

COOL STUFF !

TECH TALK

Japanese Build Robo-Baby

Japanese researchers created a baby robot designed to simulate the behaviour and development of a real infant in an effort to understand how humans grow up. Named Noby, short for 'nine-month-old baby,' it has 600 sensors across its body to feel touch, cameras and microphones fitted into its head for vision and hearing and is hooked up to a powerful computer. Noby is 28 inches tall and weighs 17 pounds, similar to a nine-month-old human. It has soft skin, is flexible and has joints that move like those of a human baby. Researchers are using it to test theories of human development.



THE DIGIT 21

- - 21 is the sum of the first six natural numbers (1+2+3+4+5+6=21).
- - Divisors of 21 are 1, 3, 7, 21
- - Roman numeral for 21 is XXI
- - A game of table tennis is won by the first player reaching 21 points.

The Internet online users are roughly 35% English speaking, 14% Chinese speaking and 51% speakers of all the other languages in the world.

What is CAD-CAM?

Computer Aided Drawing-Computer Aided Manufacturing. The instructions stored in a computer that will be translated to very precise operating instructions to a robot, such as for assembling cars or laser-cutting signage.

FUN WITH MATHS

ADD 269 + 69, THEN SUBTRACT 5 X 20 FROM THE SUM. WHAT'S THE RESULT?

Turn to page 2 for answers

KAKURO



Answer on pg. 8

IQ test

Which pattern is missing in the following figure?



- A B C D

Turn to page 2 for answers

IM DICTIONARY

- T+ Think positive
- TA Thanks a lot
- TAFN That's all for now



What Where When ?

THE BLACK SEA

Where is the Black Sea?

Black Sea is an inland sea between Europe and Asia. The Black Sea is the only natural boundary of Ukraine. It also links Ukraine with the world. The Black Sea is more or less oval shaped.



Why is the Black Sea called so?

In ancient times, colours were assigned to the cardinal directions - with black referring to the north. It was also called "inhospitable" (dark area, black) before Greek colonization, because it was difficult to navigate, and because its shores were inhabited by savage tribes. The waters of the Black Sea appear darker than the Mediterranean because of its hydrogen sulphide layer that begins about 200 metres below the surface and supports a unique microbial population which produces black sediments.

What has been discovered lately about the Black Sea?

A massive under-water river flowing along the bottom of the Black Sea has been found by scientists - a discovery that could help explain how life manages to survive in the deep oceans away from the nutrient-rich waters found close to land. It is estimated that if on land, the undersea river would be the world's sixth largest in terms of the volume of water flowing through it. Researchers working in the Black Sea have found currents of water 350 times greater than the River Thames flowing along the sea bed, carving out channels much like a river on the land. The undersea river, which is up to 115 feet deep in places, even has rapids and waterfalls much like its terrestrial equivalents.



How many countries border the Black Sea?
Six countries border the Black Sea. They are: Turkey, Georgia, Russia, Ukraine, Romania and Bulgaria.

Which country has the longest Black Sea coastline?
Turkey has the longest Black Sea Coastline.



- - The Black Sea remains at the same level all year.
- - There is little tidal action in the Black Sea.
- - The most important river entering the Black Sea is the Danube.

- - The Black Sea has an area of 422,000 km² and a maximum depth of 2210 m.
- - The Black Sea is the largest anoxic, or oxygen-free, marine system.
- - The Black Sea was once part of a larger body that included the Caspian and Aral seas.