Unit 4|DREAMS FOR THE FUTURE| Content Connection – Science and Technology

Activity Book page 54 - 55

Exercise 14 – Read and Choose

1. **someone who studies the future**
   A. nanobot B futurist
2. **not real, but imagined**
   A imaginary B virtual
3. extremely small
   A. microscopic A. wireless
4. to change the way people think or act
   A. treat A. revolutionise
5. the science of extremely small things
   A. 3-D A. nanotechnology
6. pictures and sounds that simulate places
   A. virtual reality A. 3-D

Exercise 15 – Read and complete the words in the box. Then listen and check.

imagine nanotechnology robots 3-D virtual Wireless

TWO TRENDS in MEDICINE

Futurist, whose job is to study the future and help people prepare for the future, are talking about two important trends in the future of medicine. A trend is the way something is developing or changing, and these two trends in medicine may revolutionise the way illnesses and diseases are diagnosed and treated by doctors in the future.

One important trend in the future of medicine is (1)_____. The word nano means billionth. That's really tiny! Scientists who are working in nanotechnology are studying particles that are so small that they're invisible to the human eye! In fact, they have to measure these particles with a new unit of measurement, call the nanometre. Do you see the word "metre" in nanometre? You know how long a metre is, don't you? Can you (2)_____ something that is only 1/1,000,000,000 of a cricket bat?

One example of this is the nanobot. These microscopic robots are made of the same material that we're made of: DNA. In the future, scientist will be using nanobots to treat diseases and illnesses. For example, when you become ill in the future, doctors will put a nanobot into your body. The robot will find the cause of your illness and give you correct medicine to help it heal. Wouldn't that be great? Think about it: When you become ill, your insides will be like a video game: (3)_____ will be searching for the "baddies" in order to destroy them.

The second trend in the future is in (4)_____ medicine. Thirty years from now, when you've got a temperature and feel ill, you won't have to leave the house to go to a doctor. You'll be using (5)_____ technology to diagnose and treat your illness in your own home. In this futuristic scenario, you'll take (6)_____ pictures of your body using an object like a TV remote control. You'll upload these images to a website. The doctor will download the images, review them and upload medicine for you to download. If the doctor wants to talk to you, he or she will talk to you through a video call – or maybe he or she will "visit" you using 3-D technology. The doctor will look like he or she is in your house but it will just be a 3-B image. Wouldn't that be amazing?

The future of medicine promises to revolutionise the way illnesses and diseases are diagnosed and treated, as well as the way in which we interact with doctors. Do you think we're ready for this?

LIVEWORKSHEETS

Exercise 16 – Read 15 again and choose the correct answers.

1. The word "nano" means a _____.
   A. millionth B. billionth
2. In the future, doctors may put a _____ inside your body.
   A. nanobot B. robot
3. In the future, a doctor will look at 3-D _____of your body in order to treat you.
   A. objects B. images
4. Virtual medicine makes use of wireless _____ in your home.
   A. technology B. pictures

Exercise 17 – Complete the sentences with words from 14.

1. There are two trends in medicine that promise to _____ the way people's illnesses are diagnosed and treated.
2. _____involves the study of extremely tiny particles which are invisible to the human eye.
3. _____enables someone to enter an _____ world on the computer where places, objects and people seem almost real.
4. Nanobots are _____robots that can be put inside our bodies to find the cause of illnesses and help them heal.
5. A _____ is someone who analyses the future and assists with planning it.

LIVEWORKSHEETS