

Beyond the Panda 熊猫后续



The RZSS Beyond the Panda educational programme is designed for cross curricular learning where pupils investigate and discover more about China, its culture, language, geography, giant pandas and other Chinese wildlife. The materials cover Curriculum for Excellence experiences and outcomes in science, topical science, social studies, language and literacy.

in partnership with



SCILT Scotland's National Centre for Languages



西南交通大学
Southwest Jiaotong University



育 SCEN
SCOTLAND CHINA EDUCATION NETWORK

Arnold Clark

Live virtual sessions P4-P7

7/8 week progressive programme

Key learning objectives in science and language for each week of the course:

<p>1. The giant panda</p> <p>Science:</p> <ul style="list-style-type: none">• differences between giant panda & other bears• life-cycle• distribution & habitat <p>Mandarin Language:</p> <ul style="list-style-type: none">• numbers• words for giant panda & bamboo• listening skills• interpretation of simple sentences	<p>2. China/Scotland</p> <p>Science:</p> <ul style="list-style-type: none">• habitats of China & Scotland• biodiversity of China & Scotland• comparison of some animals from China & Scotland with brief introduction to classification & adaptations <p>Mandarin Language:</p> <ul style="list-style-type: none">• brief introduction to Chinese characters• looking at ancient origins to assist with understanding of the characters• habitat names
<p>3. Sorting animals</p> <p>Science:</p> <ul style="list-style-type: none">• definition of classification• vertebrate group definitions• look at body covering, breathing & breeding in the 5 vertebrate groups <p>Mandarin Language:</p> <ul style="list-style-type: none">• look at literal translations to help understanding• learn Chinese words are made up of 1,2 or 3 characters• listening skills• interpretation of sentences – e.g. ‘I am a ...’	<p>4. Chinese Endangered Species Pt. 1</p> <p>Science:</p> <ul style="list-style-type: none">• look at distribution & habitats using four Chinese species• look at adaptations of the same four Chinese species <p>Mandarin Language:</p> <ul style="list-style-type: none">• further look at literal translations to help understanding• listening & reading skills• interpretation of sentences – e.g. ‘I live in ...’
<p>5. Chinese Endangered Species Pt. 2</p> <p>Science:</p> <ul style="list-style-type: none">• definition of threats• identify some threats - habitat loss, overhunting, pollution & climate change• discover some solutions <p>Mandarin Language:</p> <ul style="list-style-type: none">• further look at literal translations to help understanding• listening & reading skills• threat names	<p>6. A panda history</p> <p>Science:</p> <ul style="list-style-type: none">• differences in opinions & conservation research over history• importance of zoos today• explanation of why there is a giant panda programme <p>Mandarin Language:</p> <ul style="list-style-type: none">• how to write dates & years in Chinese• some country names• listening & reading skills
<p>7. Chinese Zodiac</p> <p>Science:</p> <ul style="list-style-type: none">• some animal facts <p>Mandarin Language:</p> <ul style="list-style-type: none">• animal names through a fun story linking common English sounding words to Chinese names of animals• listening skills <p>Culture:</p> <ul style="list-style-type: none">• discovering some Chinese culture with connections to animals	<p>8. Summary</p> <p>Science:</p> <ul style="list-style-type: none">• revision on key points from all sessions <p>Mandarin Language:</p> <ul style="list-style-type: none">• revision on key points from all sessions <p>Sessions 1-7 are live virtual sessions. It is hoped that the 8th session may be booked as an outreach visit to the school once restrictions are lifted. This would give an opportunity for the pupils to investigate and handle the skulls and models used during the delivery of the virtual sessions.</p>

Live virtual sessions P1-P3

There are two 'stand alone' sessions available for lower primary.

Introduction to the giant panda

Science:

- investigates the differences between giant pandas & other bears
- investigates the differences & similarities between the giant panda & the red panda

Mandarin Language:

- numbers
- words and characters for big and small
- listening & reading skills

'I can see, hear, smell, taste and touch'

Science:

- looks at the similarities and differences between the human and giant panda senses
- investigates some other animal senses

Mandarin Language:

- numbers
- body parts
- listening & reading skills
- recognition of some simple Chinese characters

Zoo Fun with Mandarin

Zoo Fun with Mandarin is a mini Mandarin language course with a difference. The course is a short introduction to the Mandarin language and Chinese characters while also learning about some Chinese animals and their habitats.

The course will run for families at various times throughout the year and is a series of 3, one hour live virtual sessions:

Session 1 – Let's count the animals!

Session 2 – Let's introduce ourselves.

Session 3 – Looking more closely at characters.

The course notes and activities are available on the website and can be useful as additional learning tools. Please note that the course notes are designed to accompany the live virtual sessions led by the course teacher and therefore do not contain all the background teaching and information.

Planning & Learning Map (Language)

Although the resources are organised in packs aimed at Nursery, P1-P3, P4-P7 and S1-S2, the games and activities can be used across the age levels. There are a mix of online interactive games & materials to download and print. The online games include sounds but there are also some separate sound files.

Topic	Resource	Section
Greetings	Panda game	Zoo Fun with Mandarin
	Let's introduce ourselves	Zoo Fun with Mandarin
	Useful expressions	Zoo Fun with Mandarin
Numbers	Number story English & Mandarin Number story Mandarin only Number card Number story book	Nursery Resources
	Number matching	P1-P3 Panda Pack
	Giant panda's hand	Virtual session resources – The giant panda
Numbers & measure words	Let's count Let's count the animals	Zoo Fun with Mandarin
Dates	Months & years	Zoo Fun with Mandarin
	Days of the week	Zoo Fun with Mandarin
	Match the dates	Virtual session resources – A panda history
Colours	Colour story English & Mandarin Colour story Mandarin only Colour card level 1 Colour card level 2 Colour story book	Nursery Resources
	Colour matching	P1-P3 Panda Pack
	Colourful pandas colouring worksheet	Additional Resources
Body parts	Panda senses photo matching Panda senses & body parts	P1-P3 Panda Pack Panda Folders Level 1
	Panda senses matching board	P1-P3 Panda Pack
	Body part sound files	Panda Folders Level 1
Body parts - teeth	Giant panda & black bear skull boards Skull info & question card Giant panda's teeth	P4-P7 Panda Pack Virtual session resources – The giant panda

Planning & Learning Map (Language)

Topic	Resource	Section
Countries	Countries & Nationalities	Virtual session resources – A panda history
Regions	China map activity	S1-S2 Panda Pack
Directions	Chinese endangered species	Virtual session resources – Chinese End. Species Pt. 1
Animal names	<i>China/Scotland comparison animals:</i> Amur tiger & Scottish wildcat Sea eagles Chinese cobra & Scottish adder Chinese salamander & great crested newt	China/Scotland Pack
	Mammal fact files	China/Scotland Pack
	Bird fact files	China/Scotland Pack
	Reptile fact files	China/Scotland Pack
	Amphibian fact files	China/Scotland Pack
	Fish fact files	China/Scotland Pack
	Animal & adaptation game	S1-S2 Panda Pack
	Endangered species game: how to play & answers animal distribution maps endangered game sound files	Additional resources – P4-P7 endangered species game
Animal names & groups	Fur, feathers, skin & scales	P1-P3 Panda Pack
	Classification Classification glossary	P4-P7 Panda Pack
	Sorting animals in Chinese	Virtual session resources – Sorting animals
Habitats	Chinese habitats & Chinese characters	China/Scotland Pack
	Chinese habitat flashcards	China/Scotland Pack
	Animal & adaptation game	S1-S2 Panda Pack
Nature related words	Enclosure activity	S1-S2 Panda Pack
Threats	Threats in Chinese characters	Virtual session resources – Chinese End Species Pt. 2

Planning & Learning Map (Language & Culture)

Topic	Resource	Section
Grammar	I, you, he, she, they, we ...	Zoo Fun with Mandarin
	Sentences in Mandarin – 'I am a ...'	Virtual session resources – Sorting animals
	Sentences in Mandarin – 'I live in ...'	Virtual session resources – Chinese End. Species Pt.1
Radicals	Character building blocks set 1 Character building blocks set 2 Character building blocks – notes	Additional Resources
The Silk Road	Story of silk activity	S1-S2 Panda Pack
What's China famous for?	China/Scotland game board China/Scotland game cards how to play & answers China/Scotland game China/Scotland game: Level 1	China/Scotland Pack
Face Changing	Face changing booklet	Additional Resources
Chinese Tea	Sichuan tea ceremony booklet	Virtual resources - Chinese Zodiac
Chinese Zodiac	Chinese Zodiac game	Virtual resources – Chinese Zodiac
Chinese etiquette	Chinese etiquette game	S1-S2 Panda Pack
Art	Giant panda art activity	S1-S2 Panda Pack
Legendary animals	Dragon & Loch Ness Monster	China/Scotland
Ancient characters	Ancient character game	Additional Resources
Dinosaurs	Dinosaur bingo cards Dinosaur bingo calling cards Dinosaur bingo game translations	Additional Resources
Sugar Painting	Sugar painting photos	Additional Resources
Sichuan Opera	Sichuan Opera photos	Additional Resources
Dujiangyuan Panda Valley	Giant panda photos	Additional Resources
Chengdu Panda Research Centre	Giant panda photos More photos – giant & red panda	Additional Resources

Planning & Learning Map (Science)

Topic	Resource	Section
Giant panda lifecycle	Giant panda's lifecycle diagram	P1-P3 Panda Pack
	Giant panda's lifecycle activity	P4-P7 Panda Pack
	Giant pandas & babies	Virtual session resources – The giant panda
Giant panda skull & teeth	Giant panda's teeth	Virtual session resources – The giant panda
Giant panda biology	Giant panda & black bear skull boards Skull info & question card	P4-P7 Panda Pack
	Giant panda biology challenges	S1-S2 Panda Pack
Giant panda distribution	Habitat map – current distribution Habitat map – historic distribution Habitat map question cards	P4-P7 Panda Pack
The bamboo plant	Bamboo & the giant panda's distribution	Virtual session resources – The giant panda
	Bamboo base board Bamboo labels Bamboo question cards	P4-P7 Panda Pack
Habitats	China: Name the habitats	China/Scotland Pack
	Scotland: Name the habitats	China/Scotland Pack
	Habitat definitions	China/Scotland Pack
	Giant panda habitat building game board hexagon cards & spinner	P1-P3 Panda Pack <i>(There is also an alternative version in Panda Folders Level 1)</i>
	China's animals and habitats	Zoo Fun with Mandarin
	Animal & adaptation game	S1-S2 Panda Pack
	Endangered species game: how to play & answers animal distribution maps endangered game sound files	Additional resources – P4-P7 endangered species game
Classification	Fur, feathers skin & scales Chinese animal classification Sorting animals	P1-P3 Panda Pack P4-P7 Panda Pack Virtual session resources – Sorting animals

Planning & Learning Map (General)

Topic	Resource	Section
China/Scotland comparison	China/Scotland workbook	China/Scotland
Panda Folders	Panda Folder level 1 Panda workbook level 1 Level 1 answers	Panda Folders Level 1
	Panda Folder level 2 Panda workbook level 2 Level 2 answers	Panda Folders Level 2
Maps	China habitat map	China/Scotland
	Scotland habitat map	China/Scotland
	China Region map Region map question cards	P4-P7 Panda Pack
Sound files	China/Scotland sound files	China/Scotland
	Number story sound files	Nursery Resources
	P1-P3 all sound files	P1-P3 Panda Pack
	P4-P7 all sound files	P4-P7 Panda Pack
	S1-S3 all sound files	S1-S2 Panda Pack
	giant panda virtual session sound files	Virtual session resources – The giant panda
	sorting animals virtual session sound files	Virtual session resources – Sorting animals
	Chinese End Species Pt. 1 virtual session sound files	Virtual session resources – Chinese End Species Pt. 1
	Threats virtual session sound files	Virtual session resources – Chinese End Species Pt. 2
Teacher notes	Teacher Notes for Panda Packs – How to Play and answers	P1-P3 Panda Pack P4-P7 Panda Pack notes and answers for the P1-P3 and P4-P7 Panda Packs
	Answers booklet for S1-S2 Panda Pack	S1-S2 Panda Pack
Zoo Fun with Mandarin	Zoo Fun with Mandarin course notes	Zoo Fun with Mandarin
	RZSS, Edinburgh Zoo & Highland Wildlife Park	Zoo Fun with Mandarin

Planning & Learning Map (Conservation)

Topic	Resource	Section
Conservation	Panda/bamboo timeline game board Panda/bamboo timeline cards Panda/bamboo extension cards Panda/bamboo blank template	P4-P7 Panda Pack <i>How to play is included in the Teacher Notes for Panda Packs - page 9</i> <i>Blank template -to make your own giant panda game</i>
Endangered species	Endangered species game: how to play & answers animal distribution maps	Additional resources – P4-P7 endangered species game
Threats	Threats and solutions	Virtual session resources – Chinese End Species Pt. 2

Planning & Learning Map (Advanced)

Secondary Case Study Pack	Secondary endangered species game board Amur tiger cards Giant panda cards Sea eagle cards Bharal cards Secondary endangered species case study How to play & answers Animal distribution map Animal distribution map key	Secondary Endangered Species
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