



The bionic body

Keeping you fit and healthy

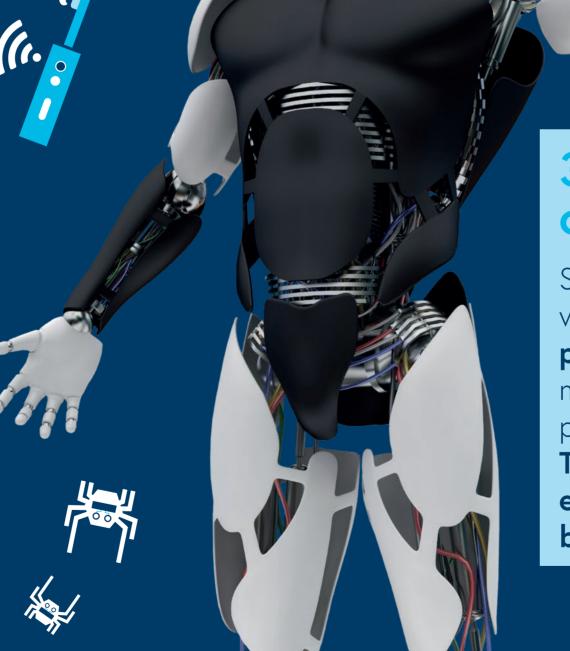
## **Embedded** intelligence

The latest electric toothbrush can tell you if you have a cavity forming and will even book an appointment with your dentist!



## Nanobot implants

Technologists are currently developing chips that could be implanted in the brain, allowing humans to be wired to the internet and communicate by thought.



3D printed organs

Scientists are
working on 3D
printed organs
made from a
patient's own cells.
They've already
engineered
bladders!

## Wearable sensors

Future wearable devices will be **ultra- thin, like temporary tattoos**. Possible uses include:

- allowing people with prosthetic limbs to detect touch
- controlling video games purely by monitoring brain waves
- monitoring a patient's health and releasing medicine when needed



## Prosthetic power

Body parts that are lost through trauma, disease or birth defect can be **replaced with prosthetics**, such as:

- dentures and artificial limbs
- hands that respond to thought
- prosthetic eyes that give a blind person sight
- implanted devices such as insulin pumps,
   pacemakers and artificial organs

Who knows what will happen in the future? Perhaps one day we'll have completely artificial bodies!

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