

Break the mould



Lead in

Discuss the quotations. What do you think the authors meant? Which quotation would you agree with more? Why?

“The advance of technology is based on making it fit in so that you don't really even notice it, so it's part of everyday life.”

- Bill Gates

“It has become appallingly obvious that our technology has exceeded our humanity.”

- Albert Einstein

1

a. Look at the pictures. How can these things help us in our daily lives? Which of the inventions has had the greatest effect on our lives?

b. What is the driving force of innovations?

- survival
- knowledge
- globalization

2

a. Circle the correct word in 1-8, then replace the phrases in italics in sentences A-H with one of these expressions in the correct form.

1. *reinvent/invent* the wheel
2. turn over a new *leaf/page*
3. *choose/change* one's tune
4. fall *into/onto* place
5. *crash/break* the mould
6. be set in *stone/rock*
7. *stand/stay* the test of time
8. it's not *Greek/rocket* science

- A. How do you feel about scientists who *waste time creating something that already exists*?
- B. Why is using modern gadgets *not challenging* for kids?
- C. In which situation perseverance is enough for everything to happen *in a satisfactory way*?
- D. What traditions do you have in your family that *have not changed over the years*?
- E. Why do teenagers tend to *do things differently*?
- F. Which of the current items of technology will *be popular in the future*?
- G. What or who can help a bad student *to change their way*?
- H. What may force people to *change their opinion completely* about technology?

3

Make compound nouns and complete the gaps in the sentences below.

OVER

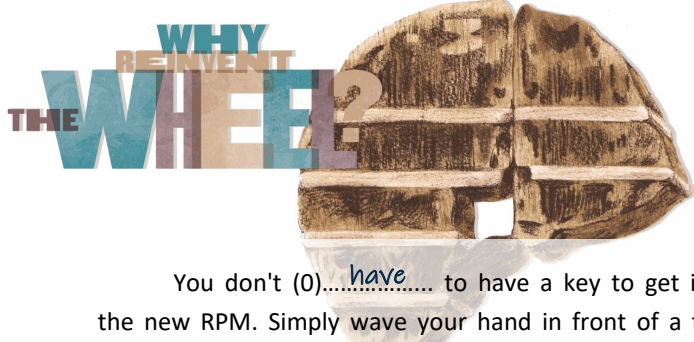
- kill
- load
- play
- whelmed
- look
- use
- come

1. People today suffer from information
2. Should I add an explanation, or would that be
3. The of X-rays may be causing 250 deaths each year.
4. In the desire for innovations in education, we have a tendency to the importance of digital resources.
5. I don't know about you, but I sometimes feel by technology.
6. Their discovery challenges the validity of past research and highlights how assumptions may key causes.
7. Do advances in medical science suggest that humanity can the limitations of ageing?

Use of English—Part 2

1

a. 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.



You don't (0).....have..... to have a key to get into the new RPM. Simply wave your hand in front of a tiny sensor that scans your fingerprints, and the doors open. But they will do so (1)..... if you're the owner of this £60,000 luxury automobile. (2)....., it will sit there, locked against the world in smug perfection. However, the RPM G6's sensor is (3)..... just a security device. Having identified your fingerprints, the car's computer turns the radio to your favorite stations, and the mirrors swivel according to your established preferences.

While it would be churlish not to admire these innovations, one can't help wondering, "Is this (4)..... our most creative engineers are doing with their lives? They should be doing something more significant than this shouldn't they?" We (5)..... to invent things not to satisfy idle whims, but to change the world. The wheel, powered flight, the telephone — these were important developments about (6)..... one could get excited. A remote control-operated sliding door for your car, on the other hand, is not. As technology progresses, we become hungrier for diversion and (7)..... easily fooled into buying things that will, in fact, do little (8)..... anything to improve our lives.

b. Discuss the following questions:

- Do you believe that technology is improving our lives?
- Which piece of technology would you describe as 'an idle whim'?
- Which areas of technological research should be given more/less attention to?

Read the following quotation:

"Advances in technology can be empowering, progressive and enriching. History has shown this across civilizations and societies. But it has also shown, and the present and future will continue to show, that it is foolish, risky, flawed and folly without us raising our individual and collective consciousness and mindfulness to accompany it - to ensure we use it shrewdly, kindly and wisely."

— Rasheed Ogunlaru

Write a paragraph, evaluating the quotation and giving examples to support your views.

Use of English—Part 3

2

For question 1-8, read the text below and decide which answer (A, B, C or D) best fits each gap. There is an example at the beginning (0).

**BENEFITS
STEMMING
FROM
SPACE
EXPLORATION**

To a great (0)....., the benefits from space exploration are rooted in the generation of new knowledge, which is the first reward and which has inherent (1)..... to humankind. Technological knowledge yields many innovations that benefit the public. Scientific knowledge acquired from space (2)..... humankind's understanding of nature and frequently unlocks creative and useful Earth-based applications for society. In the longer term, the knowledge (3)..... over many missions and the expansion of human presence into the Solar System help people gain (4)..... on the fragility and rarity of life in the Universe.

Space exploration stimulates the creation of both tangible and intangible benefits for humanity. Tangible (5)..... include all the innovation-related applications and benefits resulting from investments in these programmes, such as new devices and services that (6)..... into the marketplace. In addition, space exploration furthers workforce development and industrial (7)....., thus leading to an overall stimulation of private companies and industries, all of which contributes significantly to the economic progress of (8)..... nations.

- | | | |
|---|--------------------------------------|-------------------------------------|
| 0 | A point
B ratio | C degree
D <u>extent</u> |
| 1 | A value
B validity | C worth
D merit |
| 2 | A stretches
B enlarges | C expands
D unbends |
| 3 | A applied
B collected | C broadened
D accumulated |
| 4 | A angle
B perspective | C view
D stance |
| 5 | A upshots
B influences | C impacts
D affects |
| 6 | A pay off
B spin off | C take off
D make off |
| 7 | A aptitudes
B capacities | C capabilities
D abilities |
| 8 | A space-faring
B space-travelling | C space-walking
D space-shipping |

Listening — Part 2

1

a. Work with a partner and discuss what has happened to the phones in the photos. How do you think the owners feel and what they should do next?



b. You will hear five short extracts in which different people talk about doing without their mobile phones.

For questions 1-5, choose from the list (A-H) what reason each speaker gives for doing without their mobile phone.

- A it was too distracting
- B it disappeared
- C it was broken beyond repair
- D it was someone else's fault
- E it was not waterproof
- F it was stolen
- G it was lost
- H it needed expert attention

Speaker 1 1

Speaker 2 2

Speaker 3 3

Speaker 4 4

Speaker 5 5

For questions 6-10, choose from the list (A-H), what each speaker missed most about their mobile phone.

- A being connected
- B making phone calls
- C social media
- D some personal pictures
- E favourite apps
- F getting woken up
- G games and email messages
- H a complete list of contacts

Speaker 1 6

Speaker 2 7

Speaker 3 8

Speaker 4 9

Speaker 5 10

c. Do you think using mobile phones too much is detrimental to our physical or mental health? Why/Why not?

Use of English - Part 4

2

For questions 1-6, complete the second sentence so that it has a similar meaning to the first sentence, using the word given. You must use between three and eight words, including the word given.

- 1 This piece of technology will slowly die out before the end of the century.
have
Little become obsolete by the end of the century.
- 2 I'll be leaving to go in to the laboratory in a minute.
just
I go in to the laboratory.
- 3 We cannot respond to your query until we hear from our researchers in Taiwan.
soon
..... hear from our researchers in Taiwan, we'll respond to your query.
- 4 They're sure to discover a cure for malaria in the next ten years.
bound
A cure for malaria some time in the next decade.
- 5 The twenty-thirties, which are almost upon us, may see changes in how we study.
fast
Changes in the way we study may occur in the twenty-thirties, a decade
- 6 She's really excited about going to the Physics Fair at the university on Saturday.
to
She spending Saturday at the university Physics Fair.

3

For questions 1-3, think of one word only which can be used appropriately in all three sentences.

- 1 • The scientists in question disclaim any intent to push frontiers other than those of human understanding.
• Passing data and forth between multiple devices will become seamless and expected.
• They've forced us to cut on our electrical usage, especially in the summer.
- 2 • Apparently the only way to see it like that now is to get up at the of dawn.
• They managed to the code and read the secret message.
• That comedian really knows how to up an audience.
- 3 • However, we took all the precautions we could and made it out and on the air, safe and
• I am sure that if there's a reason for doing so, I will still prescribe newly released medications for my patients.
• They always off about how they think the country should be run.