



Pillars of creation

Nasa's James Webb Space Telescope has taken a star-filled snap of the Pillars of Creation. This is the sharpest image ever captured of the iconic area of intense star formation, and was made possible by using the space telescope's near-infrared camera. The Pillars of Creation are in the Serpens constellation, in the Eagle Nebula, which is around 7,000 light-years from Earth. A light-year, a large unit of length used to express astronomical distances, is the distance a beam of light travels in one year. In interstellar space, light travels at approximately 300,000 kilometres per second, or 9.46 trillion kilometres per year. Nasa says, 'the ethereal scene captures translucent columns of cool interstellar gas and dust punctuated by piercing, bright points of light. Most of these are stars, and the reddish balls of fire near the edges of the pillars are newly formed stars.'



Pictured: The Webb telescope's breath-taking view of the Pillars of Creation. **Source:** @NASAWebb Twitter page.



Pictured: Goldfish **Source:** Canva

Myth busted – Goldfish have good memories!

Contrary to popular belief, researchers at the University of Oxford have found that goldfish have great memories and are able to expertly navigate their surroundings. The scientists reported that the fish could accurately estimate distance. They first trained nine goldfish to travel 70cm along a black and white striped tank, and would then wave a hand to indicate the required distance. The fish learned to swim the correct distance along the special tank with 2cm wide vertical stripes. Once they

had swum the required length out and back again, they received a food reward. The team conducting the study also found that the fish could still swim 70cm, even when their start position was changed. Other research projects have discovered that goldfish can also remember and recognise faces, hear music and also differentiate between musical genres, and they can see in more colours than humans!

Do you know any more facts about goldfish?

Share your thoughts and read the opinions of others

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Could cars fly by 2025?



Pictured: Right - Alef's vision for its flying car, **Left** - the Model A flipped on its side in flight.
Source: Alef.

Alef Aeronautics recently unveiled a flying car that can turn into a biplane (a fixed-wing aircraft with two main wings stacked one above the other). The Californian firm showcased the - still in development - eVTOL Model A and Alef Zero flying cars. The Alef Model A has a meshed body that conceals eight propellers, which allow it to take off from the road with no need for a runway, as it rises into the air vertically. Once in flight, the car will flip on its side, so that the top is facing forward, allowing the long sides of the vehicle to become top and bottom wings, before moving through the air at up to 260 miles per hour.

Once in flight, the car will flip on its side, so that the top is facing forward, allowing the long sides of the vehicle to become top and bottom wings, before moving through the air at up to 260 miles per hour. The flying automobile will have a 200-mile driving range and 110-mile flying range. Jim Dukhovny, Alef's chief executive and co-founder said, 'A flying car has to be a car, which means it can drive on a regular street, park in a regular parking space. And it also should have vertical take-off,' The flying cars are set to go on sale in 2025 and will cost £266,000!

Last week's topic:

Have our lives become too complicated?



I think that technology has made our lives better and easier but also more complicated.

Jane

I think all the technology around us has made some people more lazy.

Jack

We think that life has become more complicated as we are all so connected now.

Louisa and Summer

I think our lives are as complicated as we choose to make them, this has always been the case.

Fran

Let us know what you think about this week's news?

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