

jīn tiān wǒ dào jiù jiù jiā de shí hou tā zhèng máng zhe dǎ yìn dōng xī ā dǎ
今天我到舅舅家的时候，他正忙着打印东西。啊，打
yìn chū lái de dōu shì kě ài de xiǎo dōng xī jiù jiù gāng gòu mǎi de sān wéi dǎ yìn jī
印出来的都是可爱的小东西！舅舅刚购买的三维打印机，
néng bǎ wù pǐn de tǐ jī shè dìng dào yí dìng de bǐ lì dǎ yìn chū lái
能把物品的体积设定到一定的比例打印出来。

shén me shì sān wéi dǎ yìn dǎ yìn ne wǒ wèn jiù jiù yuán lái zhǐ yào
什么是三维打印（3D打印）呢？我问舅舅。原来只要
shè zhì le diàn nǎo chéng xù sī zhuàng cái liào huì zài dǎ yìn jī pēn tóu zhōng jiā rè xíng
设置了电脑程序，丝状材料会在打印机喷头中加热，形
chéng bàn yè tài hòu shū sòng chū lái wǒ kàn dào pēn tóu shàng xià zuǒ yòu yí dòng sī
成半液态后输送出来。我看到喷头上上下下左右移动，丝
zhuàng cái liào bù tíng de rào le yì quān yòu yì quān lěng què hòu xíng chéng báo piàn rú cǐ
状材料不停地绕了一圈又一圈，冷却后形成薄片。如此
bù tíng de chóng fù zuì hòu yí gè lì tǐ de chéng pǐn jiù dǎ yìn chū lái le
不停地重复，最后，一个立体的成品就打印出来了。

Amazing 3D printing.

Saturday, May 12th, sunny.

When I came to my uncle's house today, he was busy printing something. Ah, the printouts are all cute little things! The 3D printer my uncle just bought can set the volume of an item to a certain ratio before printing it out.

What is 3D printing? I asked my uncle. It turns out that if the computer program is set, the filament material will be heated in the nozzle of the printer to form a semi-liquid state and then used. I saw the nozzle move up and down, left and right, and the filament material kept going around and around, and after cooling it formed into flakes. This step is repeated non-stop, and finally, a three-dimensional finished product is printed.

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More resources at https://multilingual-malaysian.github.io/SRJKC_resources/



jiù jiù hái ràng wǒ qīn zì shè zhì chéng xù , dǎ
舅舅还让我亲自设置程序，打
yìn le yí jià xiū zhēn fēi jī 。 suī rán zhè jià fēi jī jià
印了一架袖珍飞机。虽然这架飞机驾
bù shàng tiān kōng , dàn xiǎo qiǎo kě ài , hái shì wǒ dì yī
不上天空，但小巧可爱，还是我第一
cì qīn shǒu dǎ yìn de sān wéi chéng pǐn 。 ā , zhēn shì yǒu
次亲手打印的三维成品。啊，真是有
qù de tǐ yàn
趣的体验！

wǒ hái zài wǎng shàng kàn dào le sān wéi dǎ yìn de chéng
我还在网上看到了三维打印的成
pǐn , yǒu wéi cán jí zhě dǎ yìn de yì zhī yǒu wéi yī
品，有为残疾者打印的义肢，有为医
xué xì de xué shēng dǎ yìn de rén tǐ qì guān hé gǔ tóu
学系的学生打印的人体器官和骨头，
hái yǒu qì chē líng jiàn hé kě yǐ rù zhù de fáng wū děng 。
还有汽车零件和可以入住的房屋等。

sān wéi dǎ yìn jī fā wǒ men de xiǎng xiàng lì , ràng wǒ
三维打印激发我们的想象力，让我
men dǎ yìn chū suǒ xū wù pǐn , duō me shén qí ā !
们打印出所需物品，多么神奇啊！

My uncle also let me set up the program myself and print out a **pocket airplane**. Although this plane can't fly in the sky, but it's small and cute, and it's the first 3D product I've printed by myself. Ah, what a fun experience!

I also saw 3D printed products online, including prosthetics printed for the **disabled**, **human organs** and bones printed for medical students, **auto parts** and houses that can be lived in.

How amazing it is that 3D printing stimulates our **imagination** and allows us to print the objects we want!

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