

B2 全场景覆盖表达
口语主题陈述——科技类

TECHNOLOGY

- **Technology** (n.) Countable and Uncountable
- Technology is powerful (uncountable)
- A.I. is a powerful technology (countable)
- **Tech** = art, skill, craft. - **ology** = subject of study

TECHNOLOGY

What is 'technology' ?

- “Scientific **knowledge** used to solve problems”

We can use it to...

- create **tools**... (a pen, an i-phone)
- improve **processes** (communication)
- These tool / process / systems are also called technology!

COLLOCATIONS

All of the following more or less mean 'new'

- New technologies
- Latest technologies
- Emerging technologies
- Modern technologies

COLLOCATIONS

The following are also common collocations with 'technology'

- Disruptive_____ 破坏性的
- Cutting edge _____ 尖端, 最前沿
- State-of-the-art _____ 最先进的, 达到最高水准的
- Upcoming _____ 即将来临的
- Old-fashioned_____ 过时的
- Out of date_____ 过时的

VERBS + TECHNOLOGY

Introduce / adopt / develop / exploit / use new technologies

- They should be allowed to wait for cheaper technologies to be developed.
- We want to introduce the latest technology into schools.
- As computer systems become even more sophisticated, so too do the methods of those who exploit the technology.
- Sometimes small businesses are typically able to adopt and take advantage of emerging communications technology more quickly than can large businesses.

WORD FAMILY

- Technology (n.)
- Technical (adj.)
- Technological (adj.)

- **Technical** skills / knowledge
- It' s a bit **technical**. (=difficult to understand) Say it in **layman' s terms**. (=simple English)
- technological advances 科技进步
- technological change 科技革新
- a major technological breakthrough 重大科技突破

EMERGING TECHNOLOGIES

- **AI** = the simulation of human intelligence in machines that are programmed to think like humans and mimic their actions.
- **VR** is a computer-generated environment with scenes and objects that appear to be real (e.g. video games, pilot simulation)
- **IoT** = refers to a system of internet-connected objects that are able to collect and transfer data over a wireless network without human intervention (e.g. energy management, water distribution, contactless payments, smart homes)
- **Biometrics** identifies and authenticates individuals based on their physical or behavioral characteristics. (e.g. Fingerprint recognition, voice recognition, face recognition)
- **Robotics** - developing **robots** that substitute for (or replicate) human actions (e.g. Roomba vacuum, car manufacturing)

SPEAKING TIP

- *If you don' t know much about a certain Speaking Topic like **technology**, don' t worry, you don' t need to be an expert. You just need to know enough about it to discuss it.*
- Technology is not really my thing, but I think...
- I' m by no means an expert, but I would say...
- I' m a bit of a technology buff, and the way I see it...
- I' m far from an expert, but as I see it...

TECHNOLOGY: A GOOD OR A BAD THING?

On the positive side.....

- It allows us to _____
- It means we have been able to _____
- It' s enabled us to _____
 - ...communicate more effectively
 - ...develop stronger economies
 - ...improve our quality of life

正面影响

For daily life

- It enhances all aspects of life:
 - 1. 提高生活质量
 - It boosts the quality of life (the popularity of various household/domestic appliances)
 - 2. 健全的交通系统
- We have well-developed transportation system
- 3. 改编消费习惯和支付习惯
- It has changed our shopping habit (from physical stores to online shopping).
- Payment (from cash or credit cards to e-payment system like Alipay or Wechat)
- It' s timesaving and energy-saving.

正面影响

- 4. 改变工作和学习方式
- It has changed our way of studying/working: telecommuting/distance learning.
- People won't bother with traffic congestions.
- 5. 提供了解信息的渠道
- It offers us different channels to acquire information: news apps, e-books and videos.
- 6. 改变人们的沟通方式
- From letters to social media, we can socialize with friends around the world.
- (make video calls, distance is no longer a concern)
- 7. 各种便民App
- Useful apps which bring convenience and make our life more efficient.

正面影响

For education

- 1. 现代化教育提高效率
- The application of modern teaching technology improves the efficiency
- 2. 高科技产品推动科研的深入
- In the research field, the high-tech products make it possible for researching in extreme conditions like polar regions, primitive forests and deep oceans.

正面影响

For farming

- 提高食品产量，减少饥荒
- High technology boosts the grain yield and reduces famine. The improvement of farming method/techniques and farming equipment saved much time and energy for farmers.

For medical field

- 治愈难疾，延长寿命
- The high technology can cure more diseases than the past and prolong our lifespan.

TECHNOLOGY: A GOOD OR A BAD THING?

At the same time, there have also been _____

- side effects
- unexpected outcomes
- unwanted by-products
- undesirable consequences
- ...such as pollution and the depletion of natural resources

- Technology is great, but we might lose our privacy or get **unsolicited** (=unwanted) advertisements, but maybe that's the price we pay!

负面影响

- 1. 环境的代价
 - Some of the new technology is developing at the cost of environment, and we have caused some irretrievable damage to the nature, and the extinction of creatures are speeding up.
- 2. 人与人之间疏离
 - People become alienated from each other because we depend too much on/heavily rely on high technology products, neglecting communication in reality.
- 3. 缺乏自律的人容易沉溺，荒废时间
 - People who lack self-disciplining are inclined to be addicted to digital products, idling away their time.

IDIOMS TO TALK ABOUT TECHNOLOGY

- The technology behind a pen is **not rocket science** = *It's simple*
- My computer is **running like clockwork** (= working perfectly)
- The iPhone **was ahead of its time** (= *too advanced to be fully understood at that time in the past*)
- You' ve **hit the nail on the head** (= *you are exactly right*)

IDIOMS TO TALK ABOUT TECHNOLOGY

- I' ve no more ideas, I have **run out of steam** (= *lost all energy and enthusiasm*)
- My boss **has a screw loose** = (crazy)
- New technologies **cost an arm and a leg** (=expensive)
- to hit the **panic button** =take emergency measures

科技类常见问题汇总

- Do you use any gadgets on a daily basis?
- Yes, surely I do. Although I don't consider myself a geek, I quite enjoy using all the new items like laptops and smartphones. All in all, we're living in the computer age and it's impossible to ignore cutting-edge technology.

- How often do you use Internet?
- I use Internet every day. It helps me with my studies and it entertains me when I' m down. Surfing the Internet is my hobby. I also frequently use World Wide Web for communication purposes. Though I don't like social media like Weibo, I often use video conferencing for talking.

- Do you own a computer? If so, how often do you use it and for what purposes?
- Yes, I have a personal computer and a laptop. I use my laptop mainly for education. It is very light and fits in my bag easily, so I take it with me to school. Meanwhile, my PC has a large screen and convenient keyboard, so I use it for word processing and browsing websites. It is an old, but still well-oiled machine.

- Do you think we need to know much about computers?
- Well. Not too much, but there is definitely a couple of essential things everyone should know. First of all, you need to know how to enter a web address, how to navigate websites. It is very important nowadays to be able to surf the net for the information you need.

- What is the most impactful piece of technology in our lives?
- In my point of view, the Internet is the most important technological advance of our time. It gives us so many new opportunities to discover anything we want about our world! You just need to boot up your computer and go online. And with wireless networks at home and public Wi-Fi hotspots we can do it easily and almost everywhere.

- How computers affect our everyday life?
- In a positive way, certainly. They help with so many things, starting from writing and printing your own essay and ending with developing advanced programs and digital editing. Without computers studying would have been time-consuming and inefficient.

- How effective is the use of computers in the classroom?
- Hmm.. in my opinion, using computers in the classroom is very effective. I think it is important for students to become competent in the use of computers to prepare them for the workplace. you know, computers are used everywhere in the workplace now. But I also think that having computers so easily available gives teachers the opportunity to introduce students to the variety of information on the Internet.

- How often do you use your mobile phone?
- Well, obviously I use my mobile phone on a daily basis. I always use it to get in touch with my family and friends. Besides, I play games in my mobile phone when I have nothing to do at home in the day time.

- Can you describe your mobile phone?
- Currently I' m using HUAWEI P40 Pro. Though it was quite expensive, it came with lots of exciting features and apps. The screen response is perfect and the thumb print works 100% of the time and is really convenient to get into the phone. Besides, the camera is the Ultra Vision Leica Camera, and does not have the delay so I can always capture the stunning moment anytime and anywhere you want.

- How has your mobile phone changed your life?
- Oh, the mobile phone has definitely changed my life dramatically. Probably the most interesting change is that the mobile phone has freed me from the constraints of space. For example, it is no longer necessary for me to apologize if I am late for a meeting with my friends because of some unexpected situation. I just make a telephone call. I think my life is fully mobile.

- What is the best age for children to start computer lessons?
- With the introduction of the Internet, the world is getting flatter than ever before. Therefore, it is becoming more vital for children to master computer skills to meet the need for future careers. However, computers can be addictive and harmful without parental guidance so maybe 10 is a proper age.

- Do you think that schools should use more technology to help children learn?
- Yes, why not? The Internet was one of the cutting-edge innovation of all time and we should utilize it. Schools should be equipped with state-of-the-art technology and the fastest Internet speed so that students can research and access enormous resources online. In fact, they can even self-study their favorite subjects with the availability of online courses.

- Do you agree or disagree that computers will replace teachers one day?
- That is, in fact, very possible and it is happening now. As I mentioned before, online classes are increasingly popular due to time flexibility and low cost so people can basically study anything on the Internet without human interactions. Technology can be indeed labor-saving.

- How much has technology improved and how we communicate with each other?
- It dramatically changed the way we talk. Before letters and snail mails were the most common methods of communication, well, it is a different story now, people can send instant messages and make free international calls so distance is no longer a problem...only Internet speed is.

- Do you agree that there are still many more major technological innovations to be made?
- Yes, I think so. One of the features of technology is that it can get outdated pretty quick such as a smartphone or laptop. New applications or functions are born every day which obsolete the previous models incredibly fast. I believe there are so many new technology waiting to be discovered.

- Could you suggest some reasons why some people are deciding to reduce their use of technology?
- Well yeah, technology comes along with its pros and cons. In computer time, everything can be done online and people seemingly spend more time with their electronic gadgets than with their family members and friends. It is a sad thing as lack of human interactions can easily lead to physical and mental illness such as obesity and autism. I guess some people realize the side-effects and start to reduce their time with technology.

- What are some great inventions you know about?
- Two great inventions that I know of are the wheel and telephone or cellphone. These inventions are so important in daily life that their absence can cause loss of human lives. For example, without the phone it would be very hard to report an accident immediately. Without wheeled motor vehicles it would be impossible to quickly rush victims of an accident to a hospital.

- Do you think that the advance of technology has improved standards of education in schools?
- Advanced technology such the use of computers and the internet has improved the standards of education in schools. These technologies allow the students and teachers to find answers to their academic questions. For example, they can find the answers to their academic problems from other parts of the world through the internet when no available answers can be found in their locality.

科技类口语陈述

Describe your favorite gadget.

You should say:

- What is it
- When did you get it
- How often do you use it
- and say why is it so important to you.

- I don' t own many gadgets... I have a PC, laptop and a smartphone and I can' t imagine my life without either of those... However, my laptop is the most important piece of technology for me... I got it as a birthday present from my parents a few years ago and I use it nearly every day now. Although at first using it was like rocket science for me, after a few weeks I was able to do everything I needed... From browsing websites to reinstalling the operating system... What's more, without my laptop I wouldn' t be able to do my homework for the university... Also, I use it for surfing the Internet and finding whatever I want, whether it is a piece of code for my project or a useful tip on how to cook a steak... Generally, my laptop became an essential device for me...

Describe a time when you started using a new technological device (e.g. a new computer or phone)

- You should say:
- What device you started using
- Why you started using this device
- How easy or difficult it was to use
- And explain how helpful this device was to you.

- Today I would like to tell you about my first time using a smartphone which was about 10 years ago.
- Well, I guess I am not really a **techie** or any type of technology fan. That is the reason why having the first smartphone was really an **eye-opening experience** for me. I got it from my mother as a birthday gift on my 18th birthday and I absolutely loved it.
- At that time, I had just been accepted to college and I needed an electronic gadget which is convenient as a computer and **portable** as an iPod. A smartphone from Samsung was not a bad start. You know.. it is like **having a whole world in my pocket**. I can surf the Internet, send an email, make

- The cellphone was so **user-friendly** that it took me only 1 hour to figure out all the functions and made the most out of it.
- With the help of this device, I no longer had to carry around my heavy laptop and still could access emails and messages especially it became very **handy** when I went abroad. Moreover, this phone also replaced a digital camera so it kept many pictures and memories which I can revisit whenever I want.
- That's all I want to share.

Talk about some technology that you have started using fairly recently.

- You should say:
- What it is and what it does
- How it makes life better or easier
- How it is different to other similar technology
- And say whether you think you will still be using it in ten years' time or not, and why

- I bought a bicycle two months ago from a shop near our house. **At first**, I thought of buying a large-sized bike. However, I wanted the other members of my family to use it too so I bought I medium-sized one.
- My new bike is **very helpful to me**. My weekly routine includes going to work, the supermarket, and park. These are **short-distance destinations** which I can get to without driving a car.
- **Life is a lot better now** that I have a bike. **For one thing**, I am able to save money. I spend less money now on gas because I don't have to use my car for short-distance trips. **For another**, I will also spend less money for car repair because my car's lifespan will increase for infrequent use. Riding a bike is also a form of aerobic exercise which gives your heart and lungs a good workout. This **protects** people from diseases

- A bicycle is different from other vehicles. **First**, it does not require fuel and therefore helps save the planet by **reducing air pollution**. **Second**, finding a parking area is not a problem if you use a bicycle. **Third**, riding a bike is a form of exercise while driving other vehicles is just a sedentary activity.
- I will still be using a bicycle in ten years' time because **the benefits are huge**. I am able to save money since I don't have to buy fuel. I am also able to maintain my good health. Lastly, I am able to get to my short-distance destinations **conveniently**.

Describe the effects of technology in your school.

- You should mention:
- What the technology is
- When it appeared in your school
- Whether it could replace a human teacher
- And explain the negative and positive effects it has

- So, about 18 months ago we began using computers in our school. Some teachers would assign some homework that had to be done by using the internet or software on the computer.
- For instance, there was the time our English teacher had asked us to find some reading and listening passages and texts from the internet and we had to share them with others. **But these passages and texts had to be converted to PDF format before we could share them.** Our maths teacher wanted us to look up websites related to maths problems and use them to help us improve our maths skills. Which it did, for the most part.
- Now, about the third question; **whether it could replace a human teacher?** I don't think that technology will ever replace human teachers, well, at least not at lower levels of the education system. **Teaching isn't just giving students problems to solve on a computer or looking things up on the internet.** There's so much more to it than that.

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- Teaching and learning needs to be based on human relationships. The way a teacher interacts with his or her students has a significant influence on their learning. There are many, who chose to become a teacher because they were inspired by their own teacher, or they chose that career because their teacher recommended it to them.
- At present, people are saying that computers are able to express emotions and feelings, but I believe they can never really have real human qualities and characteristics. There will always be that synthetic aspect to them. I would find it very difficult to build a rapport with a robot or a machine.
- In contrast, when you see your primary school teacher after, I don't know twenty years, and depending on the type of relationship you had with them, you will feel an emotion or feeling connected with that teacher. Of course, technology is progressing so quickly that we can't even begin to imagine what will happen in the future. Maybe cloning technology will provide us with some extraordinary developments, but that's a different topic.