

5.6.4 教学案例2

疫情期间线上教学第四次课讲稿 2020.3.9 50 分钟

开场白 Greetings

Good morning, my class. How are you doing?

Type Y for good, N for bad. Let's see how well you are recently.

第一步：热点分享 Hot issue sharing:

Step 1 Women's day talk

Over 20 thousands Women medical staff have fought day and night at the frontline against epidemic to rescue the COVID-19 patients, showing the noble spirit of benevolence 仁爱

Women Party members and cadres, police, disease control personnel, community workers, journalists, and volunteers have fulfilled their duties with loyalty, worked tenaciously, shouldered a lot of hard work, and made important contribution to containing the epidemic with actions



As one of the country's tens of thousands of medical professionals who had rushed to Wuhan to help fight the novel coronavirus epidemic, Yuan Yadong

said they had only one goal: all people in the country could take their masks off and breathe freely.

The efforts from Yuan and her team started achieving results just days after their arrival. On Feb 18, the Wuhan No 7 Hospital took the third spot in terms of successfully treating severe infections among all hospitals in Wuhan

For Zhong Xiaofeng every minute and every second is crucial as she races against time to save more lives.

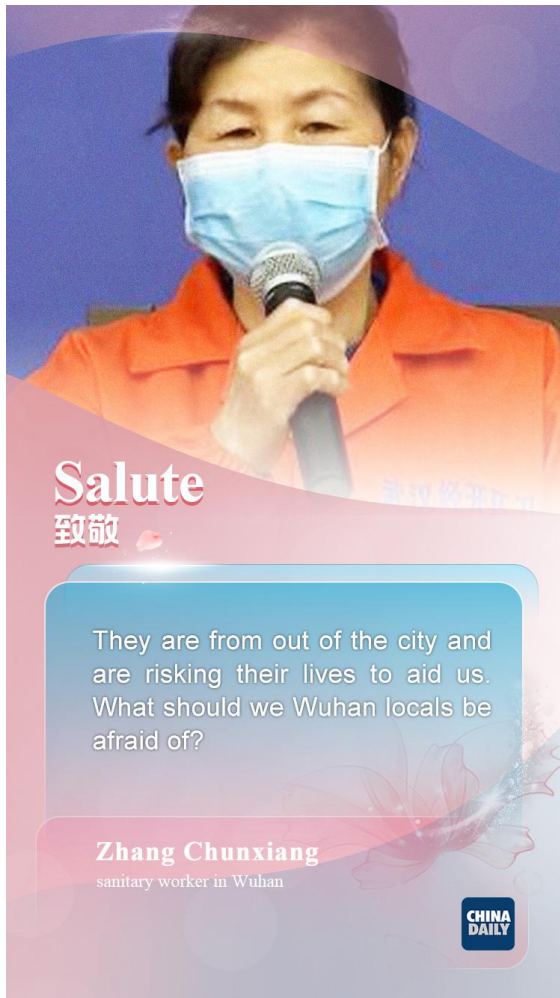
As the head nurse of the intensive care unit of Wuhan Pulmonary Hospital, the first batch of hospitals designated for receiving those infected with the novel coronavirus in the epicenter, Zhong, with her colleagues, has devoted herself against the disease for more than 60 days.



Reporting the stories of how China is fighting the novel coronavirus outbreak is the duty of frontline reporters despite of the dangers, Liao Jun said on Sunday. Since Liao has been reporting the epidemic in Wuhan for more than two months, she has visited hospitals, isolation facilities and local communities around the city. She has reported more than 500 pieces of stories.

Volunteer drivers have been gathering from across Wuhan, Hubei province, to

help medical workers commute and transport supplies since the novel coronavirus outbreak hit the city. And Yang Xue, a media worker, is one of them.



The 30-year-old set up a volunteer driver group in January and named it "guardian angels". By the end of February, her team of 69 drivers had carried medical workers on 850 trips and transported more than 550 metric tons of supplies..

Zhang Chunxiang was among the 15 female cleaners who first entered the contaminated areas in Wuhan, the sealed-off city where the coronavirus emerged in December.

"If no one does the cleaning there, the situation would become worse, and therefore I decided to step forward and sign up for the mission," she added.

Let's salute to all of the angels in white who are battling on the front line.

Let's salute to front line superwomen fighting the virus.

Let's pray for your safe return!

https://mp.weixin.qq.com/s/eLq1FFC_tn-GTXDPWyP89w

第二步：话题导入

Step 2 High-tech talk in virus battle:

Besides manpower, in combat of fighting virus, we also witnessed the power of machines, the power of high-tech.

what are they? can you mention some of them?

Such as: 让学生自己列举: Beidou navigator, 无人机, 云监工

这些黑科技的使用也引起了外媒的关注:

看图:

Drones. Disinfecting robots. Supercomputers. The coronavirus outbreak is a test for China's tech industry

——当地时间 24 日，CNN 刊登了一篇文章“无人机、消毒机器人、超级计算机——新冠肺炎疫情是对中国技术企业的一次测试”，——列举了中国疫情中用的一些新技术。

China has spent decades nurturing its tech sector. Now, faced with a massive public health crisis, Beijing is pushing its tech companies to join the fight against the novel coronavirus.

过去的几十年中，中国始终致力于发展高科技产业。现在，面临着公共卫生危机的时刻，中国的科技公司走上一线对抗新冠病毒。

The country's tech giants have responded to the outbreak by deploying **autonomous vehicles** to bring supplies to medical workers, fitting drones with thermal cameras to improve detection of the virus and lending their computing power to help develop a vaccine.

中国的科技公司参与抗疫的形式多种多样，包括用自动车给医护人员送餐、给无人机加装热成像仪，以及为研制疫苗贡献出部分计算机算力。

自动驾驶机器人

CNN 首先注意到的，是送货机器人，文章中这样描述：

Chinese e-commerce giant JD.com (JD) recently enlisted **self-driving robots** to bring goods to medical workers in the central Chinese city of Wuhan.

在武汉，电子商务公司**京东启用自动驾驶机器人**给医护人员送补给。



The bots, which look and run much like pint-sized vehicles, have been delivering packages to a hospital that primarily treats coronavirus patients. The route is relatively short — about 600 meters to the hospital — but cutting humans out of the equation has helped protect customers and employees.

这些机器人看起来很像是一个矮小的小车，主要工作是给收治病人的医院送快递。路径不长，也就 600 米，但有了小车就能避免人员接触，从而保护医护人员也保护快递员。

其次上榜的是无人机。

Drones have also been put to use during the outbreak. The technology allows authorities to scan through large crowds and spot if someone's in need of medical attention...

无人机也被应用到抗疫中来。这一技术使得政府能大批量扫描人群，并识别出是否有人需要医疗救助.....



高速计算机也成了 CNN 关注的焦点：

This month, Tencent opened up its super-computing facilities — which include machines that can run calculations much faster than an ordinary PC — to help researchers racing to find a cure.

就在本月，腾讯公司开放了其超级算力设施，包括比普通计算机快得多的机器，以帮助研究人员寻找治疗措施。

And **Didi**, China's biggest ride-hailing provider, has teamed up with medical and aid organizations to allow workers who need to perform tasks

related to data analysis, online simulation or logistical support to use Didi's servers for free.

中国最大的打车软件滴滴则与医疗和救助组织联手，让那些需要做数据分析、物流或者网上仿真的人免费使用其服务器。

super-computing facilities



外媒关注中国高科技抗疫

除 CNN 之外，中国的抗疫无人机、机器人也登上其它多家外媒，在西方舆论场中形成一个新热点。

《商业内幕》（Business Insider）分享了一张视频截图，是一台叫“小花生”的送餐机器人给隔离人员送餐。



小花生你火到国外了！

全球电气电子工程师学会 IEEE 官网也登了小花生的视频，说这些机器人能送药、能送饭，还能打扫房间 (using robots to deliver medicine, food, and disinfect



rooms）。

福克斯新闻（Fox News）这次也赶潮流。

列举了中国抗疫机器人之后，他们还采访了休斯敦赖斯大学的机器人专家 Marcia O'Malley 教授，这位教授对中国机器人一顿狠夸：

O'Malley said robots in China can do more than deliver medicine, however. Some can scan medicine inventory and remove outdated supplies. Others can spray disinfectants and can even prevent the spread of infectious diseases in public spaces.

O'Malley 说中国的机器人能干的可不止是送药。有些能扫描药品库存，清理过期部分；有些能在公共场所喷洒消毒液以防止传染病传播。

"Robots can help with decontamination and reducing human-to-human transmission risk by reducing exposure," O'Malley said. "Artificial intelligence might be helpful in data science aspects, tracking information about the spread of cases to determine risk profiles and identify ways to limit spread if we understand better how it is spread."

他说：“机器人有助于消除污染，减少人在病毒污染环境中的暴露，从而减少人传人风险。AI 或许能在数据科学方面起作用，追溯传染病的传播信息、确定危险程度，并找出限制传染病传播的办法。”

新加坡的《海峡时报》则把目光投向了广东。

Over in Guangzhou, in southern Guangdong province, 5G-powered patrolling robots remind the public of the importance of frequent hand-washing and the mandatory donning of masks. The robots are also equipped with high-resolution cameras and infrared thermometers that are capable of scanning the body temperatures of 10 people at once.

在广州市，装有 5G 网络的机器人来回巡逻，向公众普及勤洗手和戴口罩的必要性。这些机器人也装备有高科技摄像机和红外线测温仪，能同时扫描 10 人

的体温。

连建筑设计杂志 Dezeen 都跨界来报道了，精心选了一张紫外线消毒的配图，蓝



紫色调，艺术范：

Unmanned vehicles, both arial and terrestrial, have allowed the Chinese government to reduce the number of people put at risk of catching the virus.

无论是天上的无人机，还是地上的无人车，都让中国有能力降低公众感染的风险。

彭博社也深入广东，找到了一家做无人机的企业。

Guangzhou-based agriculture drone manufacturer XAG is working to deploy a fleet of drones that can spray disinfectant on affected areas such as bus and train stations and other public spaces.

广州农业无人机企业 XAG 正努力装备一支无人机群，主要目的是对包括汽车站、火车站在内的公共场所洒消毒液。





数千万可爱的“云监工”们背后是14亿中国人对疫情阻击战的关注和对中国速度的信心

虽然直播里没有音乐、没有解说只有叉车和工人忙碌的身影，但千万网友共同见证形成了强大的网络情感

有很多网友说要给工人们加鸡腿、点外卖、送口罩

虽然中国“基建狂魔”的美名已传遍海外，但是，与“疫魔”赛跑，要用十天建一座医院？外国网友表示：上帝是中国人！从1月23日项目开工以来，海外网友始终热切关注工程进展，留言也是亮瞎眼。



Ujval Nanavati @cynical_ujval · 1月24日

回复 @XHNews

God made the universe in 7 days.
I think God was Chinese.



12

13

251



Miz Giggles the Squirrel @escapedacult · 1月25日

回复 @XHNews

Unbelievable!! That would take 5 years to build in the US.

1

1

16



Top Fan

Pang Hoe Sang China is the only country in the world that can build such a massive project in such a short time!
Great cheers to China!

Like · Reply · Message · 1w



Liza Liza 1 day ago

Only china can do this. 🙌🙌🙌



REPLY



ashish raghu 🇮🇳 @raghuashu · 1月24日

回复 @XHNews

It happens only in china



Juan Carlos Saavedra 19 hours ago

THIS CAN ONLY HAPPENS IN CHINA



REPLY



Mounir Tiar Great fast job Only china Can Do it.



记得十几二十年前，外媒提到中国还都是以国际关系报道为主，很少花篇幅报道中国科技进步。

慢慢地，外媒关于中国科技的报道越来越多，用词也越来越走向正面，这一波中国高科技抗疫的报道就是典型。

这一转变的背后，是中国科技扎扎实实的进步，而这一进步是几代科技工作者的努力换来的。科技进步不易，且行且珍惜。



2B3C

👍 141

福祸两相依，华夏必浴火重生。这是一次全系统性压力测试，以历史经验来看，每次战争之后，科技水平会脉冲式的膨胀，经济也会爆发式增长。危机危机，有危难也有机遇！加油💪！



Verastar

Crisis also give rises to opportunities.
Challenges also promise innovations.



小易王王

👍 30

还有碧桂园集团旗下的机器人子公司研制的煲仔饭机器人，也已经派去湖北给医护人员送上热腾腾的煲仔饭啦😄



Lexi

👍 27

经过这次疫情，感到无比荣幸生在中国。👍



law+++

👍 25

国人继续努力啊！踏实干事啊！



悠闲自得

👍 21

中国高科技的快速发展得到多国的承认和关注，感到很开心。



满天星

👍 10

聪明勤劳的中国人民会创造出更多奇迹！👍



微风徐徐

👍 8

打卡

nurture v/n.养育, 培育

enlist v.支持, 从军, 招募, 服役

primarily 首先, 主要地

ride-hailing 打车服务, 叫车服务

patrol v/n.巡逻, 巡查

don v.穿上, 披上, 戴上

high-resolution cameras 高分辨率相机

infrared thermometer 红外测温仪, 红外温度计

aerial and terrestrial 空中和陆地的

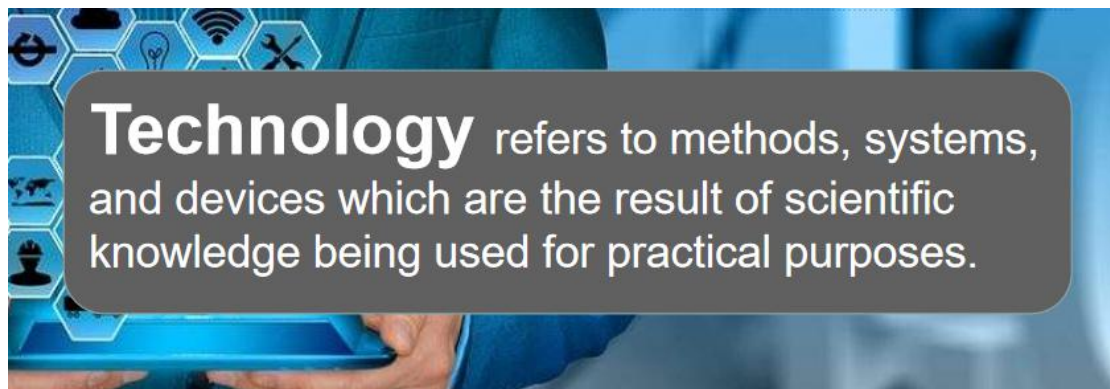
eg: We should nurture the ladder of the talents in international competition.

第三步：主题解读 What is Technology:

What is Technology?



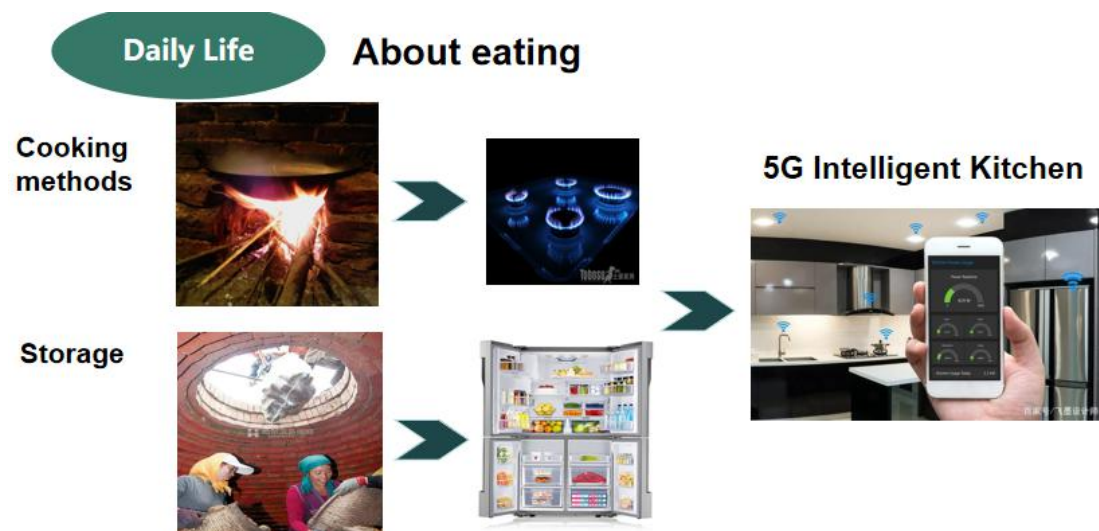
c



Step 3 group discussion: how does technology change our life? From what aspects and by what means?



For example:



20 分钟，花椒小组讨论，随机分配，时间到后截图到群内分享。

点评完毕，过渡下面一段：

Nowadays, we are in an age of technological revolutions. Technological advantages **have both its merits and demerits.**

For one, it is true that it partly solves problems and makes life better.

For most people, technology means you can **do more in less time** and **have fun while doing it**, while **for people with disabilities**, technology can **be so much more than just entertainment**. It can **change their lives** by helping them learn and **enabling them to do things** they wouldn't otherwise be able to do.

At the same time, technological changes may likely **create new problems** thereby **threatening or damaging quality of life.**

Some people believe robots, automation, and software are **reducing** the need for people in many jobs; **some** think technology brings us more **disasters** than benefits, like addiction to virtual world, pollution, nuclear weapon, and etc.

Step 4: talk about the side effect of technology development individually.
i 花椒群讨论。

Despite all the merits technology has brought to our lives, it has also given rise to new problems. Think about some side effects of technology development.

Hints:

Deteriorating environment
Limited attention span
Data security
Internet addiction

Step 5: Now let's take cloning as an example, and see how it changes my life.

做听力理解题：扫描二维码，填空题（i 花椒）



Listen to an audio clip about cloning and try to fill in the blanks.

The news that a sheep in Scotland has been successfully cloned ①_____. What good would it be to clone humans? What would I do with a clone of myself? Then ②_____ that I could have my clone go into work for me while I went out hiking, biking, skiing, etc.! I really could be in two places at once.

But wait a minute. If that's what I would do with my clone, how do I know that I'm not a clone myself? What if the ③_____ had himself cloned and sent the clone (that is, me) in to do his work for him?

This explains a lot:

- all those mysterious checks I find in my ④_____ every month (with my signature) but don't remember writing;
- why my wife doesn't seem to notice when I've been out of town;
- all those traffic tickets I have to pay but swear I never received in the first place;
- why my friends say things like, "I thought I saw you out skiing last week," when I know I was at work;
- why I keep getting fines for ⑤_____ at the library, when I only check out CD's;
- the ⑥_____ to my credit card (the one with my picture on it) from London, Paris, New York ...

I can only hope the original me never gets sentenced to prison.

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答案:

got me wondering, it hit me, original me, bank statement, overdue books, unexplained charges

Step 6 Share answers among us:

Discuss with your partner about cloning, with the help of the following questions.

- ① Do you want a clone of yourself? Explain why.
- ② What would you say to your clone if you had one? Do you think you two would always agree with each other, or would you see each other as enemies?
- ③ What do you think would happen if some great people like Einstein and Beethoven were cloned?

1.No, I don't want to be myself .First, it's illegal. Second,There won't be two identical leave s in the world, everyone is unique.
2.I know all about you happiness and sadness,and all the little emotions. We may not be p erfect,but we're always the best.
3.If they reappear, they may stand on the shoulders of giants and become greater giants.

①No,I didn't.It's so weird to see another me,who is not your twin brother.
②If we never see each other before,both of us will feel startled and terrified.Maybe he alte r my life,so he is my enemy.
③It is impossible.However alike the clone are,they are not those people we know.They just have similar faces,but the spirit will be different.

No,because I prefer to be unique
I would say : "Welcome to be another me"
I think it's possible always to agree with each other ,
There are also some problems between us! But it'simpossible to be enemy
I don't think what will happen!
Although you can clone them, their thinking and memory are not the same ,
So they won't necessarily be Einstein and Beethoven!

①No,I just want to have one of myself in this world.
②You live your life, I live my life, I hope we can understand each other.I think we can agre e with each other because I know his heart.And so does he.
③I think this world can be in chaos.

- 1.No,because I don't want someone take place the statue of mine in life.
- 2.I would say"Hey,we will get along well with each other,but you can't do anything bad without telling me".
- May be we will agree with each other most of time,but the idea of taking place of me should on my guard.
3. Maybe the world will progress much faster

Let's take a specific at the cloning, study its history, development.

And see whether it is ok to conduct cloning.

Now words and expressions first:

abortion /ə'bi:ʃən/ <i>n.</i>	termination of pregnancy 流产; 堕胎
backlash /'bæklæʃ/ <i>n.</i>	an adverse reaction to some political or social occurrence 强烈反对; 后冲; 反撞
catastrophic /,kætə'strɒfɪk/ <i>adj.</i>	extremely harmful; bringing physical or financial ruin 灾难的
claim /kleɪm/ <i>v.</i>	to assert or affirm strongly; to state to be true or existing 声称; 断言
clone /kləʊn/ <i>v.</i>	to make multiple identical copies of 克隆; 无性繁殖
controversy /'kɒntrəvɜ:si/ <i>n.</i>	a dispute where there is strong disagreement 争议; 争论
deformed /dɪ'fɔ:md/ <i>adj.</i>	so badly formed or out of shape as to be ugly 畸形的
donor /'dɒnə/ <i>adj.</i>	blood or tissue or an organ given to be used in another person 捐赠的
embryo /'embriəʊ/ <i>n.</i>	an animal organism in the early stages of growth and differentiation that in higher forms merge into fetal stages but in lower forms terminate in commencement of larval life 胚胎
fertility /fɜ:'tɪlɪtɪ/ <i>n.</i>	capability of producing offspring 繁殖力
hang-up /'hæŋʌp/ <i>n.</i>	the state of being hanging or suspended 搁置
implant /ɪm'plɑ:nt/ <i>v.</i>	to become attached to and embedded in 移植
miscarriage /,mɪs'kæərɪdʒ/ <i>n.</i>	a natural loss of the products of conception 流产
moral /'mɒrəl/ <i>adj.</i>	concerned with principles of right and wrong 道德的; 精神上的
nurture /'nɜ:tʃə/ <i>v.</i>	to help develop, to help grow 培育
sole /səʊl/ <i>adj.</i>	being the only one; single and isolated from others 独占的; 唯一的
sperm /spɜ:m/ <i>n.</i>	the male reproductive cell; the male gamete 精液; 精子
stir /stɜ:/ <i>n.</i>	a disorderly outburst 轰动; 骚动
thrive /θraɪv/ <i>v.</i>	to make steady progress; to be at the high point in one's career 繁荣; 茁壮成长
at bay	陷入困境
stamp ... out	扑灭, 踩灭

a string of
line up
instinct
deform
sole

to one's name
round on
controversy
stamp out
keep something at bay

under the sun
shoot to fame
irrational
embrace