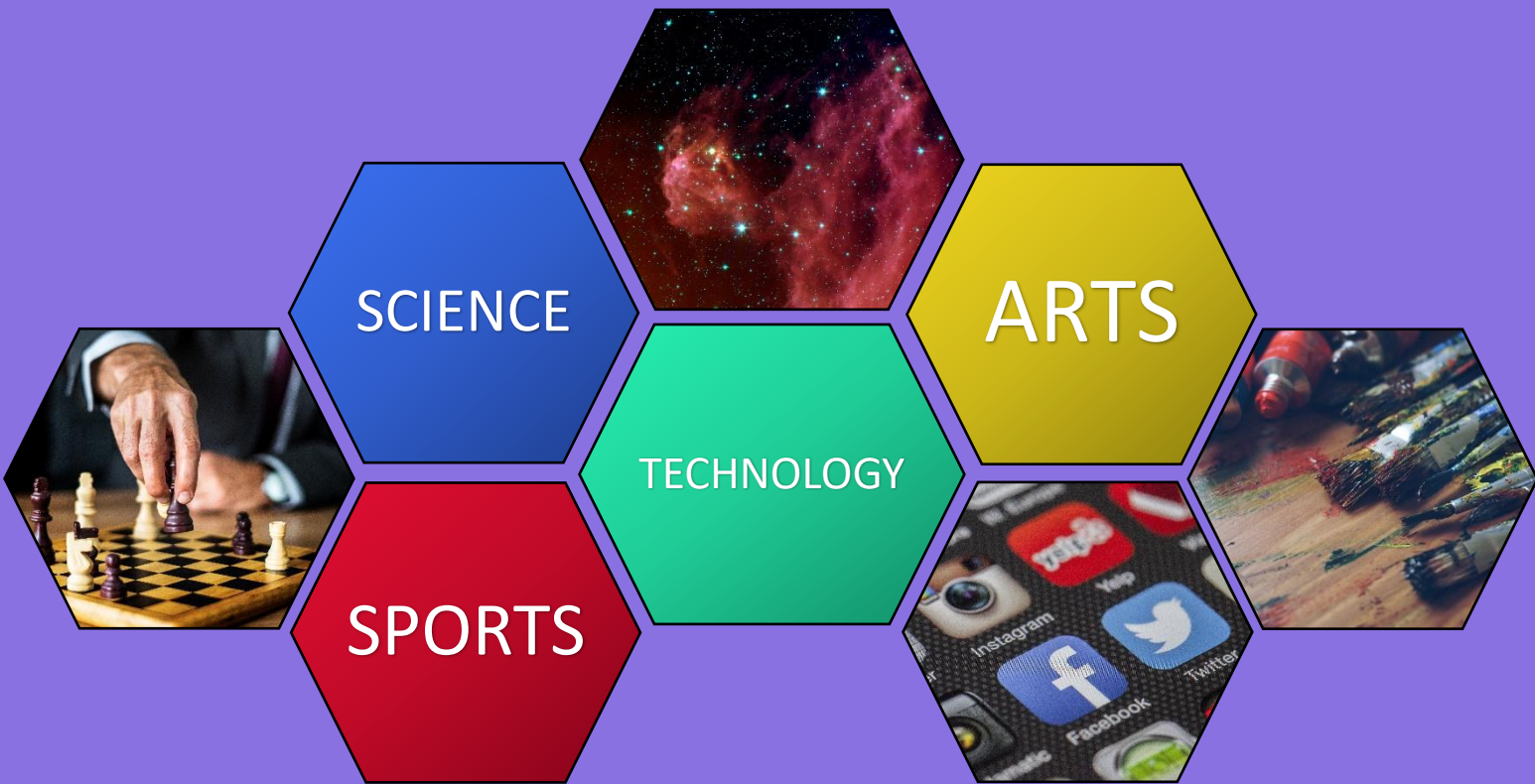
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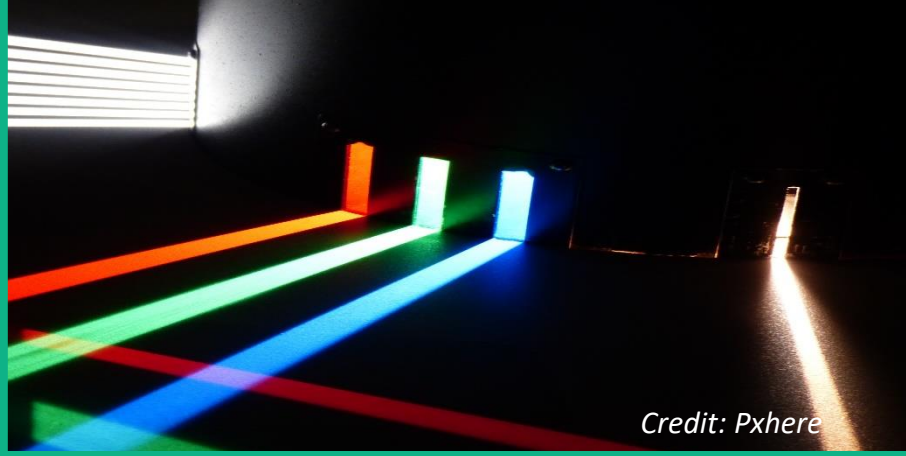


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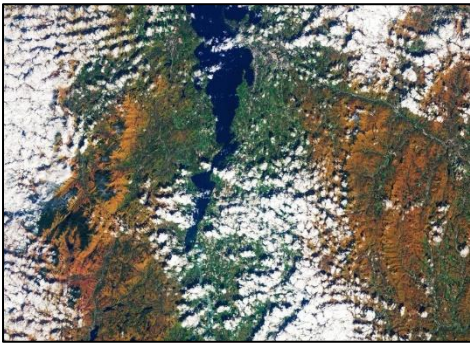
SCIENCE



Credit: Pxhere

Autumn in the Adirondacks – Vibrant fall colors pop in satellite photos.

(October 20, 2022)



Credit: NASA Earth Observatory
images

Dry conditions in the summer of 2022 dulled autumn foliage in many parts of the United States. However, there were some places where leaf color still popped, including the Adirondack Mountains in northeast New York. Leaves in the Adirondacks were at peak or near-peak color for the season on October 8, 2022, when the Operational Land Imager-2 (OLI-2) on Landsat 9 acquired these satellite images. The image above shows autumn color around Elizabethtown, New York.

Read more at:

<https://scitechdaily.com/autumn-in-the-adirondacks-vibrant-fall-colors-pop-in-satellite-photos/>

First neanderthal family revealed by DNA from remote Siberian cave.

(October 20, 2022)

For the first time, scientists have managed to sequence multiple individuals from a remote Neanderthal community in Siberia. Among these thirteen individuals, the investigators identified multiple related individuals, including a father and his teenage daughter. The thirteen genomes also allowed the researchers to provide a glimpse into the social organization of a Neanderthal community. They appear to have been a small group of close relatives, consisting of ten to twenty members, and communities were primarily connected through female migration.

Read more at:

<https://scitechdaily.com/first-neanderthal-family-revealed-by-dna-from-remote-siberian-cave/>

ARTS

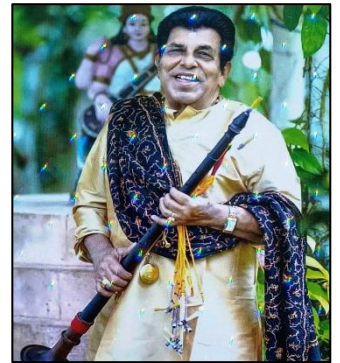


Credit: Arek Socha/Pixabay

Palghat Fine Arts Society celebrating 60 years of promoting Carnatic music.

(October 20, 2022)

The Palghat Fine Arts Society (PFAS) is readying to celebrate its diamond jubilee in a big way. Although it reached the milestone in 2020, COVID-19 restrictions delayed the event for two years. A week-long national music festival from October 25 will mark the beginning of the celebrations. Renowned Carnatic musicians from across the country will perform at PFAS Auditorium during the festival. Each day of the festival will be dedicated to a legend. The inaugural day will be in memory of Purandaradasa.



Credit: The Hindu

Read more at:

<https://www.thehindu.com/news/national/kerala/palghat-fine-arts-society-celebrating-60-years-of-promoting-carnatic-music/article66032464.ece>

Indonesia calls for return of 'Java Man,' and countless art and natural historical objects, from Netherlands.

(October 20, 2022)

The Indonesian government has formally requested the return of multiple large collections of natural history and art objects from the Netherlands, including the world-famous remains known as "Java Man." The Indonesian government sent the Netherlands a list of items in July that it has classified as looted during colonization and due for repatriation. That list, which was sent to the Dutch Ministry of Education, Culture, and Science, was shared publicly by the chairman of the Indonesian repatriation mission last week.

Read more at:

<https://www.artnews.com/art-news/artists/indonesia-return-java-man-natural-history-netherlands-1234643776/>



TECHNOLOGY

Credit: Pxhere

10,000 times quicker: New breakthrough could change the field of medical microrobots.

(October 20, 2022)

In order to create a technology that can produce more than 100 microrobots per minute that can be disintegrated in the body, Professor Hongsoo Choi's team at the Department of Robotics and Mechatronics Engineering and several others have developed a mass-production method for biodegradable microrobots that can dissolve into the body after delivering cells and medications. This technique has the ability to create structures with nanometer-level accuracy. The drawback is that it takes a lot of time to create a single microrobot since voxels, the pixels realized by 3D printing, must be successively cured.

Read more at:

<https://scitechdaily.com/10000-times-quicker-new-breakthrough-could-change-the-field-of-medical-microrobots/>

Scientists use machine learning to peer into the future.

(October 20, 2022)

Researchers at The Ohio State University have recently discovered a new way to predict the behavior of spatiotemporal chaotic systems, such as changes in Earth's weather, that are particularly difficult for scientists to forecast using a new type of machine learning technique called next generation reservoir computing. The research, which was recently published in the journal *Chaos: An Interdisciplinary Journal of Nonlinear Science*, makes use of a brand-new, highly efficient algorithm that, when combined with next-generation reservoir computing, can learn spatiotemporal chaotic systems in a fraction of the time required by traditional machine learning algorithms.

Read more at:

<https://scitechdaily.com/scientists-use-machine-learning-to-peer-into-the-future/>

SPORTS



East Bengal beat NorthEast United 3-1 in ISL.

(October 21, 2022)



Credit: Twitter/Indian Super League

East Bengal snapped their winless run against NorthEast United in the Indian Super League (ISL) with a comfortable 3-1 victory at the Indira Gandhi Athletic Stadium. A first-half goal from Cleiton Silva (11th minute) and second-half strikes from Charis Kyriakou (53rd) and Jordan O'Doherty (84th) ensured the three points for East Bengal, before Matt Doherty's consolation goal (90+2) opened NorthEast United's goal account for the season.

Read more at:

<https://indianexpress.com/article/sports/football/east-bengal-beat-northeast-united-3-1-in-isl-8221797/>

Satwik-Chirag continue their silent rise, beat All-England champions to reach quarterfinals of Denmark Open.

(October 21, 2022)

If there's been a silently rumbling juggernaut in Indian sport this year, it is the doubles pairing of Chirag Shetty and Satwiksairaj Rankireddy. Thomas Cup champions. Commonwealth Games gold. World Championship bronze. It's not stopped raining in Shetty's Mumbai and he and his partner haven't stopped winning and ticking the boxes of big titles. The Indians have an unflattering 0-6 record against the Malaysian World Champions.

Read more at:

<https://indianexpress.com/article/sports/badminton/satwik-chirag-beat-all-england-champions-to-reach-quarterfinals-of-denmark-open-8221770/>

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