wishyou.today learning

day 178 media and experiments

Chinese TOCFL B in 220 days
unit 27 · science & technology

Talk about the media, TV and science experiments, and say “clearly…, (and yet)” with 明明.

Ads, TV and experiments: and when something is obvious but someone doesn’t see it, 明明 is the word you need.

words

word	pinyin	meaning	example
媒體	méitǐ	media	媒體的力量很大。 The media is very powerful.
信號	xìnhào	signal	山上的手機信號不好。 The phone signal in the mountains is bad.
電視臺	diànshìtái	TV station	電視臺明天要來拍我們的活動。 A TV station is coming to film our event tomorrow.
互動	hùdòng	interaction; interactive	這個老師很重視跟學生的互動。 This teacher puts a lot into interacting with students.
標題	biāotí	title, headline	這篇文章的標題很有意思。 This article has an interesting headline.
傳播	chuánbò	spread, broadcast	這個消息很快就傳播開了。 The news spread fast.
收看	shōukàn	watch (TV)	這個節目很多人收看。 Lots of people watch this programme.
宣傳	xuānchuán	publicity; promote	博物館請我們幫他們做宣傳。 The museum asked us to do their publicity.
測試	cèshì	test	新的網站要先測試一下。 The new website needs testing first.
實驗	shíyàn	experiment; do experiments	我們今天在學校做了一個實驗。 We did an experiment at school today.
試驗	shìyàn	test, trial (of something new)	這種新藥還在試驗。 This new drug is still being tested.
物理	wùlǐ	physics	我從小就喜歡物理。 I’ve loved physics since I was a kid.
物質	wùzhí	matter, substance; material	水是一種物質。 Water is a substance.
明明	míngmíng	clearly, obviously (and yet)	他明明知道，卻說不知道。 He knows perfectly well, but he says he doesn’t.
震動	zhèndòng	shake, vibrate	手機震動了一下。 The phone buzzed.
薄弱	bóruò	weak (base, will, point)	他的數學基礎很薄弱。 His grounding in maths is weak.

呈現	chéngxiàn	show, present, appear	這張圖呈現了臺灣的四季。 This picture shows Taiwan's four seasons.
等級	děngjí	level, grade, class	這家飯店的等級很高。 This hotel is very high class.

pattern 明明: clearly (and yet...)

someone | 明明 | an obvious fact | ，卻 / 怎麼.....?

明明 stresses that something is plainly true, and the next part says that what happened doesn't fit: 他明明知道，卻說不知道. It often sounds a little annoyed or puzzled, with 卻, 可是 or 怎麼 after it.

經理，我明明昨天就把設計寄給你了，你怎麼說沒收到？ **jīnglǐ wǒ míngmíng zuótiān jiù bǎ shèjì jì gěi nǐ le nǐ zěnme shuō méi shōu dào** Manager Li, I definitely sent you the design yesterday: how come you say you didn't get it?

決定以前，先測試一下大家是否喜歡。 **juédìng yǐqián xiān cèshì yíxià dàjiā shìfǒu xǐhuān** Before deciding, let's test whether people like it.

考試的時候不得看手機。 **kǎoshì de shíhòu bùdé kàn shǒujī** Phones must not be looked at during the exam.

他一口氣把三個實驗都做完了。 **tā yìkǒuqì bǎ sān ge shíyàn dōu zuò wán le** He did all three experiments in one go.

dialogue a new client

manager li 好消息！科學博物館看了我們的茶葉廣告，請我們幫他們做宣傳。下星期就簽約。
hǎo xiāoxí kēxué bówùguǎn kàn le wǒmen de cháyè guǎnggào qǐng wǒmen bāng tāmen zuò xuānchuán xià xīngqí jiù qiānyuē · Good news! The science museum saw our tea advert and wants us to do their publicity. We sign next week.

david 太棒了！我從小就喜歡物理。小時候我最喜歡把不同的物質放在一起，看會發生什麼事。
tài bàng le wǒ cóngxiǎo jiù xǐhuān wùlǐ xiǎo shíhòu wǒ zuì xǐhuān bǎ bùtóng de wùzhí fàng zài yìqǐ kàn huì fāshēng shénme shì · Brilliant! I've loved physics since I was a kid. My favourite thing was mixing different substances to see what would happen.

manager li 他們下個月有新的活動，讓大家自己動手做實驗，分成三個等級，從簡單到難。這次的活動以小朋友和家長作為主要的對象，電視臺也會來拍。
tāmen xià ge yuè yǒu xīn de huódòng ràng dàjiā zìjǐ dòngshǒu zuò shíyàn fēn chéng sān ge děngjí cóng jiǎndān dào nán zhè cì de huódòng yǐ xiǎopéngyǒu hé jiāzhǎng zuòwéi zhǔyào de duìxiàng diànshìtái yě huì lái pāi · Next month they're launching hands-on experiments for visitors, in three levels from easy to hard. It's mainly aimed at children and parents, and a TV station is coming to film it.

anna 博物館新開發的機器都做好了嗎？
bówùguǎn xīn kāifā de jīqì dōu zuò hǎo le ma · Are all the museum's newly developed machines ready?

manager li 有一台還在試驗，下個月就好了。那台機器用了很先進的技術。
yǒu yì tái hái zài shìyàn xià ge yuè jiù hǎo le nà tái jīqì yòng le hěn xiānjìn de jìshù · One is still being tested; it'll be ready next month. It uses very advanced technology.

anna 我們可以做一個互動的廣告，讓大家在手機上也能做小實驗。
wǒmen kěyǐ zuò yí ge hùdòng de guǎnggào ràng dàjiā zài shǒujī shàng yě néng zuò xiǎo shíyàn · We could make an interactive advert, so people can do little experiments on their phones too.

manager li 好主意，可以引起小朋友對科學的興趣。
hǎo zhǔyì kěyǐ yǐnqǐ xiǎopéngyǒu duì kēxué de xìngqù · Good idea: it could get children interested in science.

david 標題就叫「科學就在你身邊」！
biāotí jiù jiào kēxué jiù zài nǐ shēnbiān · And the headline: "Science is all around you"!

manager li 不錯。不過決定以前，先測試一下大家是否喜歡。安娜，你的設計呢？
búcuò búguò juédìng yǐqián xiān cèshì yíxià dàjiā shìfǒu xǐhuān Ānnà nǐ de shèjì ne · Not bad. But before we decide, let's test whether people like it. Anna, where's your design?

anna 經理，我明明昨天就把設計寄給你了，你怎麼說沒收到？
jīnglǐ wǒ míngmíng zuótiān jiù bǎ shèjì jì gěi nǐ le nǐ zěnme shuō méi shōu dào · Manager Li, I definitely sent it to you yesterday: how come you say you didn't get it?

manager li 對不起，這裡的網路信號不好……啊，手機震動了，收到了！
duìbùqǐ zhèlǐ de wǎnglù xìnhào bù hǎo a shǒujī zhèndòng le shōu dào le · Sorry, the internet signal here is bad… ah, my phone just buzzed: got it!

anna 我也影印了一份，放在你桌上。
wǒ yě yǐngyìn le yí fèn fàng zài nǐ zhuō shàng · I've also printed a copy and put it on your desk.

write it trace the grey, then write your own



珠 zhū bead, pearl									



乘
chéng
times, multiply



汽
qì
steam, vapour

陸
lù
land; (continuous)

good to know · 實驗 is an experiment in a lab; 試驗 is a trial or test of something new: 這種新藥還在試驗 (this drug is still being tested). 水是一種物質: 物質 is matter, substance. 物質生活 is the material side of life, as opposed to 精神生活.

Media, TV and experiments: you can now pitch a science campaign, and point out the obvious with 明明.
Do this day interactively, with audio and games, free at **wishyou.today/learning**

wishyou.today learning

day 179 keyboard and screen

Chinese TOCFL B in 220 days
unit 27 · science & technology

Talk about computers, keyboards and screens, and say “besides (work), in your spare time” with (在).....之餘 / 之外.

Everyone ends up teaching someone to use a computer, and everyone has a life besides work.

words

word	pinyin	meaning	example
計算	jìsuàn	calculate, count	請幫我計算一下一共多少錢。 Could you work out the total for me?
鍵盤	jiànpán	keyboard	鍵盤上的字太小了。 The letters on the keyboard are too small.
操作	cāozuò	operate, use (a machine)	這台機器操作很簡單。 This machine is easy to use.
電動	diàndòng	electric, battery-powered	現在很多人騎電動機車。 Lots of people ride electric scooters now.
顯示	xiǎnshì	show, display	手機上顯示有三通電話沒接。 The phone shows three missed calls.
複製	fùzhì	copy, duplicate	請把這個檔案複製一份。 Please make a copy of this file.
連接	liánjiē	connect, link	這座橋連接了兩個城市。 This bridge links the two cities.
儲存	chúcún	save, store	寫完了記得儲存。 Remember to save when you’ve finished writing.
通訊	tōngxùn	communication (phone, internet)	颱風來的時候，通訊可能會出問題。 When a typhoon comes, phone and internet connections can go down.
設置	shèzhì	set up, install	我幫你把手機設置好了。 I’ve set up your phone for you.
輸入	shūrù	input, type in	請輸入你的名字。 Please enter your name.
程序	chéngxù	procedure, steps	辦證件的程序很麻煩。 The procedure for getting ID papers is a real hassle.
輸出	shūchū	output, export	這台機器可以把照片輸出成很大的海報。 This machine can print photos out as huge posters.
點燃	diǎnrán	light, ignite	停電了，他點燃了一根蠟燭。 The power went out, so he lit a candle.
針對	zhēnduì	aimed at, in response to	這個課是針對老人家設計的。 This course is designed for older people.
不大	bùdà	not very, not quite	字太小了，我看不大清楚。 The writing’s too small: I can’t quite read it.

從沒	cóngméi	never (have)	我從沒用過這種電腦。 I've never used this kind of computer.
放大	fàngdà	enlarge, zoom in	這張照片可以放大嗎？ Can this photo be enlarged?
之餘	zhīyú	besides, apart from (doing something)	工作之餘，他喜歡畫畫。 When he isn't working, he likes to paint.

pattern (在).....之餘 / 之外: besides (work), in one's spare time

(在) | work / study | 之餘 / 之外 | , something else

(在) + a main activity + 之餘 says what someone also does "in the time left over": 在工作之餘 (besides work). 餘 (yú) means "what remains", and the phrase is written and a little elegant. In everyday speech people often drop 在 (工作之餘), or say 工作之外 / 以外.

工作之餘，我也想學上網看新聞。 **gōngzuò zhīyú wǒ yě xiǎng xué shàngwǎng kàn xīnwén** Besides work, I'd like to learn to read the news online.

透過電腦，您還能知道哪一種早餐賣得最好。 **tòuguò diànnǎo nín hái néng zhīdào nǎ yì zhǒng zǎocān mài de zuìhǎo** With the computer, you can also see which breakfast sells best.

你們明明那麼忙，還來幫我。 **nǐmen míngmíng nàme máng hái lái bāng wǒ** You're so obviously busy, and you still came to help me.

颱風來的時候，通訊可能會出問題。 **táifēng lái de shíhòu tōngxùn kěnéng huì chū wèntí** When a typhoon comes, phone and internet connections can go down.

dialogue auntie wang's computer

auntie wang 志明幫我買了一台電腦，說可以計算每天賣了多少錢，晚上就不用自己結算了。可是我從沒用過電腦。
Zhìmíng bāng wǒ mǎi le yì tái diànnǎo shuō kěyǐ jìsuàn měi tiān mài le duōshǎo qián wǎnshàng jiù búyòng zìjǐ jiésuàn le kěshì wǒ cóngméi yòng guo diànnǎo · Zhiming bought me a computer: he says it can work out how much I sell every day, so I won't have to add it all up myself at night. But I've never used a computer.

david 別擔心，操作很簡單。先把電腦跟這台機器連接起來。這是新式的，很好用。
bié dānxīn cāozuò hěn jiǎndān xiān bǎ diànnǎo gēn zhè tái jīqì liánjiē qǐlai zhè shì xīnshì de hěn hǎo yòng · Don't worry, it's easy to use. First we connect the computer to this machine. It's a new model: very easy.

auntie wang 鍵盤上的字太小了，我看不大清楚。
jiànpán shàng de zì tài xiǎo le wǒ kàn búdà qīngchǔ · The letters on the keyboard are so small: I can't really see them.

anna 我幫您把字放大。這樣好一點嗎？
wǒ bāng nín bǎ zì fàngdà zhèyàng hǎo yìdiǎn ma · I'll make the text bigger for you. Is that better?

auntie wang 好多了！那客人點的東西，我怎麼輸入？
hǎo duō le nà kèrén diǎn de dōngxi wǒ zěnme shūrù · Much better! So how do I type in what customers order?

david 按這裡，上面就會顯示價錢。透過電腦，您還能知道哪一種早餐賣得最好。
àn zhèlǐ shàngmiàn jiù huì xiǎnshì jiàqián tòuguò diànnǎo nín hái néng zhīdào nǎ yì zhǒng zǎocān mài de zuìhǎo · Press here, and the price shows up. With the computer, you can also see which breakfast sells best.

auntie wang 以前我都把客人點的東西寫在單子上。
yǐqián wǒ dōu bǎ kèrén diǎn de dōngxi xiě zài dānzi shàng · I used to write customers' orders on slips of paper.

anna 每天晚上記得儲存，不然資料會不見。我們先測試一下。
měi tiān wǎnshàng jìde chúcún bùrán zīliào huì bújiàn wǒmen xiān cèshì yíxià · Remember to save every night, or the data will disappear. Let's test it first.

auntie wang 好。工作之餘，我也想學上網看新聞。
hǎo gōngzuò zhīyú wǒ yě xiǎng xué shàngwǎng kàn xīnwén · OK. Besides work, I'd like to learn to read the news online.

david 沒問題！針對您的需要，我們幫您設置一下。
méi wèntí zhēnduì nín de xūyào wǒmen bāng nín shèzhì yíxià · No problem! We'll set it up for exactly what you need.

auntie wang 你們明明那麼忙，還來幫我，謝謝啊！
nǐmen míngmíng nàme máng hái lái bāng wǒ xièxie a · You're so obviously busy, and you still came to help me. Thank you!

david 不客氣！阿姨，您學得好快，很快就會變成電腦高手了。
búkèqì āyí nín xué de hǎo kuài hěn kuài jiù huì biànchéng diànnǎo gāoshǒu le · You're welcome! Auntie, you're learning so fast: you'll be a computer whizz in no time.

write it trace the grey, then write your own

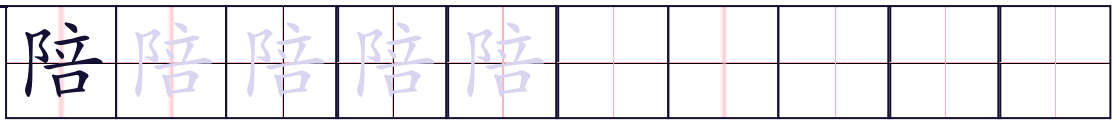
鬧
nào
make a fuss, make a racket

境
jìng
border



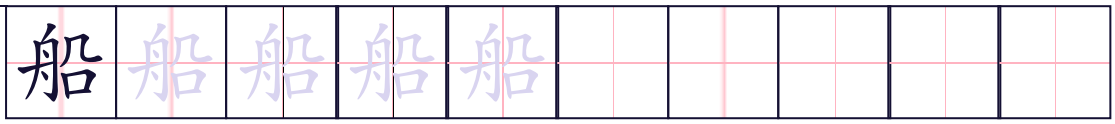


陪
péi
keep someone company, go with





船
chuán
boat, ship



good to know · 通訊 is communication by phone and internet. 通訊軟體 is a messaging app. 不大 + verb/adjective softens a “not”: 我看不大清楚 (I can’t quite see), 他不大高興 (he isn’t too happy).

Keyboards, screens, saving and settings: you can now teach someone to use a computer, in Chinese. Do this day interactively, with audio and games, free at **wishyou.today/learning**

wishyou.today learning

day 180 space and machines

Chinese TOCFL B in 220 days
unit 27 · science & technology

Talk about space, machines and science instruments, and contrast two things with 則 (while, whereas).

Museums, reports and comparisons: 則 is the neat, written way to say “but this one, on the other hand…”.

words

word	pinyin	meaning	example
模型	móxíng	model	他做了一個房子的模型。 He built a model of a house.
儀器	yíqì	instrument, apparatus	那邊可以用儀器看細胞。 Over there you can look at cells with the instruments.
合成	héchéng	compose, combine; synthetic	這張照片是合成的。 This photo has been edited together.
檢驗	jiǎnyàn	test, inspect	這些水果都經過檢驗，可以放心吃。 All this fruit has been tested: it’s safe to eat.
金屬	jīnshǔ	metal	這張椅子是金屬做的。 This chair is made of metal.
太空	tàikōng	outer space	太空裡沒有氧氣。 There’s no oxygen in space.
月球	yuèqiú	the moon	人第一次到月球，是在1969年。 People first reached the moon in 1969.
通信	tōngxìn	write to each other; communicate	我們已經通信十年了。 We’ve been writing to each other for ten years.
測量	cèliáng	measure, survey	醫生幫我測量了身高和體重。 The doctor measured my height and weight.
機械	jīxiè	machinery; mechanical	他對機械很有興趣。 He’s really into machines.
原理	yuánlǐ	principle (how it works)	這台機器的原理很簡單。 The principle behind this machine is simple.
細胞	xìbāo	cell (biology)	人的身體裡有很多細胞。 The human body has a huge number of cells.
氧氣	yǎngqì	oxygen	山上的氧氣比較少。 There’s less oxygen up in the mountains.
吊	diào	hang, suspend	上面吊著一個很大的月球模型。 A huge model of the moon is hanging up there.
則	zé	while, whereas (written)	哥哥喜歡運動，弟弟則喜歡看書。 The older brother likes sport, while the younger one likes reading.

整數	zhěngshù	whole number; round figure	三點五不是整數。 Three point five isn't a whole number.
不宜	bùyí	not suitable, not advisable	這部電影不宜讓小朋友看。 This film isn't suitable for children.
大半	dàbàn	most of, the greater part	這個月的薪水，大半都拿去繳房租了。 Most of this month's salary has gone on rent.

pattern 則: while, whereas (contrast)

A + what A does **，B** **則** **+ what B does**

則 sits after the second subject to contrast it with the first: 哥哥喜歡運動，弟弟則喜歡看書. It's a written word, like a neat "whereas"; in chat people use 卻 or just 呢 and a pause.

小朋友喜歡看太空，大人則喜歡看機械。 **xiǎopéngyǒu xǐhuān kàn tàikōng dàrén zé xǐhuān kàn jīxiè** Children like the space section, while grown-ups like the machines.

這塊月球的石頭是經由美國而來的。 **zhè kuài yuèqiú de shítou shì jīng yóu Měiguó ér lái de** This moon rock came here by way of the United States.

一來太暗，二來太小，這個房間不宜讓小朋友進來。 **yì lái tài àn èr lái tài xiǎo zhè ge fángjiān bùyí ràng xiǎopéngyǒu jìn lái** For one thing it's too dark, for another it's too small: this room isn't suitable for young children.

工作之餘，他也喜歡做模型。 **gōngzuò zhīyú tā yě xǐhuān zuò móxíng** Besides work, he likes building models.

dialogue a moon on the ceiling

david 你們看！上面吊著一個很大的月球模型。
nǐmen kàn shàngmiàn diào zhe yí ge hěn dà de yuèqiú móxíng · Look! There's a huge model of the moon hanging up there.

zhiming 好大！是用金屬做的嗎？
hǎo dà shì yòng jīnshǔ zuò de ma · It's enormous! Is it made of metal?

anna 說明上寫著，這塊月球的石頭是經由美國而來的。
shuōmíng shàng xiě zhe zhè kuài yuèqiú de shítou shì jīng yóu Měiguó ér lái de · The sign says this moon rock came here by way of the United States.

zhiming 太空裡沒有氧氣，人要怎麼呼吸？
tàikōng lǐ méiyǒu yǎngqì rén yào zěnme hūxī · There's no oxygen in space, so how do people breathe?

david 這邊有說明，原理很簡單。那邊還可以用儀器看細胞，把它們放大一千倍。
zhè biān yǒu shuōmíng yuánlǐ hěn jiǎndān nà biān hái kěyǐ yòng yíqì kàn xìbāo bǎ tāmen fàngdà yìqiān bèi · There's an explanation here: the principle is simple. And over there you can look at cells with the instruments, magnified a thousand times.

anna 我發現，小朋友喜歡看太空，大人則喜歡看機械。
wǒ fāxiàn xiǎopéngyǒu xǐhuān kàn tàikōng dàrén zé xǐhuān kàn jīxiè · I've noticed: children like the space section, while grown-ups like the machines.

zhiming 我倒是兩個都喜歡。
wǒ dàoshì liǎng ge dōu xǐhuān · Me, I like both.

david 那邊有一台機器人，可以用鍵盤操作。我們去試一試！
nà biān yǒu yì tái jīqì rén kěyǐ yòng jiànpán cāozuò wǒmen qù shì yi shi · There's a robot over there you can control with a keyboard. Let's go and try!

anna 這個房間很暗，不宜讓太小的孩子進來。廣告上要寫清楚。
zhè ge fángjiān hěn àn bùyí ràng tài xiǎo de háizi jìn lái guǎnggào shàng yào xiě qīngchǔ · This room is very dark: it's not suitable for very young children. We should say so clearly in the ads.

zhiming 還有，每個房間的實驗分成不同的等級，也要寫清楚。
háiyǒu měi ge fángjiān de shíyàn fēn chéng bùtóng de děngjí yě yào xiě qīngchǔ · And each room's experiments come in different levels: that should be clear too.

write it trace the grey, then write your own

游
yóu
swim

零
líng
zero

轉
zhuǎn
turn



季
jì
season

good to know · 不宜 is a written “not suitable, not advisable”, common on signs: 不宜飲用 (not for drinking), 孕婦不宜 (not advisable for pregnant women). 大半 is “most of, the greater part”: 大半的人 (most people).

Space, machines and instruments: you can now tour a science museum and compare what everyone likes with 則.
Do this day interactively, with audio and games, free at **wishyou.today/learning**

wishyou.today learning

day 181 information and radio

Chinese TOCFL B in 220 days
unit 27 · science & technology

Talk about radio, newspapers and information, and say "without A, there'd be no B" with 沒有 A 就沒有 B.

Thank-you speeches, interviews and arguments all lean on 沒有 A 就沒有 B: it's how you say who or what made something possible.

words

word	pinyin	meaning	example
字幕	zìmù	subtitles	看中文電影的時候，我需要字幕。 I need subtitles when I watch Chinese films.
資訊	zīxùn	information	網路上的資訊不一定都是對的。 Not everything you read online is true.
能源	néngyuán	energy (sources)	我們應該節省能源。 We should save energy.
報社	bàoshè	newspaper office	他大學畢業以後在報社工作。 After university he worked at a newspaper.
發行	fāxíng	publish, issue, release	這本雜誌每個月發行一次。 This magazine comes out once a month.
喇叭	lǎbā	loudspeaker; horn	喇叭的聲音太大了。 The speaker is far too loud.
報	bào	report, declare	五月要報稅。 Taxes are due in May.
轉播	zhuǎnbò	broadcast (live), relay	今天的比賽電視臺會轉播。 Today's match will be shown on TV.
傳單	chuándān	flyer, leaflet	他在捷運站外面發傳單。 He's handing out flyers outside the MRT station.
考察	kǎochá	inspect, study on site	公司派他去日本考察。 The company sent him to Japan on a study trip.
天文	tiānwén	astronomy	他從小就對天文很有興趣。 He's been interested in astronomy since he was little.
專利	zhuānlì	patent	這個發明已經有專利了。 This invention is already patented.
放手	fàngshǒu	let go; give a free hand	孩子長大了，父母要學會放手。 When children grow up, parents have to learn to let go.
電臺	diàntái	radio station	我每天早上都聽這個電臺。 I listen to this radio station every morning.
直線	zhíxiàn	in a straight line; sharply	這個星期，網站的人數直線上升。 Visits to the website have shot up this week.
長方形	chángfāngxíng	rectangle	這張桌子是長方形的。 This table is rectangular.

大清早	dàqīngzǎo	early in the morning	他大清早就出門了。 He went out at the crack of dawn.
多多	duōduō	more, a lot (in requests)	請大家多多支持！ Please give us your support!

pattern 沒有 a 就沒有 b: without a, there'd be no b

沒有 **A** **，就沒有** **B**

沒有 A，就沒有 B says that A is what made B possible. It's strong and warm, so you hear it in thank-you speeches (沒有你們，就沒有今天的我) and in arguments about what really matters (沒有水，就沒有生命).

沒有你的設計，就沒有這次的宣傳。 **méiyǒu nǐ de shèjì jiù méiyǒu zhè cì de xuānchuán** Without your design, there'd be no campaign.

博物館的新活動還未開始。 **bówùguǎn de xīn huódòng hái wèi kāishǐ** The museum's new activity hasn't started yet.

大人喜歡聽廣播，年輕人則喜歡上網看資訊。 **dàrén xǐhuān tīng guǎngbò niánqīng rén zé xǐhuān shàngwǎng kàn zīxùn** Adults like listening to the radio, while young people get their information online.

dialogue on the air

david 大清早就要上電臺，你緊張嗎？
dàqīngzǎo jiù yào shàng diàntái nǐ jǐnzhāng ma · On the radio at the crack of dawn: are you nervous?

anna 有一點。經理，這次你放手讓我一個人去，我怕說錯話。
yǒuyìdiǎn jīnglǐ zhè cì nǐ fàngshǒu ràng wǒ yí ge rén qù wǒ pà shuō cuò huà · A bit. Manager Li, you're letting me do this on my own: I'm scared I'll say something wrong.

manager li 我相信你。沒有你的設計，就沒有這次的宣傳。
wǒ xiāngxìn nǐ méiyǒu nǐ de shèjì jiù méiyǒu zhè cì de xuānchuán · I trust you. Without your design, there'd be no campaign.

david 聽說電臺會直接轉播，報社的記者也會來。很多媒體都對這次活動有興趣。
tīngshuō diàntái huì zhíjiē zhuǎnbò bàoshè de jìzhě yě huì lái hěn duō méitǐ dōu duì zhè cì huódòng yǒu xìngqù · I hear the station is broadcasting it live, and a newspaper reporter is coming too. Lots of the media are interested in this event.

manager li 對。博物館的影片也加上了中英文字幕，內容有太空，也有月球。
duì bówùguǎn de yǐngpiàn yě jiāshàng le zhōng yīngwén zìmù nèiróng yǒu tàikōng yě yǒu yuèqiú · Yes. And the museum's video now has Chinese and English subtitles. It covers space and the moon, too.

anna 傳單印好了嗎？長方形的那種。
chuándān yìn hǎo le ma chángfāngxíng de nà zhǒng · Are the flyers printed? The rectangular ones?

david 印好了，兩千張。報社說，他們會在週末發行的報紙上介紹，標題都想好了。
yìn hǎo le liǎngqiān zhāng bàoshè shuō tāmen huì zài zhōumò fāxíng de bàozhǐ shàng jièshào biāotí dōu xiǎng hǎo le · All done, two thousand of them. The newspaper says they'll feature it in the weekend edition: they've even got the headline ready.

manager li 這個星期，網站的人數直線上升，大半是年輕人。你只要把我們的想法說清楚就好。
zhè ge xīngqí wǎngzhàn de rénshù zhíxiàn shàngshēng dàbàn shì niánqīng rén nǐ zhǐyào bǎ wǒmen de xiǎngfǎ shuō qīngchǔ jiù hǎo · Visits to the website have shot up this week, most of them young people. You just need to explain our ideas clearly.

anna 好，我去了！請大家多多支持！
hǎo wǒ qù le qǐng dàjiā duōduō zhīchí · OK, here I go! Wish me luck!

david 加油！記得介紹那個月球模型！
jiāyóu jìde jièshào nà ge yuèqiú móxíng · Good luck! Remember to mention the moon model!

write it trace the grey, then write your own

村
cūn
village

寒
hán
cold

始
shǐ
beginning



猴 hóu monkey											

good to know · Taiwan writes 電臺 and 電視臺 with 臺; you'll also see 台, the everyday short form. 直線 + 上升 / 下降: "shoot straight up / plunge". It also means a straight line: 畫一條直線.

Radio, newspapers, flyers and live broadcasts: you can now talk about the media, and thank the people who made it possible.
Do this day interactively, with audio and games, free at **wishyou.today/learning**

wishyou.today learning

day 182 satellites and wires

Chinese TOCFL B in 220 days
unit 27 · science & technology

Talk about electronics, cables and sending things, and say “unexpectedly, would you believe” with the written 竟.

Setting up an event means cables, equipment and surprises, and 竟 is the crisp, written way to say something surprised you.

words

word	pinyin	meaning	example
電子	diànzǐ	electron; electronic	沒有電，就沒有這些電子產品。 Without electricity, there’d be none of these electronic products.
電線	diànxiàn	electric wire, cable	那邊的電線還沒接好，小心別踩到。 The cables over there aren’t connected: mind you don’t step on them.
打字	dǎzì	type	他打字打得很快。 He types very fast.
報導	bàodǎo	report; news report	記者要報導明天的活動。 The reporter is going to cover tomorrow’s event.
傳送	chuánsòng	send, transmit	我把照片傳送給你了。 I’ve sent you the photos.
回電	huídiàn	call back	他不在，我請他回電。 He’s not in: I’ll ask him to call you back.
色情	sèqíng	pornography, adult content	學校的電腦會過濾色情網站。 School computers filter out adult websites.
搬運	bānyùn	carry, move (goods)	器材都搬運好了嗎？ Has all the equipment been moved in?
發射	fāshè	launch, fire, emit	這個影片是發射衛星的過程。 This video shows a satellite launch.
衛星	wèixīng	satellite	月球是地球的衛星。 The moon is the earth’s satellite.
過濾	guòlǜ	filter	這個機器可以過濾水。 This machine can filter water.
器材	qìcái	equipment	爬山要帶好器材。 Take the right gear for climbing.
電報	diànbào	telegram, telegraph	以前的人用電報通信。 People used to communicate by telegram.
竟	jìng	unexpectedly (written 竟然)	他竟忘了自己的生日。 Would you believe it, he forgot his own birthday.
吵鬧	chǎonào	noisy; make a racket	隔壁很吵鬧，我睡不著。 It’s so noisy next door that I can’t sleep.
大有	dàyǒu	have plenty of	跟去年比起來，今年的活動大有進步。 Compared with last year, this year’s event is a big improvement.

犯錯	fàncuò	make a mistake	每個人都會犯錯。 Everyone makes mistakes.
繁忙	fánmáng	busy, hectic	早上的捷運站非常繁忙。 MRT stations are really busy in the morning.

pattern 竟 (written 竟然): unexpectedly, would you believe

someone | 竟 | something surprising

竟 is the short, written form of 竟然: it marks something you didn't expect. 他竟忘了 = 他竟然忘了 (he actually forgot). It goes right before the verb, and it's common in stories, news and essays.

我竟不曉得以前的人用這個來通信。 **wǒ jìng bù xiǎode yǐqián de rén yòng zhè ge lái tōngxìn** I had no idea people used to communicate with this.

這部電腦的價錢跟那部相當。 **zhè bù diànnǎo de jiàqián gēn nà bù xiāngdāng** This computer costs about the same as that one.

這個活動既好玩，也能學到東西。 **zhè ge huódòng jì hǎo wán yě néng xué dào dōngxi** This activity is fun, and you learn something too.

沒有電，就沒有這些電子產品。 **méiyǒu diàn jiù méiyǒu zhèxiē diànzǐ chǎnpǐn** Without electricity, there'd be none of these electronic products.

dialogue the night before

zhiming 明天活動就要開始了，器材都搬運好了嗎？儀器都檢驗過了嗎？
míngtiān huódòng jiù yào kāishǐ le qìcái dōu bānyùn hǎo le ma yíqì dōu jiǎnyàn guo le ma · The activity starts tomorrow: has all the equipment been moved in? Have the instruments all been checked?

david 差不多了。你看，這是一百多年前發電報的機器。
chàbùduō le nǐ kàn zhè shì yìbǎi duō nián qián fā diànbào de jīqì · Nearly. Look, this is a machine for sending telegrams from over a hundred years ago.

anna 我竟不曉得以前的人用這個來通信。
wǒ jìng bù xiǎode yǐqián de rén yòng zhè ge lái tōngxìn · I had no idea people used to communicate with this.

zhiming 那邊的電線還沒連接好，小心別踩到。
nà biān de diànxiàn hái méi liánjiē hǎo xiǎoxīn bié cǎi dào · The cables over there aren't connected yet: mind you don't step on them.

anna 喇叭也要測試一下，明天要用。
lǎbā yě yào cèshì yíxià míngtiān yào yòng · We need to test the speakers too: we're using them tomorrow.

david 我還在打字，今天晚上要把字幕傳送給電視臺。
wǒ hái zài dǎzì jīntiān wǎnshàng yào bǎ zìmù chuánsòng gěi diànshìtái · I'm still typing: the subtitles have to go to the TV station tonight.

anna 剛才記者打電話來，說要報導明天的活動。你不在，我說你會回電。
gāngcái jìzhě dǎdiànhuà lái shuō yào bàodǎo míngtiān de huódòng nǐ bú zài wǒ shuō nǐ huì huídiàn · A reporter called just now: they want to cover tomorrow's event. You weren't here, so I said you'd call back.

david 好，我等一下回電。這個影片是發射衛星的過程，那個是講天文的，小朋友一定喜歡。
hǎo wǒ děng yíxià huídiàn zhè ge yǐngpiàn shì fāshè wèixīng de guòchéng nà ge shì jiǎng tiānwén de xiǎopéngyǒu yídìng xǐhuān · OK, I'll call back in a minute. This video shows a satellite launch, and that one is about astronomy: the kids will love them.

zhiming 這些電腦也可以過濾色情網站，家長可以放心。
zhèxiē diànnǎo yě kěyǐ guòlǜ sèqíng wǎngzhàn jiāzhǎng kěyǐ fàngxīn · These computers also filter out adult websites, so parents needn't worry.

anna 跟去年比起來，今年的活動大有進步。
gēn qùnián bǐqǐlái jīnnián de huódòng dàyǒu jìnbù · Compared with last year, this year's event is a huge improvement.

zhiming 明天大清早我們就要來，大家早點回家睡吧。
míngtiān dàqīngzǎo wǒmen jiù yào lái dàjiā zǎodiǎn huí jiā shuì ba · We need to be here at the crack of dawn tomorrow, so everyone get home and sleep.

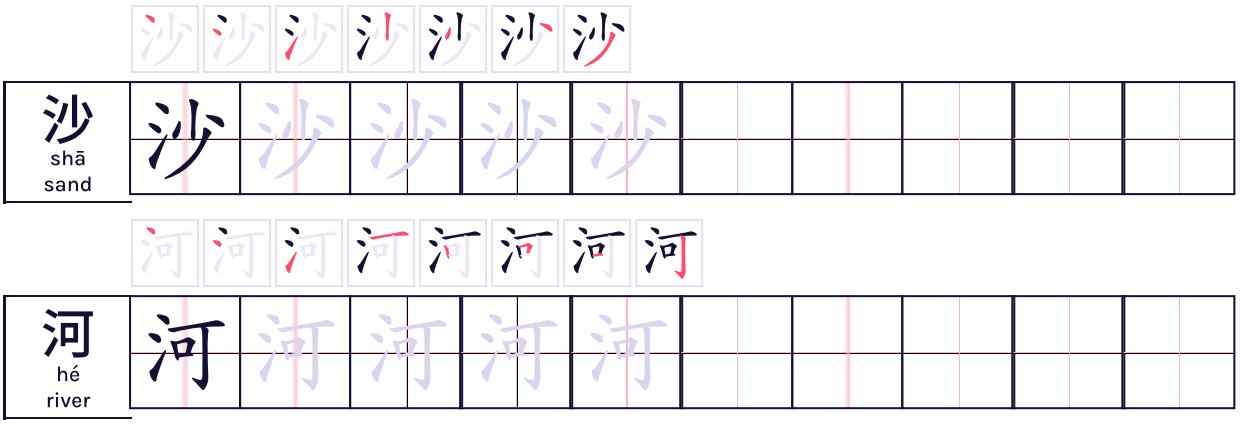
write it trace the grey, then write your own

洞 洞 洞 洞 洞 洞 洞 洞 洞

洞
dòng
hole, cave

竹 竹 竹 竹 竹 竹

竹
zhú
bamboo



good to know · 回電 is “call back”: 請他回電 (ask him to call back). Taiwanese voicemail and office notes use it all the time. 大有 + noun means “plenty of”: 大有進步 (a big improvement), 大有關係 (it matters a lot).

Cables, satellites, subtitles and surprises: you can now set up a tech event and tell the story with 竟. Do this day interactively, with audio and games, free at **wishyou.today/learning**

wishyou.today learning

day 183 mission: the science museum

Chinese TOCFL B in 220 days
unit 27 · science & technology

Read a museum notice, follow a family day at a science museum, and talk about media, computers, space and surprises.

A museum visit uses every kind of science and technology word at once. Everything from unit 27 comes back in one day.

chapter 1 read the sign

auntie wang 哇，人好多！門口那張紙上寫什麼？安娜，你念給我聽。
wā rén hǎo duō ménkǒu nà zhāng zhǐ shàng xiě shénme Ānnà nǐ niàn gěi wǒ tīng · Wow, it's packed! What does the notice by the door say? Anna, read it to me.

anna 「科學博物館新活動：自己動手做實驗！時間：十月一日至十月三十一日，每天早上九點至下午五點，星期一不開放。實驗分成三個等級，從簡單到難，每次大約四十分鐘，每個實驗都有老師先說明要注意的安全問題。博物館裡不得吃東西。介紹太空的房間很暗，不宜讓六歲以下的小朋友進入。活動每天下午三點在電視臺和電臺轉播。更多資訊，請看傳單。」
kēxué bówùguǎn xīn huódòng zìjǐ dòngshǒu zuò shíyàn shíjiān shí yuè yī rì zhì shí yuè sānshíyī rì měi tiān zǎoshàng jiǔ diǎn zhì xiàwǔ wǔ diǎn xīngqíyī bù kāifàng shíyàn fēn chéng sān ge děngjí cóng jiǎndān dào nán měi cì dàyuē sìshí fēnzhōng měi ge shíyàn dōu yǒu lǎoshī xiān shuōmíng yào zhùyì de ānquán wèntí bówùguǎn lǐ bùdé chī dōngxi jièshào tàikōng de fángjiān hěn àn bùyí ràng liù suì yǐxià de xiǎopéngyǒu jìnrù huódòng měi tiān xiàwǔ sān diǎn zài diànshìtái hé diàntái zhuǎnbò gèng duō zīxùn qǐng kàn chuándān · "New at the Science Museum: do your own experiments! Dates: 1 to 31 October, every day from 9 am to 5 pm, closed on Mondays. Experiments come in three levels, from easy to hard, each lasts about forty minutes, and a teacher first explains the safety points to watch for in every experiment. No eating in the museum. The room about space is dark and not suitable for children under six. The activity is broadcast on TV and radio every day at 3 pm. For more information, see the flyer."

meiling 這張傳單是安娜設計的！上面的標題也是她想的。
zhè zhāng chuándān shì Ānnà shèjì de shàngmiàn de biāotí yě shì tā xiǎng de · Anna designed this flyer! She came up with the headline too.

auntie wang 真了不起！這個宣傳我在電視上看到好幾次了。
zhēn liǎobùqǐ zhè ge xuānchuán wǒ zài diànshì shàng kàn dào hǎojǐ cì le · Wonderful! I've seen this campaign on TV several times.

zhiming 媒體傳播得這麼快，難怪人這麼多。
méitǐ chuánbò de zhème kuài nánguài rén zhème duō · The media has spread it so fast: no wonder it's so crowded.

zhiming 他們的喇叭好大聲，連外面都聽得到。電視上的廣告還加了中英文字幕。
tāmen de lǎbā hǎo dà shēng lián wàimiàn dōu tīng de dào diànshì shàng de guǎnggào hái jiā le zhōng yīngwén zìmù · Their speakers are so loud you can hear them outside. And the TV advert even has Chinese and English subtitles.

manager li 報社的記者大清早就來了。今天發行的報紙上，也有我們的照片。
bàoshè de jìzhě dàqīngzǎo jiù lái le jīntiān fāxíng de bàozhǐ shàng yě yǒu wǒmen de zhàopiàn · A newspaper reporter was here at the crack of dawn. Today's paper has our photo in it too.

chapter 2 a moon overhead

david 阿姨，您看上面：那個吊著的大月球是模型，旁邊那塊石頭則是真的月球石頭。
āyí nín kàn shàngmiàn nà ge diào zhe de dà yuèqiú shì móxíng pángbiān nà kuài shítou zé shì zhēnde yuèqiú shítou · Look up there, Auntie: the big moon hanging up is a model, while that rock next to it is a real moon rock.

auntie wang 真的？我活了六十年，竟第一次看到月球的石頭！
zhēnde wǒ huó le liùshí nián jìng dì yī cì kàn dào yuèqiú de shítou · Really? Sixty years I've lived, and this is the first time I've seen a moon rock!

auntie wang 這個大月球是金屬做的嗎？
zhè ge dà yuèqiú shì jīnshǔ zuò de ma · Is this big moon made of metal?

david 不是，很輕。那台儀器則可以測量月球離我們有多遠。
bú shì hěn qīng nà tái yíqì zé kěyǐ cèliáng yuèqiú lí wǒmen yǒu duō yuǎn · No, it's light. And that instrument can measure how far away the moon is.

zhiming 這邊的影片是發射衛星的過程。以前的人用電報通信，現在用衛星。你們感覺到了嗎？地上會震動。
zhè biān de yǐngpiàn shì fāshè wèixīng de guòchéng yǐqián de rén yòng diànbào tōngxìn xiànzài yòng wèixīng nǐmen gǎnjué dào le ma dì shàng huì zhèndòng · This video shows a satellite launch. People used to communicate by telegraph; now it's satellites. Can you feel it? The floor shakes.

meiling 太空裡沒有氧氣，所以太空人要帶很多器材。
tàikōng lǐ méiyǒu yǎngqì suǒyǐ tàikōng rén yào dài hěn duō qìcái · There's no oxygen in space, so astronauts have to take lots of equipment.

david 這些物理的原理我小時候在天文書上看過，可是我從沒看過這麼大的模型。那邊還可以看細胞呢。
zhèxiē wùlǐ de yuánlǐ wǒ xiǎo shíhòu zài tiānwén shū shàng kàn guo kěshì wǒ cóngméi kàn guo zhème dà de móxíng nà biān hái kěyǐ kàn xìbāo ne · I read about these physics principles in astronomy books as a kid, but I've never seen a model this big. And over there you can look at cells.

anna 你看，小朋友都在看太空，大人則都在看機械。跟我們想的一樣！
nǐ kàn xiǎopéngyǒu dōu zài kàn tàikōng dàrén zé dōu zài kàn jīxiè gēn wǒmen xiǎng de yíyàng · Look: the kids are all watching space, while the grown-ups are looking at the machines. Just as we thought!

chapter 3 auntie wang takes the test

zhiming 這是一個互動的測試，是針對大人設計的。先把電腦跟這台機器連接起來，再設置一下。

zhè shì yí ge hùdòng de cèshì shì zhēnduì dàrén shèjì de xiān bǎ diànnǎo gēn zhè tái jīqì liánjiē qǐlai zài shèzhì yíxià · This is an interactive quiz, designed for adults. First connect the computer to this machine, then set it up.

auntie wang 操作的程序我都記得！用鍵盤輸入答案，電腦就會計算分數，對吧？

cāozuò de chéngxù wǒ dōu jìde yòng jiànpán shūrù dáàn diànnǎo jiù huì jìsuàn fēnshù duì ba · I remember the steps! You type the answers on the keyboard and the computer works out the score, right?

zhiming 對！您試試看。

duì nín shì shi kàn · Right! Have a go.

auntie wang 可是字太小了，我看不大清楚。

kěshì zì tài xiǎo le wǒ kàn búdà qīngchǔ · But the letters are too small: I can't quite see them.

anna 我幫您放大。上面會顯示問題，您打字回答就好。

wǒ bāng nín fàngdà shàngmiàn huì xiǎnshì wèntí nín dǎzì huídá jiù hǎo · I'll make them bigger. The question shows up at the top: just type your answer.

meiling 阿姨好厲害！您明明上個月還不會用電腦，現在打字比我還快！

āyí hǎo lìhài nín míngmíng shàng ge yuè hái bú huì yòng diànnǎo xiànzài dǎzì bǐ wǒ hái kuài · Auntie, you're amazing! You couldn't use a computer last month, and now you type faster than me!

auntie wang 工作之餘，我每天晚上都在練習。對了，這個分數要怎麼儲存？

gōngzuò zhīyú wǒ měi tiān wǎnshàng dōu zài liànxí duìle zhè ge fēnshù yào zěnme chúcún · Besides work, I practise every evening. Oh, how do I save this score?

zhiming 不用儲存，電腦會直接傳送到牆上這個大電視。您是今天的第一名！

búyòng chúcún diànnǎo huì zhíjiē chuánsòng dào qiáng shàng zhè ge dà diànshì nín shì jīntiān de dì yī míng · No need: the computer sends it straight to the big TV on the wall. You're today's number one!

anna 我把分數複製一份給您。這裡還可以把照片輸出成海報，帶回店裡！

wǒ bǎ fēnshù fùzhì yí fèn gěi nín zhèlǐ hái kěyǐ bǎ zhàopiàn shūchū chéng hǎibào dài huí diàn lǐ · I'll make you a copy of the score. You can even print the photo out as a poster to take back to the shop!

chapter 4 on tv

meiling 快來收看！電視臺在報導科學博物館的活動。
kuài lái shōukàn diànshìtái zài bàodǎo kēxué bówùguǎn de huódòng · Quick, come and watch! The TV station is reporting on the science museum event.

manager li 外面好吵鬧，把電視的聲音開大一點。
wàimiàn hǎo chǎonào bǎ diànshì de shēngyīn kāi dà yìdiǎn · It's so noisy outside: turn the TV up a bit.

david 你們看，那是阿姨！她竟上電視了！
nǐmen kàn nà shì āyí tā jìng shàng diànshì le · Look, that's Auntie! She's actually on TV!

auntie wang 哎喲，我的頭髮好亂！
āiyāo wǒ de tóufǎ hǎo luàn · Oh my, my hair's a mess!

anna 這個報導把我們的想法都呈現出來了：科學就在你身邊。
zhè ge bàodǎo bǎ wǒmen de xiǎngfǎ dōu chéngxiàn chū lái le kēxué jiù zài nǐ shēnbiān · This report gets all our ideas across: science is all around you.

manager li 大家辛苦了。這個月大家都很繁忙，也怕犯錯，可是這次的活動大有進步。沒有你們，就沒有這次的成功。
dàjiā xīnkǔ le zhè ge yuè dàjiā dōu hěn fánmáng yě pà fàncuò kěshì zhè cì de huódòng dàyǒu jìnbù méiyǒu nǐmen jiù méiyǒu zhè cì de chénggōng · Thank you for all your hard work. It's been a hectic month and we were all afraid of making mistakes, but this event was a big step forward. Without you, this wouldn't have been a success.

david 昨天搬運器材的時候，我差點踩到電線。今天看到這個報導，一切都值得了。
zuótiān bānyùn qìcái de shíhòu wǒ chàdiǎn cǎi dào diànxiàn jīntiān kàn dào zhè ge bàodǎo yíqiè dōu zhíde le · Yesterday, moving the equipment, I nearly tripped over a cable. Seeing this report today, it was all worth it.

auntie wang 說得好！來，今天的宵夜我請客！
shuō de hǎo lái jīntiān de xiāoyè wǒ qǐngkè · Well said! Come on, tonight's late-night snack is on me!

manager li 博物館的人剛才打電話來，我等一下回電。工作之餘，大家明天也要好好休息！
bówùguǎn de rén gāngcái dǎdiànhuà lái wǒ děng yíxià huídiàn gōngzuò zhīyú dàjiā míngtiān yě yào hǎohǎo xiūxí · The museum just called: I'll call them back in a moment. Besides work, everyone needs a good rest tomorrow!

chapter 5 how far is the moon?

david 「月亮有多遠？」每天晚上，我們都能看到月亮，很多人都想知道：它離我們到底有多遠？

yuèliàng yǒu duō yuǎn měi tiān wǎnshàng wǒmen dōu néng kàn dào yuèliàng hěn duō rén dōu xiǎng zhīdào tā lí wǒmen dàodǐ yǒu duō yuǎn · "How Far Is the Moon?" We can see the moon every night, and many people want to know: just how far away is it?

david 月球離地球大約三十八萬公里。如果坐一輛開得很快的汽車，不休息，大概要開五個月才到。光的速度很快，只要一秒多就能從月球跑到地球。

yuèqiú lí dìqiú dàyuē sānshíbā wàn gōnglǐ rúguǒ zuò yí liàng kāi de hěn kuài de qìchē bù xiūxí dàgài yào kāi wǔ ge yuè cái dào guāng de sùdù hěn kuài zhǐyào yì miǎo duō jiù néng cóng yuèqiú pǎo dào dìqiú · The moon is about 380,000 kilometres from the Earth. In a fast car driving without a break, it would take about five months to get there. Light is much faster: it needs only a little over a second to travel from the moon to the Earth.

david 月球上沒有空氣，所以聽不到聲音，也不會有風。因為沒有氧氣，太空人去月球的時候，必須穿特別的衣服，帶著氧氣出門。

yuèqiú shàng méiyǒu kōngqì suǒyǐ tīng búdào shēngyīn yě bú huì yǒu fēng yīnwèi méiyǒu yǎngqì tàikōng rén qù yuèqiú de shíhòu bìxū chuān tèbié de yīfú dài zhe yǎngqì chūmén · There is no air on the moon, so you can't hear sounds and there is no wind. Because there is no oxygen, astronauts who go to the moon must wear special suits and carry oxygen with them.

david 你知道嗎？月球上的重力比地球小得多，同一個人在月球上，會覺得自己輕了很多，所以太空人在月球上走路，看起來像在跳。

nǐ zhīdào ma yuèqiú shàng de zhòng lì bǐ dìqiú xiǎo de duō tóng yí ge rén zài yuèqiú shàng huì juéde zìjǐ qīng le hěn duō suǒyǐ tàikōng rén zài yuèqiú shàng zǒulù kànqǐlái xiàng zài tiào · Did you know? The moon's gravity is much weaker than the Earth's, so the same person feels much lighter on the moon, and astronauts walking there look as if they are bouncing.

david 太空人從月球帶回來的石頭，讓科學家知道月球已經有四十多億歲了。如今，有了衛星和各種儀器，科學家可以測量月球的大小，也可以拍下清楚的照片。科學不只在大學和研究所裡，也在博物館的活動裡，就在我們身邊。下一次抬頭看月亮的時候，想一想：這個又近又遠的朋友，還藏著多少故事？

tàikōng rén cóng yuèqiú dài huí lái de shítou ràng kēxué jiā zhīdào yuèqiú yǐjīng yǒu sìshí duō yì suì le rújīn yǒu le wèixīng hé gè zhǒng yíqì kēxué jiā kěyǐ cèliáng yuèqiú de dàxiǎo yě kěyǐ pāi xià qīngchǔ de zhàopiàn kēxué bù zhǐ zài dàxué hé yánjiùsuǒ lǐ yě zài bówùguǎn de huódòng lǐ jiù zài wǒmen shēnbiān xià yí cì táitóu kàn yuèliàng de shíhòu xiǎng yi xiang zhè ge yòu jìn yòu yuǎn de péngyǒu hái cáng zhe duōshǎo gùshi · The rocks astronauts brought back from the moon showed scientists that it is more than four billion years old. Nowadays, with satellites and all kinds of instruments, scientists can measure the moon's size and take clear photographs. Science isn't only in universities and research institutes; it is also in museum activities, right beside us. Next time you look up at the moon, think: how many stories is this near-and-far friend still hiding?

A notice, a moon, a computer quiz and the evening news: you've just spent a whole day at a science museum in Chinese.
Do this day interactively, with audio and games, free at **wishyou.today/learning**