## Reading and use of English
### Part 2

**1** **EXAM** **For questions 1–8, read the text below and think of the word which best fits each gap. Use only one word in each gap.**

**Exam tips**

- Read the words before and after the gap to determine what kind of word is missing.
- When you have finished, reread the whole text to make sure it makes sense.

# Eye photography

Have you ever wondered what your eye looks like (1) _____ close? Now you can turn your eye (2) _____ a work of art! New technology allows cameras to take clear and detailed photos of your iris, (3) _____ is the coloured tissue at the front of the eye. This part of your eye controls the size of your pupils to determine how (4) _____ light to let into the eye. The iris contains more than 200 different characteristics that are individual (5) _____ each person. (6) _____ eye and fingerprint recognition are common nowadays, but the iris is more accurate.

Eye photography is a new trend that combines art and technology. Your right and left iris are different, so photos are taken of each to allow you to choose the one you prefer. Once you've made you choice, the photo can be printed instantly. The whole process only takes around ten minutes. You can even (7) _____ the image of your iris put on jewellery or cushions. Eye photography is a quick and relatively cheap (8) _____ to have a piece of art that is truly one of a kind.





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# 4

## Vocabulary

### Technology

**1** **Complete the sentences with the missing words.**

1 As a _____ Sarah spends most of her free time learning about robotics and artificial intelligence.
2 The library's _____ allows teenagers to connect to the Internet for free.
3 Jack uses a _____ software to design and share his own comic book online.
4 Since the pandemic, _____ gaming has become an essential tool for teenagers to stay connected with their friends and family.
5 Emily was frustrated when the _____ couldn't answer the questions about her lost parcel.
6 Jacob used a _____ to save a useful webpage so he could return to it later.
7 With the advancement of _____, a lot of jobs won't be performed by humans anymore.
8 Jenny wants to study _____. She has already started designing and building her own robot.

### Science

**2** **ERROR CORRECTION** **Each of these sentences contains a mistake. Underline and correct it.**

1 In the future, artificial intelligent is going to play a big role in healthcare.
_____
2 Rachel is fascinated by the mind. She wants to study psychologist at university.
_____
3 Do you know of any recent science discoveries?
_____
4 My favourite class is robots because I love learning about how robots are designed and how they operate.
_____
5 My uncle is a nanotechnology, he works with microscopically small things. It's really interesting!
_____
6 I'm thinking of joining the ecological club at school to find out how I can help the environment.
_____
7 Pam got a telescope for her birthday because she's really into evolution.
_____
8 Did you know that twins only share around 50 percent of the same genetics?
_____

## Listening

### Part 4

**1** **EXAM** **You will hear part of an interview with a teacher, Camila Ramirez, who runs a robotics project at her school. For questions 1–7, choose the best answer (A, B or C).**

1 What does Camila say is the main advantage of using robotics in the classroom?
A Every student has the chance to learn maths.
B Students can construct and program robots.
C It benefits students who struggle to learn by reading only.

2 What does Camilla say about students in her robotics project compared to other classes?
A They seem more passionate.
B Their behaviour is better.
C They laugh and joke more.

3 What difficulties do teachers have to make a robotics project?
A They don't have enough money.
B They aren't interested in teaching it.
C They don't have time to learn about it.

4 Why do some schools have more difficulty with robotics?
A They can't get any help from the government.
B Their devices break easily.
C They don't have enough equipment.

5 How does Camila feel about the future of robotics projects?
A proud
B hopeful
C frustrated

6 What does Camila say about robotics?
A It's only for students who want STEM careers.
B It teaches skills that can be used in other areas.
C It's an interesting experience for students.

7 In Camila's online robotics project, students can
A do a robotics project at the same time as Camila's class.
B ask Camila questions about robotics.
C use her ideas to start their own robotics.

**Exam tips**

- Read all the questions and underline the key words.
- The first time you listen, cover the options to avoid distractors (words trying to make you choose the wrong answer).



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## Grammar

### Passive – all verb tenses

**1** **Read the sentences. Write *P* for passive and *A* for active.**

1 ☐ Companies use artificial intelligence to analyse data and make informed decisions.
2 ☐ Treatment plans are developed by hospitals using advanced technology.
3 ☐ Customer service is provided by retailers using AI-powered chatbots.
4 ☐ Quality control is improved by manufacturers using robots.
5 ☐ Financial institutions use machine learning to detect and prevent fraudulent activities.
6 ☐ Transportation companies use computer systems to choose the best routes and schedules.
7 ☐ User-generated content is moderated by social media platforms using intelligent agents.
8 ☐ Educational institutions use deep learning to personalise learning experiences for students.
9 ☐ AI-generated images are now often used in advertising and social media.
10 ☐ Some robots work in restaurants, doing simple tasks like clearing plates.

**2** **Complete the sentences with the correct active or passive form of the verb in brackets.**

1 Teenagers can _____ (access) the Internet from their smartphones.
2 Photos can _____ (attach) to social media posts easily.
3 Gaming experiences _____ (share) online.
4 Nick and Jonas _____ (upgrade) their gaming devices to play the latest games.
5 Social media accounts _____ sometimes _____ (hack into) for fun.
6 The girls like _____ (hang out) with their friends at the mall.
7 Gaming consoles can _____ (hook up) to the TV to play games.
8 _____ the school _____ (put up) posters to raise awareness about cyberbullying?
9 Did you know you can _____ (scroll) up and down to read your chat history?
10 They never _____ (shut down) their laptops when they're done with their homework.
11 Teenagers love _____ (sign up) for online courses to learn new skills.
12 Coding _____ (take up) as a hobby by many students.
13 Expensive smart phones _____ (buy) by all types of people.
14 Deejay _____ (read) about nanotechnology every day after class.

**3** **Rewrite the sentences in the passive voice.**

1 The system will back up the data immediately.
2 The user accesses the database by entering a valid username and password.
3 You need to charge your phone.
4 The teacher attached the document to the email and clicked the send button.
5 Email from an unknown sender go to the spam folder.
6 The students ask questions in the group chat.
7 The class invited Sam to hang out after school.
8 An ex-student had hacked into the school database.
9 The IT department has upgraded the software to the latest version.

**4** **ERROR CORRECTION** **Read the text. Decide if the underlined verbs are correct or incorrect. Put a tick (✓) next to the correct verbs. Correct the incorrect ones.**

Artificial intelligence (AI) (1) ☐ has been changed the way we live and work, but human creativity (2) ☐ can't replace by AI. Some repetitive jobs (3) ☐ will be done by AI. However, for the time being this will mainly be in large companies. It could take years for AI (4) ☐ to be implemented into work processes in smaller businesses since changing systems (5) ☐ is been very expensive. In some countries, education systems (6) ☐ are being changed to include more training on AI, since this will be so important for jobs in the future.

### Impersonal passive

**5** **Reorder the words to make sentences.**

1 he / is / super robot / that / said / a / invented / it
2 is believed / it / she / lives / school / the / near / that
3 any / was / there / hoped / that / it / problems / be / won't
4 students / on / arrive / that / was / expected / it / time / all
5 it / that / claimed / close / will / school / the / is
6 is / artificial / thought / that / the / is / intelligence / future / it
7 study / hoped / students / was / it / time / that / the / to / have
8 arrive / morning / in / Mradula / expected to / the / is / at / laboratory / the


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