

## ***Computer Virus***

### **Teachers' notes**

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### **1. Purpose statement**

*Computer Virus* is an interactive game where students see, hear and/or read Chinese. The aim of *Computer Virus* is for students to:

- explore the use of the Chinese language within the context of a Chinese space station
- practise their language skills in a fun and motivational way through interactive activities
- manipulate information and language to solve problems by engaging in higher order thinking.

### **2. Overview**

Students will assume the role of Xiao Jingling, a crew member on the Kookaburra No.1 spacecraft. Xiao Jingling has been sent to neutralise a threat on the Great Wall Space Station, where the main computer has been infected with a nasty computer virus. Xiao Jingling is put aboard the space station. Xiao Jingling's mission is to collect all the pieces of a tangram, which have been scattered across the station, in order to find the instructions to neutralise the computer virus. Xiao Jingling must do this within 30 minutes or else the space station will self-destruct.

To meet this challenge, Xiao Jingling must call on his/her language resources to interact with various personalities in each room of the space station. Xiao Jingling does this by selecting Hanzi from a pool of Hanzi in the different rooms, which can be arranged in the language constructor (a bar with three or four squares) to build sentences. To make Xiao Jingling 'say' a sentence, students will click on a 'speak' icon. If the sentence is correct, the audio plays and a response from a character in the room or an action ensues. If the sentence is incorrect, nothing will happen and the students will need to reconstruct the sentence. Xiao Jingling may visit the rooms in any order although in one or two instances they may be prompted to go to a particular room. Xiao Jingling will have a personal robotic assistant, Prak, who will prompt students by flashing a message in English on the screen, if students have not reacted within a certain time frame. Students can also click on Prak at any time for help. The rules for navigation are contained within the game.

### 3. Language level (Prior knowledge)

Exchanges between Xiao Jingling and other characters are short and use familiar vocabulary and structures. They are written in Hanzi with some audio but no Pinyin support.

Students should be familiar with some vocabulary for:

- colours
- food
- parts of the body
- numbers
- measurement of length and weight
- clothing
- animals
- furniture
- prepositions of place
- weather
- the planets

and with the language for:

- simple greetings
- formulaic expressions for expressing and responding to thanks
- asking and telling the time
- asking about and expressing likes and wants
- asking and responding to questions using the question particle 吗
- asking and responding to questions using the question words 什么, 几 and 在哪里.

## 4. Learning outcomes

Students will enhance their understanding of the Chinese language and come to appreciate language used in various situations. Students will collect useful language to assemble their own sentences in order to complete necessary tasks. To succeed in their mission to save the space station, students will need to learn and use new language in context.

Specifically, students will learn to:

- recognise words, phrases and simple sentences in Chinese
- identify familiar patterns and features of Chinese
- recognise and follow Chinese script while listening to it
- identify features of written Chinese
- respond to spoken and written texts using written language.

Students will consolidate their knowledge of:

- the solar system
- clock time
- major capital cities and world time zones
- Chinese onomatopoeia for animal sounds
- the use of ICTs for communicative purposes.

## 5. Suggested classroom activities:

- Students go to the world times website <http://www.timeanddate.com/worldclock/>  
They work in pairs and ask each other questions in Chinese about the time in different cities of the world.
- Design a pet or monster: students write a description of an imaginary pet or monster in Chinese using colours and body parts. Then they read out their description to their partner or group, and the partner has to draw the picture described.
- Students go to the world weather website <http://worldweather.wmo.int/>  
They work in pairs and ask each other in Chinese what the weather is like in different cities. They also ask each other if they like the type of weather for the city.
- Exercise schedule: students work out an exercise schedule in Chinese and describe it to their partner, or have the partner carry out the exercise.
- Students draw a diagram of their classroom or bedroom and describe what things there are, and where they are located.
- Plan a party: students undertake a class survey asking what food and drinks their classmates like. They then compile the results to find out the most popular food and drinks, and decide the party menu.
- Design a talking vending machine: students either draw pictures or write the names of the products available and the prices on the machine. A student takes the role of the vending machine's voice. Classmates then ask the machine for something in Chinese, and ask how much it is. The vending machine answers in Chinese.
- Write a diary entry for Xiao Jingling's day, describing some of the rooms he/she went to, and the tasks he/she carried out.
- Write the script of a conversation Xiao Jingling might have with his/her Chinese-speaking colleague after he/she returns from the Chinese space ship.

## 6. Language structures

### 1. Arrivals

Xiao Jingling hears an announcement. He/she then greets the space station's information officer who in turn greets and welcomes him/her.

<i>Chinese</i>	<i>Pinyin</i> (for teacher reference only)	<i>English</i>
敬爱的旅客们，请你们现在 前往询问处。	Jìngài de lùkèmen, qǐng nǐmen xiànzài qiánwáng xùnwènchù.	Dear travellers, would you please proceed to the Information Centre now.
你好！	Nǐ hǎo!	Hello!
欢迎，欢迎！	Huānyīng, huānyīng!	Welcome!
再见！	Zàijiàn!	Goodbye!
开门！	Kāimén!	Open the door!

## 2. Information

Xiao Jingling is greeted by the space station's information officer and given his/her Personal Robotic Assistant.

<i>Chinese</i>	<i>Pinyin</i> <i>(for teacher reference only)</i>	<i>English</i>
你好!	<i>Nǐ hǎo!</i>	Hello!
给你。	<i>Gěi nǐ.</i>	This is for you.
谢谢。	<i>Xièxie.</i>	Thank you.
再见!	<i>Zàijiàn!</i>	Goodbye!
开门!	<i>Kāimén!</i>	Open the door!

### 3. Food vending machine

Xiao Jingling must purchase items in order to feed the dog in the junkyard and to receive a piece of the tangram. When an item has been purchased the vending machine will show that particular item as sold out.

<i>Chinese</i>	<i>Pinyin (for teacher reference only)</i>	<i>English</i>
你好！	<i>Nǐ hǎo!</i>	Hello!
我要买春卷。	<i>Wǒ yào mǎi chūnjuǎn.</i>	I want to buy spring rolls.
我要买饺子。	<i>Wǒ yào mǎi jiǎozi.</i>	I want to buy dumplings.
我要买炒饭。	<i>Wǒ yào mǎi chǎofàn.</i>	I want to buy fried rice.
我要买三明治。	<i>Wǒ yào mǎi sānmíngzhì.</i>	I want to buy sandwiches.
我要买比萨。	<i>Wǒ yào mǎi bǐsa.</i>	I want to buy pizza.
给你！	<i>Gěi nǐ!</i>	This is for you!
谢谢。	<i>Xièxie.</i>	Thank you.
再见！	<i>Zàijiàn!</i>	Goodbye!
开门！	<i>Kāimén!</i>	Open the door!

#### 4. Space junkyard

Xiao Jingling must feed the hungry dog. Prak will prompt Xiao Jingling to find the food vending machine. Xiao Jingling will then need to return to the junkyard to feed the dog with the food items purchased from the food vending machine in order to receive a piece of the tangram.

<i>Chinese</i>	<i>Pinyin (for teacher reference only)</i>	<i>English</i>
我饿了！	<i>Wǒ è le.</i>	I'm hungry.
你喜欢吃春卷吗？	<i>Nǐ xǐhuan chī chūnjuǎn ma?</i>	Do you like to eat spring rolls?
你喜欢吃饺子吗？	<i>Nǐ xǐhuan chī jiǎozi ma?</i>	Do you like to eat dumplings?
你喜欢吃炒饭吗？	<i>Nǐ xǐhuan chī chǎofàn ma?</i>	Do you like to eat fried rice?
你喜欢吃三明治吗？	<i>Nǐ xǐhuan chī sānmíngzhì ma?</i>	Do you like to eat sandwiches?
你喜欢吃比萨吗？	<i>Nǐ xǐhuan chī bǐsa ma?</i>	Do you like to eat pizza?
喜欢。	<i>Xǐhuan.</i>	(Yes, I) like.
不喜欢。	<i>Bù xǐhuan.</i>	(No, I) don't like.
再见！	<i>Zàijiàn!</i>	Goodbye!
开门！	<i>Kāimén!</i>	Open the door!



## 5. Laboratory

Xiao Jingling will first need to select the colours and body parts from the chart to make them appear in the language constructor. A child robot will ask Xiao Jingling to build a pet and will ask for specific coloured body parts. In order to receive a piece of the tangram, Xiao Jingling will then need to correctly ask the pet builder robot for the coloured body parts the child robot says, which will then automatically appear on the model.

<b>Chinese</b>	<b>Pinyin (for teacher reference only)</b>	<b>English</b>
我要一个宠物。	<i>Wǒ yào yí gè chǒngwù.</i>	I want a pet .
我要……色……的。	<i>Wǒ yào ... sè de.</i>	I want [coloured] [body parts].
e.g. 我要黄色的头。	<i>e.g. Wǒ yào huángsè de tóu.</i>	e.g. I want a yellow head.
我要红色的眼睛。	<i>Wǒ yào hóngsè de yǎnjīng.</i>	I want red eyes.
我要紫色的耳朵。	<i>Wǒ yào zǐsè de ěrduo.</i>	I want purple ears.
我要绿色的尾巴。	<i>Wǒ yào lǜsè de wěiba.</i>	I want a green tail.
我要蓝色的腿。	<i>Wǒ yào lán sè de tuǐ.</i>	I want blue legs.
很好看，谢谢。	<i>Hěn hǎokàn, xièxie.</i>	It's very nice looking, thank you.
不用谢。	<i>Búyòngxiè.</i>	Don't mention it.
再见！	<i>Zàijiàn!</i>	Goodbye!
开门！	<i>Kāimén!</i>	Open the door!

## **6. Observation deck**

A mobile of the solar system has been damaged and three of the planets have fallen off and rolled under furniture. The guard will ask Xiao Jingling where each of the missing planets is. In order to receive a piece of the trigram Xiao Jingling will need to identify where each missing planet is and answer correctly. Each planet will then automatically jump back into position in the mobile.

<i>Chinese</i>	<i>Pinyin (for teacher reference only)</i>	<i>English</i>
太阳	Tàiyáng	Sun
水星	Shuǐxīng	Mercury
金星	Jīnxīng	Venus
地球	Dìqiú	Earth
火星	Huǒxīng	Mars
木星	Mùxīng	Jupiter
土星	Tùxīng	Saturn
天王星	Tiānwángxīng	Uranus
海王星	Hǎiwángxīng	Neptune
木星在哪里？	Mùxīng zài nǎlǐ?	Where's Jupiter?
在柜子里面。	Zài guìzi lǐmian.	In the cupboard.
火星在哪里？	Shuǐxīng zài nǎlǐ?	Where's Mercury?
在椅子下面。	Zài yǐzi xiàmiàn.	Under the chair.
水星在哪里？	Huǒxīng zài nǎlǐ?	Where's Mars?
在桌子上面。	Zài zhuōzi shàngmiàn.	On the table.
给你！	Gěi nǐ!	This is for you!
谢谢。	Xièxie!	Thank you!
再见！	Zàijiàn!	Goodbye!
开门！	Kāimén!	Open the door!

## 7. Gym

Xiao Jingling must go to the icon for the activity the gym instructor says. Xiao Jingling will activate the equipment by selecting and 'saying' the correct language. Xiao Jingling will then be 'sucked through' window, the door will close for Xiao Jingling to participate in the activity.

<b>Chinese</b>	<b>Pinyin (for teacher reference only)</b>	<b>English</b>
欢迎，欢迎！跑五公里！ 你要跑多远？ 跑五公里。	Huānyíng, huānyíng! Pǎo wǔ gōnglǐ. Nǐ yào pǎo duō yuǎn? Pǎo wǔ gōnglǐ.	Welcome. Run 5 kms. How far are you running? Run 5 kms.
骑十分钟。 你要骑多长时间？ 骑十分钟。	Qí shí fēnzhōng. Nǐ yào qí duō cháng shíjiān? Qí shí fēnzhōng.	Ride for 10 minutes. How long are you riding for? Ride for 10 minutes.
跳二十下！ 你要跳多少次？ 跳二十次。	Tiào èrshí xià. Nǐ yào tiào duōshao cì? Tiào èrshí cì.	Jump 20 times! How many times are you jumping? Jump 20 times.
给你！	Gěi nǐ.	This is for you.
谢谢！	Xièxie!	Thank you.
再见！	Zàijiàn!	Goodbye.
开门！	Kāimén!	Open the door!

## 8. Communications room

Xiao Jingling needs to fix the world clocks which have all reverted to zero. The attendant will ask Xiao Jingling what the time is in four major world cities in turn. In order to respond, students need to look at the world map which shows dots representing the five cities and their relevant times. They then need to select the correct time in Hanzi for the time. The clocks will automatically show the correct time when Xiao Jingling says the correct time.

<i>Chinese</i>	<i>Pinyin (for teacher reference only)</i>	<i>English</i>
北京几点了? 悉尼几点了? 纽约几点了? 伦敦几点了?	<i>Běijīng jǐ diǎn le?</i> <i>Xīní jǐ diǎn le?</i> <i>Nǚyuē jǐ diǎn le?</i> <i>Lúndūn jǐ diǎn le?</i>	What's the time in Beijing? What's the time in Sydney? What's the time in New York? What's the time in London?
北京二十点。 悉尼二十二点。 纽约七点。 伦敦十二点。	<i>Běijīng èrshí diǎn.</i> <i>Xīní èrshí'èr diǎn.</i> <i>Nǚyuē qī diǎn.</i> <i>Lúndūn shí'èr diǎn.</i>	It's 20:00 hrs in Beijing. It's 22:00 hrs in Sydney. It's 07:00 hrs in New York. It's 12:00 hrs in London.

## 9. Weather room

The computer virus has caused a malfunction in the weather. It is blowing a gale, raining and snowing all at the same time. Xiao Jingling needs to correctly ask each weather type to stop in order to receive a piece of the tangram.

<i>Chinese</i>	<i>Pinyin (for teacher reference only)</i>	<i>English</i>
你喜欢下雨天吗? 你喜欢下雪天吗? 你喜欢刮风天吗? 我不喜欢下雨天。 我不喜欢下雪天。 我不喜欢刮风天。	Nǐ xǐhuan xià yǔ tiān ma? Nǐ xǐhuan xià xuě tiān Nǐ xǐhuan guā fēng tiān Wǒ bù xǐhuan xià yǔ tiān. Wǒ bù xǐhuan xià xuě tiān. Wǒ bù xǐhuan guā fēng tiān.	Do you like rainy days? Do you like snowy days? Do you like windy days? I don't like rainy days. I don't like snowy days. I don't like windy days.
我让它不下雨, 好吗? 我让它不下雪, 好吗? 我让它不刮风, 好吗? 好!	Wǒ ràng tā bú xià yǔ, hǎo ma? Wǒ ràng tā bú xià xuě, hǎo ma? Wǒ ràng tā bú guā fēng, hǎo ma? Hǎo!	Let's stop the rain. Let's stop the snow. Let's stop the wind. OK.
你喜欢晴天吗? 我喜欢晴天。	Nǐ xǐhuan qíng tiān ma? Wǒ xǐhuan qíng tiān.	Do you like fine days? I like fine days.
给你!	Gěi nǐ.	This is for you.
谢谢!	Xièxie.	Thank you!
再见!	Zàijiàn!	Goodbye!
开门!	Kāimén!	Open the door!

## 10. Control room

Xiao Jingling enters this room to obtain the seventh piece of the tangram.

<i>Chinese</i>	<i>Pinyin</i> <i>(for teacher reference only)</i>	<i>English</i>
你好!	Nǐ hǎo!	Hello!
给你。	Gěi nǐ.	This is for you.

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