

MODULE 3

Virtual reality

2 a) **10.3.7** Match the applications of VR (1-6) to the pictures (A-F).

- 1 experience new planets without leaving Earth
- 2 practise operating on patients without any risk
- 3 go on a field trip without leaving the classroom
- 4 visit the world's best department stores from your home
- 5 simulate the construction of a new building
- 6 interact with other gamers in immersive gameplay



PRODUCTS OF THE FUTURE

Ex.1 Listen audio 22 and make sentences as in the example



1

fabric (cotton, silk, wool, nylon, etc)



2

metal (aluminium, steel, etc)



3

glass



4

wood (oak, pine, etc)



5

plastic

The bag is made of silk.

Ex. 3 listen to the audio 23 and read for questions 1-7, choose from the texts (A-C)

Which text mentions:

robust material?

1	<input type="checkbox"/>
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a form of recycling?

2	<input type="checkbox"/>
---	--------------------------

a potential first-aid use?

3	<input type="checkbox"/>
---	--------------------------

treasure-hunting?

4	<input type="checkbox"/>
---	--------------------------

a machine which needs

no putting together?

5	<input type="checkbox"/>
---	--------------------------

an easy way to go


shopping?

6	<input type="checkbox"/>
---	--------------------------

an invention with


limitless potential?

7	<input type="checkbox"/>
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TOMORROW'S WORLD

Think about a normal day. What do you usually wear? What technology do you use? What games do you play? Let's take a look into tomorrow to see what everyday life will be like in the (very near) future.



A What will we be wearing in the future? While some scientists are developing textiles that allow the wearer to generate electricity as they walk and others are working on clothes that monitor your fitness, Dr Manel Torres and Prof Paul Luckham have invented a spray-on fabric. The spray contains minute cotton, wool, linen or acrylic fibres that dry instantly on your skin and turn into garments like T-shirts or tops. You can wear it, wash it and wear it again – just like the rest of the clothes in your wardrobe. Then, when you get bored, you can dissolve it and use the material again to make something new. Fabrican took ten years to develop and Dr Torres hopes that in the future there will be spray booths in stores where you can drop in to design something new. They are also looking into its use for spray-on bandages and furniture coverings. So forget about that walk-in wardrobe because with Fabrican, all you need is a shelf.

Wouldn't it be great if you could just think of something you want and print it out there and then? Well, believe it or not, you can. For the first time ever, scientists have found a way to print out fully-functional machines using a 3D printer.

The first item is a bicycle made of nylon called the Airbike. It's as strong as steel but much lighter. It comes out as a complete bike, so there's no assembly required. The possibilities for this new technology are endless. Medical researchers hope that with a special cartridge of human cells and bio-friendly gel, they can use it to print out skin grafts for burn victims. They have already managed to demonstrate the potential medical uses by printing out a copy of a human ear in 30 minutes. This incredible invention will transform our lives beyond our imagination.



Even high-definition graphics and immersive gameplay can seem a little boring these days. It's time to take gaming to the next level – it's time for you to get inside the game! Virtual reality (VR) headsets are lightweight gadgets that fit over your eyes with a built-in microphone and headphones to give you the impression that you're in the 3D world of the game. It's like you're the one who's driving the car, fighting the zombies or searching for the lost treasure. VR headsets are not just for gamers, though. They're also useful in healthcare to train surgeons, and in space exploration to help NASA explore Mars. In the future, experts say VR headsets will have many more uses. You are going to be able to go to a virtual department store, take a virtual tour around a museum or attend live performances and sporting events where it looks, feels and sounds like you're in the audience. So before long you'll be doing whatever you want, wherever you want, without ever leaving your living room!