



Heart of the Milky Way



Pictured: James Webb Space Telescope reveals a 50 light-years-wide portion of the Milky Way's dense centre. **Source:** NASA Webb Telescope @NASAWebb X page.

A new image from NASA's James Webb Space Telescope reveals never-before-seen features at the centre of the Milky Way. The brightly coloured image shows the heart of the Milky Way in 'unprecedented detail'. NASA states that within the captured images of stars is Sagittarius C, 'a star-forming region about 300 light-years away from the supermassive black hole at the Milky Way's centre.' The telescope will be able to study each star individually as the galactic centre is only 25,000 light years away from Earth. 'There's never been any infrared data on this region with the level of resolution and sensitivity we get with

Webb, so we are seeing lots of features here for the first time. Webb reveals an incredible amount of detail, allowing us to study star formation in this sort of environment in a way that wasn't possible previously,' said the team's principal investigator Samuel Crowe, from the University of Virginia in Charlottesville. Samuel added, 'The image from Webb is stunning, and the science we will get from it is even better. Massive stars are factories that produce heavy elements in their nuclear cores, so understanding them better is like learning the origin story of much of the universe.'

Do you enjoy looking at stars in the sky?

'The Knit Wits'

Every Friday at Edgemere senior living home in Texas, USA, a group called 'The Knit Wits' get together around a large table to hand-knit hats and toys for children who are in need. The group have been creating the cosy items to send to charities operating worldwide for over twenty years – from their hometown to abroad, from local hospitals to war zones. During the last two decades, the club has donated thousands of items to bring comfort and warmth to others. The group's current project, in association with Children's Health in Dallas, is to knit homemade caps, with a festive theme, for infants facing heart problems. Describing the caps, Betsy Beall, who is a specialist at the hospital where the caps are being sent, said, 'They have become a colourful symbol of hope and joy for the centre's littlest patients and their families.' Marianne Mead, who joined



Pictured: Knitting together. **Source:** Canva.

'The Knit Wits' in her 80s and is still knitting now at the grand age of 102, credits the activity with keeping her creative, busy and giving her something good to think about! Staff working at Edgemere believe that the group's achievements deserve to be celebrated and invited 'The Knit Wits' to a special meal in their honour (pictured left). The executive director of their Edgemere home said, 'They've proven that a simple act of kindness can make such a difference in the lives of those facing challenging circumstances.'

Do you know how to knit? Do you know anyone who enjoys knitting? Do you think it is an important skill?



Pictured: The Knit Wits at Edgemere enjoying a celebratory meal. **Source:** Edgemere Senior Living Facebook page.

Emu on the loose in Loose!

Rodney the Emu, a family pet from Loose in Kent, was captured on doorbell camera footage after he escaped from his home. Once captured by police, the six-month-old flightless bird was safely returned to his family, who were delighted to have him back at home. Sarah Stribbling-Williams, the bird's keeper said, 'I wasn't aware that he'd gone missing. I thought he was in his stable, and then a man came down and said, 'have you lost your emu?' He'd gone down the footpath and a road away in a neighbour's front garden. We have had him since he was a four-day-old chick. He's a very friendly and tame member of the family. He often comes in our house and if outside he will come and knock on the kitchen window for some treats. He spends his time with our seven children along with our other animals (dogs, cats,

horses, chickens) and can often be found running round our garden with the dogs.' Rodney was found in a residential street close to its home by pensioner Maureen Roberts, who received quite a shock when a video doorbell notification alerted her to an Emu at her front door! Maureen said, 'I didn't know the emu was on the loose in my garden until I saw the footage on my phone. I just didn't believe it until I heard the tapping noise outside on the door.' A neighbour contacted Maureen to let her know, but she believed they were playing a prank on her, until she checked her phone. Maureen added, 'I thought she was winding me up and I laughed it off. But it turned out she wasn't joking.'

How would you feel if there was a friendly Emu in your garden?



Pictured: Kent Police's Tactical teams helping to return Rodney the emu to his home.
Source: Kent Police Tactical Operations @KPTacOps X page.

Last week's topic:

How can we show compassion to others?



Supporting and asking what you can do to help.

Alix

We should treat everyone equally and how you want to be treated.

Sapphire

We can show compassion by trying to understand someone's problem. We should help when they are hurt and comfort them so they don't feel bad.

Alicja

Sharing your things.

Graeme

Asking questions like are you ok?

Preyk

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