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ВОЛОГОДСКИЙ ГОСУДАРСТВЕННЫЙ
УНИВЕРСИТЕТ
КАФЕДРА ЛИНГВИСТИКИ И МЕЖКУЛЬТУРНОЙ
КОММУНИКАЦИИ

АНГЛИЙСКИЙ ЯЗЫК

ОТБОРОЧНЫЙ ЭТАП

Научно-популярный текст

Future of Nanotechnology

How will nanotechnology effect me?

Nanotechnology will play a big role on all of our lives in the very near future in everything ranging from clothes to medicine. Below are a few things that will benefit your life based on the wonderous possibilities of nanotechnology.

Health

Nanotechnology will effect the health industry far greater than it will anything else. There will be a lot of things that nanotechnology will be able to accomplish in the health business but the main one that most people are interested in is the ability to cure cancer. That's right, folks, nanotechnology will cure cancer. It has been discovered that when a special type of nanites are irradiated by shining xrays on them, the nanites will produce their own electrons that can be controlled in order to target specific cancer cells and destroy them without harming much of the surrounding area. This involves no radiation (other than xrays) and absolutely no chemotherapy. You will not get sick, you will not feel pain, and you will not die.

Security

Nanotechnology will bring a whole new meaning to the word "security". Do you have security cameras aimed at your garage but the damn vandals keep spray painting over them? Well now you can have nanocams that are too small for these hoodlums to even know they're there. Nanotechnology will also allow us to make body armor that is a hundred times stronger than steel but light as a feather. That means that soldiers and police officers will be much safer while performing the dangerous duties that they take on in order to protect YOU. It's amazing what simple, little computers can do.

Gadgets

One of the coolest nanotechnology gadgets that I've read into so far would probably have to be this one particular concept for food: I read about a device that would transform food in any way

that you can think of. Apparently it has nanites in the food already and then with a little handheld device you could change how the food behaves. It's basically creating "interactive food" instead of the plain, boring food and beverages that we've grown accustomed to. You would be able to change what kinds of nutrients are available in the food that you eat and change the color, texture, smell, and taste of that food item. Tired of tofu but want to stay healthy? No problem! Transform your tofu burger into something that has all of the healthy benefits that you want while still tasting exactly like meat. Since when does healthy have to mean sacrifice? Savor that tofu!

How will nanotechnology evolve?

Nanotechnology itself will evolve beyond what we can even imagine right now. Some say that one day, nanotechnology will be able to become self-replicating, in that it collects extremely small particles of metal that are as tiny as dust and engineer that metal into more nanites. The nanites would also be self-sustaining as they might be able to use excess sugar in the blood stream (that we don't want there anyway) and use it to power their tiny fuel cells.

What kinds of precautions are there for nanotechnology?

The field of nanotechnology comes with all sorts of inherent risks but, thankfully, scientists are smart enough to put precautions in the programming to allow it to remain controllable. The first thing that you have to realize is that nanites are not intelligent. They are just like your own desktop computer or laptop. They can't take control of your mind or force you to do anything that you don't want to do. They are operated by a series of programming that the scientists encode into them. Each set of nanites will have a specific task to do and it will only do what they are told to do. So don't worry, you're not in any danger from the nanites themselves.

Nanotechnology stock market

You may want to seriously start thinking about investing in the nanotechnology market as soon as possible because once it hits the market, nanotechnology is going to boom. Think about where Google was just ten years ago: It had low popularity, very little resources, and no one thought it was going anywhere. The few people who did decide to invest a little bit of money in it, though, are now millionaires today.

When will it be ready

Some nanotechnologies are already on the market today. There's a company in the United Kingdom that uses nanotechnology to track its products all the way from the distribution factory to the retail outlet so that if anyone steals a product or it goes missing, the company can then track that item down and report whoever stole it to the authorities. Other forms of nanotechnology are in the making as we speak and those companies who are involved in making them are investing loads of money because they know it will pay off. Nanotechnology is not some distant future that you, individually, will never see; it is a reality even in our present day and we get even closer to better forms of nanotechnology every day.

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