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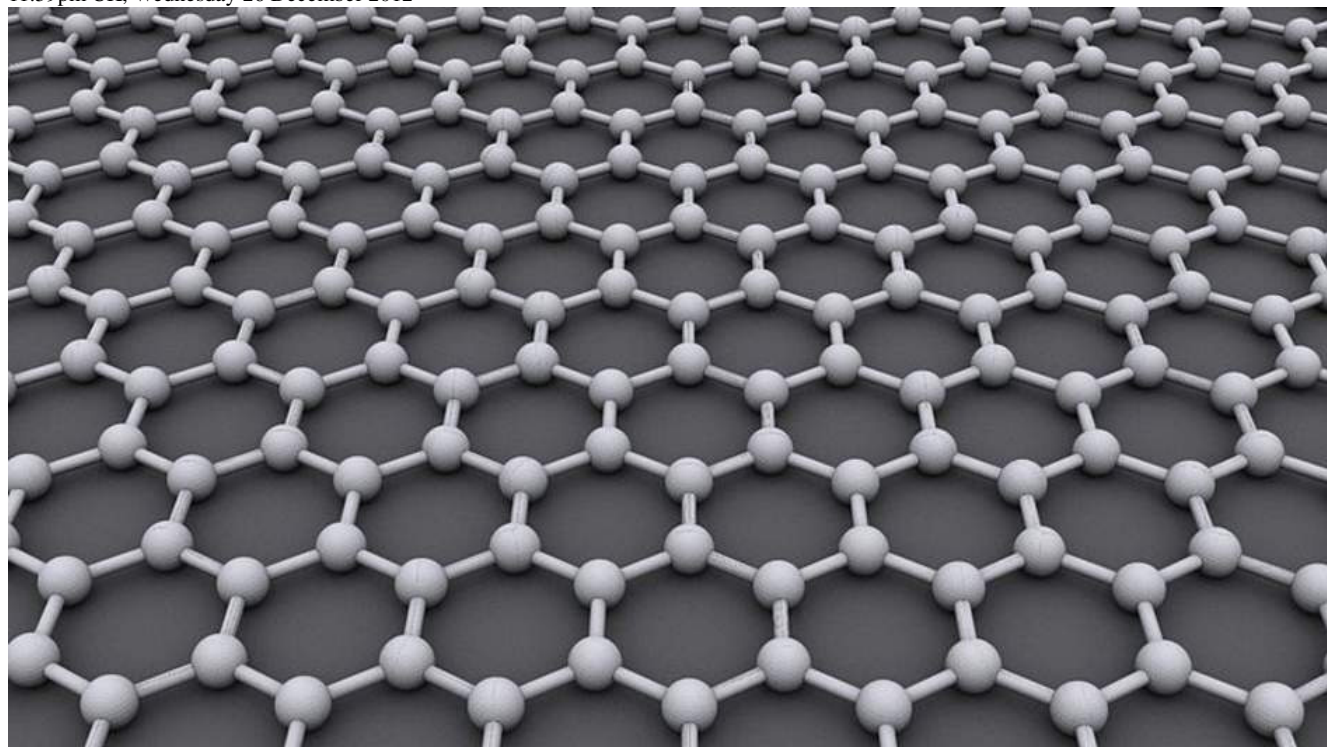
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## Graphene: Super Funds For Super-Material

**Research into practical applications for graphene, a super-material that is light, thin, flexible and durable, gets a cash boost.**

11:59pm UK, Wednesday 26 December 2012



Graphene is a honeycomb lattice of carbon atoms (Pic: AlexanderAIUS)

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Investment funds totalling £21.5m are going to some of Britain's top universities to develop commercial uses for the "super-material" graphene.

Manchester University academics Andre Geim and Konstantin Novoselov won the 2010 Nobel Prize in Physics for demonstrating the remarkable properties of the material.

Graphene is a kind of two-dimensional carbon which is one of the thinnest, lightest, strongest and most conductive materials known to man.

Graphene atoms are arranged in a regular hexagonal pattern similar to graphite, but in a sheet one-atom thick.

A sheet measuring one metre square weighs only .77 milligrams.

The aim is to see the material put to use in a wide array of industrial and everyday applications.

Graphene could deliver potentially lucrative technological breakthroughs in areas ranging from electronics to energy generation and telecommunications.



George Osborne saw Manchester University's graphene research labs last year

The Engineering & Physical Sciences Research Council has identified the most promising graphene-related research projects in British universities to benefit from state funding.

The University of Cambridge has been awarded more than £12m for research into graphene flexible electronics and opto-electronics, which could include things like touch-screens and other display devices.

London's Imperial College will receive over £4.5m to investigate aerospace applications of graphene, working with a number of industrial partners including Airbus.

The other successful projects are based at Durham University, the University of Manchester, the University of Exeter and Royal Holloway.

The universities will be working with industrial partners including Nokia, BAE Systems, Procter & Gamble, Qinetiq, Rolls-Royce, Dyson, Sharp and Philips Research. They will together bring a further £12m to the table.

News of the funding was announced by Chancellor George Osborne, who said: "The Government moved quickly and decisively to make sure this Nobel Prize-winning technology invented here in the UK was also developed here.

"It's exactly what our commitment to science and a proactive industrial strategy is all about - and we've beaten off strong global competition.

"Now I am glad to announce investment that will help take it from the British laboratory to the British factory floor."

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John Read

12:09 PM on 27/12/2012

This money would have been better off going to cancer researches  
( when are we going to get rid of this thick government )

Score: 0

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Mr bassethound

11:08 AM on 27/12/2012

£22 million. Is that it? I mean something that could bring untold BILLIONS of return profit and they are only investing such a small amount.

Score: 0

Report Abuse



Keithl

10:33 AM on 27/12/2012

" what we also need is a good invention for a "BS" detector to be used for when these politicians start spouting their rubbish...!!

Score: 0

Report Abuse

No Way would they EVER invest in THAT!



Keithl

10:30 AM on 27/12/2012

Brilliant

Now DON'T go giving it away to the Yanks or anybody else, make sure it STAY'S a UK only product.

Score: 0

Report Abuse



OpinionTime

9:46 AM on 27/12/2012

@Thomas112 - They are not students at a University. They are both Russian born academics. One is 54 and one 38. The moved to the UK for the research facilities and are now both UK citizens. This is why we need to invest in science and not the Olympics and more wars. That is what will draw the brain power here and create industry here. The industrial revolution made Britain. Time to seek a technology revolution not some worthless medals.

Score: 0

Report Abuse



Say No To EU

9:22 AM on 27/12/2012

Why I feel like a troll....lol

Score: 0

Report Abuse

The government moved quickly into spending £12 million without a care in the world!

The university could of licenced the product to Boeing or rolls Royce or some other very rich company that will probably happen anyway later on.

The government is playing dragons den, at what percentage %.

I hope it works out ok for the tax payer.



Bitter and Twisted

9:03 AM on 27/12/2012

the picture looks like George is peering into the last of the gold reserves drooling at how he can waste it on more hair brain schemes to further bankrupt this country

Score: 0

Report Abuse



GJ2802

9:02 AM on 27/12/2012

Good for British industry... what we also need is a good invention for a "BS" detector to be used for when these politicians start spouting their rubbish...!!

Score: 0

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Thomas112

7:20 AM on 27/12/2012

This is inspiring to think students at a university came up with this.

Score: 0

Report Abuse



cornelius12

6:37 AM on 27/12/2012

QUOTE: News of the funding was announced by Chancellor George Osborne, who said: "The Government moved quickly and decisively to make sure this Nobel Prize-winning technology invented here in the UK was also developed here. YES! TILL HE DECIDES TO SELL IT.

Score: 0

Report Abuse






AlexanderKent

2:33 AM on 27/12/2012

"Now I am glad to announce investment that will help take it from the British laboratory to the British factory floor."

Score: 0

Or to the Chinese factory floor?		Report Abuse
	<p>OpinionTime 2:07 AM on 27/12/2012</p> <p>So £347 million for Olympic sports in Rio and £22 million for Nobel Prize winning tech that could benefit this nation in real terms. They are just throwing money down the toilet with the sport funding. We did the Olympics and it was fine now that should be the end of it till we get back on our feet. Fund science. Science has given us everything of value in the world.</p>	<p>Score: 0</p> <p>Report Abuse</p>
	<p>Jilted 12:35 AM on 27/12/2012</p> <p>Wont be long before some other country steals this tech and puts it to military use,thats if they havnt allready????</p>	<p>Score: 0</p> <p>Report Abuse</p>
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