



If we could change ourselves, the tendencies in the world would also change. As a man changes his own nature, so does the attitude of the world change towards him.
We need not wait to see what others do. -Mahatma Gandhi

Knowledge Daily

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NASA's Lucy mission to study Jupiter's Trojan asteroids

On 16 October 2021, NASA will launch its Lucy mission. This mission aims to study Jupiter's Trojan asteroids. And help us know more about the solar system's formation 4.5 billion years ago.

What are Jupiter's Trojan asteroids? The Jupiter trojans, commonly called Trojan asteroids or simply Trojans, are a large group of asteroids (about 9800). They share the planet Jupiter's orbit around the Sun.

NASA has named the mission 'Lucy' after an ancient human fossil.

This fossil, found in 1974, became very famous worldwide. And it helped us understand a lot about the evolution of the human species.

The Lucy mission

Lucy is a huge spacecraft, as tall as a five-storey building and is powered by solar energy. Moreover, it will observe more asteroids than any other spacecraft before it.

Lucy will go on a 12-year journey to study eight different asteroids. One of them is in the Main Belt between Mars and Jupiter and then seven Trojans. These asteroids exist in the same, small region of space but are very different from one another. The Lucy mission will fly by the asteroids and use its onboard instruments to investigate them. It will try to get information on what they are made of, their mass, density and volume.

DID YOU KNOW ?

- The ancient human fossil "Lucy" got her name from the 1967 song "Lucy in the Sky with Diamonds" by the Beatles.
- The Daintree Rainforest was named after 19th century Australian geologist and photographer Richard Daintree.

Amazing winners of Ocean Photography Awards 2021

Every year, the Ocean Photography Awards announces the winners of the best photos of the ocean and sea life. This year, the top honour of the Ocean Photography Awards goes to a woman named Aimee Jan. She won Ocean Photographer of the Year for her image of a green turtle surrounded by glassfish.

Aimee says she was in the ocean, snorkelling when she spotted the scene and took the photo.

What is snorkelling?

Snorkelling is the practice of swimming on or through a body of water while equipped with a diving mask, a shaped breathing tube called a snorkel. Other winners

Besides Aimee, there were also 7 other winners this year. Henley Spiers won the second prize for her picture of seabirds. Moreover, the third place went to Matty Smith for his photo of a turtle hatchling. Moreover, the title of Ocean Conservation Photographer of the Year went to Kerim Sabuncuoglu. He took a picture of a dead moray eel

on an abandoned fishing line in Turkey.

You can see all the winners in a current exhibition in London, UK. You can also see them online [here](#).

Watch video: Adorable video of monkey and goat goes viral

Monkey and goat

Animals often do many cute and funny things and this latest video is no exception. A video of a monkey riding a goat, you can hear eating a person calling out in the woods. Hearing the man's

call, a goat emerges from the woods and runs towards him. Surprisingly, a baby monkey is also hanging on to its neck. As they come closer to the man, he gives them berries. The goat starts eating but the monkey seems confused. But later the monkey joins in too. Then, the monkey climbs on the goat's back to be more comfortable and enjoys the berries.

Now, it has gone viral on Twitter and has gotten more than 12 million views and 534,000 likes on it. It has been retweeted (shared) more than 105,000 times.

Watch the video below of the monkey and goat. Video credit: Animals Home/Youtube click [here](#)

Mozart, the Incomparable Musical Genius

Wolfgang Amadeus Mozart, a musical genius who composed over 600 works in his short lifetime, died mysteriously

A musical child prodigy, skilled at both the piano and violin in 18th century Austria, Mozart and his older sister, also a pianist performed throughout Europe. Mozart composed over 600 works, including 53 symphonies, dozens of masses and liturgical works, and over 20 operas and lyric theater pieces.



Prepositions of Place

at	in	on
at home	in a car	on a bus
at work	in a taxi	on a train
at school	in a helicopter	on a plane
at university	in a boat	on a ship
at college	in a lift (elevator)	on a bicycle, on a motorbike
at the top	in the newspaper	on a horse, on an elephant
at the bottom	in the sky	on the radio, on television
at the side	in a row	on the left, on the right
at reception	in Oxford Street	on the way

Science News

Plants evolved complexity in two bursts -- with a 250-million-year hiatus

Date: September 16, 2021

Source: Stanford University

Summary:

A Stanford-led study reveals that rather than evolving gradually over hundreds of millions of years, land plants underwent major diversification in two dramatic bursts, 250 million years apart. The first occurred early in plant history, giving rise to the development of seeds, and the second took place during the diversification of flowering plants..

WORD OF THE DAY

Today's Word of the Day is "levity" and its noun meaning the treatment of a serious matter with humour or lack of due respect.

Pronunciation /'leviti/

Usage: "as an attempt to introduce a note of levity, the words were a disastrous flop"

Antonyms: seriousness, gravity

Origin

Mid 16th century from Latin levitas, from levis 'light'.

Synonyms :

light-heartedness, carefreeness, light-mindedness, high spirits, vivacity, liveliness, conviviality, cheerfulness, cheeriness, humour, gaiety, fun, jocularly, hilarity, frivolity, frivolousness, amusement, mirth, laughter, merriment, glee, comedy, funniness, wit, wittiness, jollity, joviality, joking, drollery, good cheer, sportiveness, nonsense, irreverence, facetiousness, flippancy, blitheness, triviality, silliness, foolishness, childishness, giddiness, skittishness

Hindi Meaning

LEVITY= छिछोरापन [pr. {chhichhorapan}](Noun)

उदाहरण : उसका छिछोरापन कभी कभी असहनीय हो जाता है।

ENGLISH CLUB

Phrasal Verb-pull up

Meaning: to pull something out of the ground, such as a plant, a stake, or a fence post

Usage: The protesting farmers pulled up all the stakes and pegs that the surveyors had stuck in the ground.

Today's Idiom

waiting in the wings

Meaning: If you're waiting in the wings, you're ready to take over a role or a position when you have the chance to do so.

Usage: In politics, there are always plenty of people waiting in the wings ready for a chance to take power..

Saying of the Day

All things are difficult before they are easy

Possible interpretation:

The implication is that we should be patient with learning, and with learners. It takes time to learn to do things. What seems easy to us now may have been difficult at first.

Note: difficult (adj.) = needing much effort to do or understand | easy (adj.) = done without much effort; not difficult

Origin: Quotation from British clergyman and writer Thomas Fuller (1608-1661).