



Fact sheet: Gold

Tony McPaul
Manager
Special Projects

The many uses of gold

I was recently asked why we need to mine gold and the person who asked me was surprised to hear about the many uses of gold other than for jewellery or as a store of wealth.

Gold is used in all sorts of everyday devices including our mobile phones and computers and it's also used widely in technology, space and medical research.

Mobiles and computers

Because it is so hardy and a very good conductor of electricity, gold is perfect for wiring—in everything from mobile phones and computers to protective clothing and equipment for space exploration.

Another interesting new development is the use of gold in the circuitry of safety air bags in motor vehicles.

Detecting and treating cancer

One of the most exciting new uses of gold is its role in detecting and treating cancer.

A team at the University of Queensland's Australian Institute for Bioengineering and Nano-technology (AIBN) is currently using gold to develop a rapid cancer detection test.

Gold is also being used in a new cancer treatment which targets cancer cells and has fewer toxic side effects than existing drugs. This very encouraging research was announced recently by Melbourne's RMIT University (RMIT).

Follow these links for more information on these important uses of gold:

<https://www.rmit.edu.au/news/all-news/2019/sep/golden-future-cancer-treatment>

<https://aibn.uq.edu.au/article/2018/12/universal-dna-nano-signature-cancer>

Regards,

Tony McPaul
Manager Special Projects
Regis Resources



Above: Gold is used in computers and mobiles; and is an important part of ground-breaking medical research.