



# Beyond the Panda

熊猫后续





# CHINA

# 中国

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.

Beyond the Panda was created in 2013 and continues to evolve each year. In 2018, RZSS was awarded science specialist Confucius Classroom status. The programme now has three elements:

China Mobile Library

Chinese outreach

Science Specialist Confucius Classroom



西南交通大学  
Southwest Jiaotong University



**Arnold Clark**

The China Mobile Library is a set of resources called 'panda packs' with associated expert visits.

The 'panda packs' are FREE for all to download from [beyondthepanda.org.uk](http://beyondthepanda.org.uk)

Expert visits are FREE throughout Scotland and the north of England. The expert visits can either be an introduction to the resources or for revision after use. The RZSS Language Project Coordinator will bring different games and resources along with skulls, bamboo and models to enhance the learning. Expert visits are for 1 hour per class and maximum class size of 30 pupils.

Teacher training sessions on the use of the 'panda packs' are also available to book.

All resources are linked to Mandarin language learning.  
Sound files are available on the website.

### P1-P3 Panda Pack contents:

- ▼ Giant panda senses game
- ▼ Giant panda lifecycle poster
- ▼ Chinese colours matching game
- ▼ Chinese numbers matching game
- ▼ Giant panda habitat building game
- ▼ Fur, feathers, skin & scales classification

### P4-P7 Panda Pack contents:

- ▼ Bamboo quiz
- ▼ Giant panda lifecycle game
- ▼ Chinese animal classification
- ▼ Panda/bamboo timeline game
- ▼ China region map & question cards
- ▼ China habitat map & question cards
- ▼ Teeth & diet investigation for giant panda & Asiatic black bear



# Curriculum for Excellence

## Panda Packs

### P1-P3

**SOC 0-08a** 'I explore and appreciate the wonder of nature within different environments and have played a part in caring for the environment.'

**SCN 0-01a** 'I have observed living things in the environment over time and am becoming aware of how they depend on each other.'

**SCN 0-12a** 'I can identify my senses and use them to explore the world around me.'

**LIT 0-01a / LIT 0-11a / LIT 0-20a** 'I enjoy exploring and playing with the patterns and sounds of language, and can use what I learn.'

**LIT 0-01b / LIT 0-11b** 'I enjoy exploring and choosing stories and other texts to watch, read or listen to, and can share my likes and dislikes.'

### P4-P7

**SCN 2-01a** 'I can identify and classify examples of living things, past and present, to help me appreciate their diversity. I can relate physical and behavioural characteristics to their survival or extinction.'

**SCN 2-14a** 'By investigating lifecycles of plants and animals, I can recognise the different stages of their development.'

**SCN 2-20a** 'Through research and discussion I have an appreciation of the contribution that individuals are making to scientific discovery and invention and the impact this has made on society.'

**SOC 2-06a** 'I can discuss why people and events from a particular time in the past were important, placing them within a historical sequence.'

**MLAN 2-08a** 'I work on my own and with others to understand text using appropriate resources, demonstrating my understanding by matching written words to pictures and by reconstructing the text in a logical sequence.'

**MLAN 2-09a** 'I work on my own and with others to read and discuss simple texts in the language I am learning. I can share simple facts about features of life in some of the countries where the language I am learning is spoken.'

### P1-P3 Panda Pack



### P4-P7 Panda Pack



# Beyond the Panda website - Primary Packs

## Menu

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Project History ▶

Planning for Pandas ▶

Meet the Panda Team ▶

China Mobile Library ▶

Endangered Species ▶

Panda Pass It On ▶

Zoo Fun With Mandarin ▶

Additional Mandarin Resources ▶

Course Help Forum ▶

## P1 - P3 Panda Pack



P1-P3 panda pack - How to Play



P1-P3 Panda Pack - ANSWERS



Giant panda habitat game



Giant panda habitat cards



Number matching



Colour matching



Beyond the Panda resources are game based. The resources for the P1-P3 and P4-P7 panda packs are available to download and print. It is advised to print at A3 and in colour. The cards for the games do have to be cut out and we would advise laminating for longer use.

If you book an expert visit, one **free** good quality card pack for P1-P3 and P4-P7 is provided per school. These will be partially cut. All circles and random shapes will be cut for your convenience but you will still need to cut out the square and rectangular cards. You will also still need to laminate.

Please note that although expert visits can be booked each year, only one of the **free** card P1-P3 and P4-P7 packs are provided per school.

**Additional Chinese Endangered Species outreach sessions are available.**

## P1-P3

**Duration: 1 hour**

**Maximum class size: 30**

A mixture of whole class interactive activities and workstations looking at different Chinese animals and their habitats. Includes Mandarin language games.

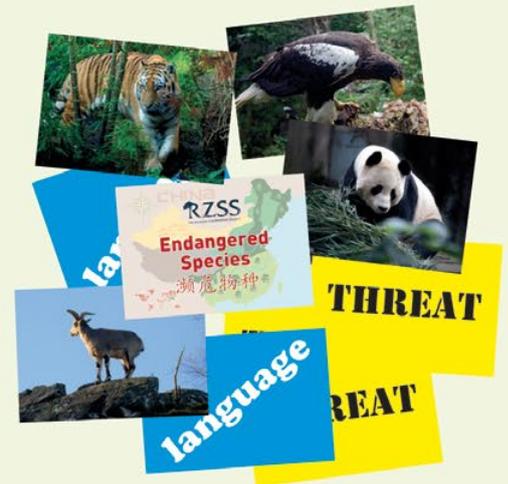


## P4-P7

**Duration: 1 hour**

**Maximum class size: 30**

A mixture of whole class interactive activities and workstations looking at habitats, threats and solutions. Threats covered are habitat loss, pollution, over-hunting and climate change. Includes investigating skulls and other artefacts. Includes Mandarin language games.



## Curriculum for Excellence

### Endangered Species

#### Primary

**SCN 0-01a** 'I have observed living things in the environment over time and am becoming aware of how they depend on each other.'

**SOC 2-08a** 'I can discuss the environmental impact of human activity and suggest ways in which we can live in a more environmentally-responsible way.'

**MLAN 2-08a** 'I work on my own and with others to understand text using appropriate resources, demonstrating my understanding by matching written words to pictures and by reconstructing the text in a logical sequence.'

**MLAN 2-09a** 'I work on my own and with others to read and discuss simple texts in the language I am learning. I can share simple facts about features of life in some of the countries where the language I am learning is spoken.'

A Secondary pack aimed at S1-S2 is available to download.  
Sound files are available on the website.

- ▶ China map activity
- ▶ Chinese animal & adaptation game
- ▶ Giant panda art activity
- ▶ Giant panda enclosure activity
- ▶ Giant panda biology challenges
- ▶ Story of silk game
- ▶ Chinese etiquette game



## Curriculum for Excellence

### S1 - S2 Pack

**SCN 3-01a** 'I can sample and identify living things from different habitats to compare their biodiversity and can suggest reasons for their distribution.'

**SCN 3-14a** 'I understand the processes of fertilisation and embryonic development and can discuss possible risks to the embryo.'

**SOC 2-01a** 'I can use primary and secondary sources selectively to research events in the past.'

**EXA 3-07a** 'I can respond to the work of artists and designers by discussing my thoughts and feelings. I can give and accept constructive comment on my own and others' work.'

**MLAN 3-08a** 'I work on my own and with others to understand text using appropriate resources, I can read and demonstrate understanding of more complex texts which contain familiar and unfamiliar language.'

**MLAN 3-09a** 'I work on my own and with others to read and explore texts in the language I am learning. I can demonstrate my knowledge about life and culture in some of the countries where the language I am learning is spoken.'

**MLAN 3-11a** 'I can recognise features of words in the language I am learning and use them to make sense of vocabulary and of the connections between words.'

An advanced version of the Endangered Species game is available for Secondary level. Sound files are available on the website.

- ▶ Chinese Endangered Species game
- ▶ Mandarin language case study pack
- ▶ Video training on use of game



## Curriculum for Excellence

### Secondary

**SOC 3-08a** 'I can identify the possible consequences of an environmental issue and make informed suggestions about ways to manage the impact.'

**SOC 4-08a** 'I can discuss the sustainability of key natural resources and analyse the possible implications for human activity.'

**MLAN 3-08a** 'I work on my own and with others to understand text using appropriate resources. I can read and demonstrate understanding of more complex texts which contain familiar and unfamiliar language.'

**MLAN 4-08a** 'Using a variety of resources, I can independently read text which is more detailed and which contains complex language including a range of tenses, and demonstrate my understanding.'

# Beyond the Panda website - Secondary Packs

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China Mobile Library ▶

Endangered Species ▶

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## S1 - S2 Pack



China region map and game cards



China animal and adaptation game



Giant panda art activity



Giant panda biology challenges



Beyond the Panda resources are game based. The resources for the S1-S2 pack and the Secondary Endangered Species game are available to download and print. It is advised to print at A3 and in colour. The cards for the games do have to be cut out and we would advise laminating for longer use.

There is no specific outreach for Secondary but please contact the RZSS Language Project Coordinator to discuss options for secondary students.

# RZSS Confucius Classroom 苏格兰皇家动物协会孔子课堂

RZSS is the first science specialist Confucius Classroom in the world!

Confucius Classrooms exist in schools throughout Scotland, UK and the world to promote the learning of Chinese language and culture. In 2018\* a new initiative proposed by the Confucius Institute for Scotland's Schools introduced the first specialist Confucius Classrooms in Scotland.

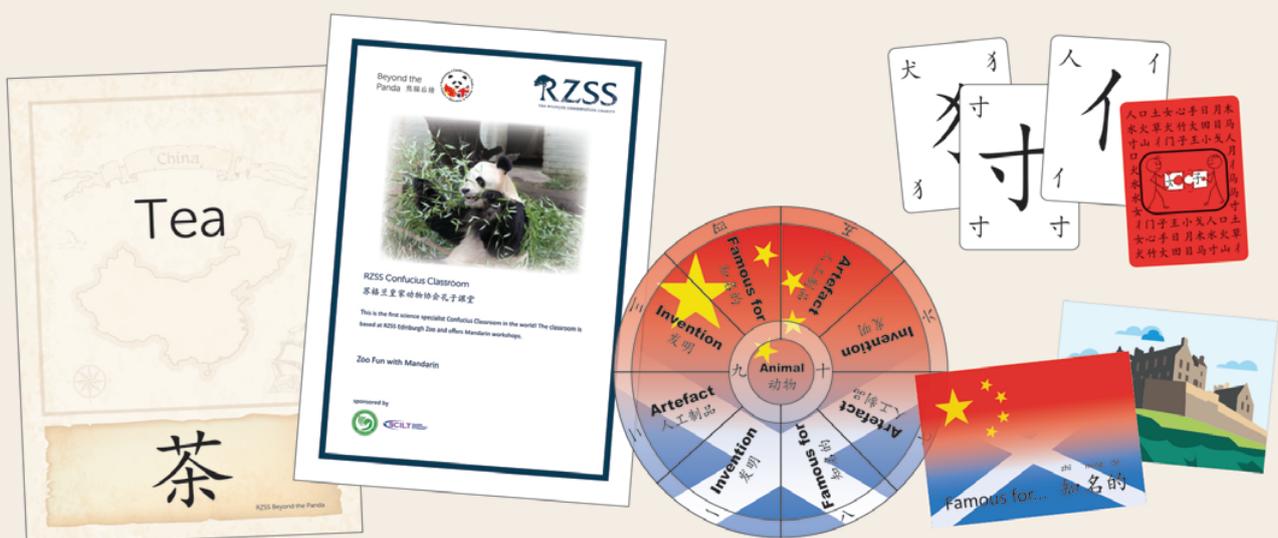
There are a variety of different activities and events within our science Confucius Classroom. These vary from year to year. Please look out for details or contact the RZSS Language Project Coordinator.

Zoo Fun with Mandarin is a short introductory course developed for the RZSS Confucius Classroom. The course will run for families at various times throughout the year. A booklet can be downloaded from the website but please note that it is designed to be used with the interactive activities and games within the course and with the assistance of the course teacher.

Other resources are also available to download in the 'Zoo Fun with Mandarin' section of the website.

\*Beyond the Panda was created in 2013.

The Science Specialist Confucius Classroom was established in 2018.



# Beyond the Panda website - Zoo Fun with Mandarin Additional Mandarin Resources

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## Zoo Fun with Mandarin

Zoo Fun with Mandarin is a short course available at various times throughout the year. Please contact snobbl@rzs.org.uk to find out the next available dates.

The booklet can be downloaded but please note that it is designed to be used with the interactive activities and games within the course and with the assistance of the course teacher.

 Zoo Fun with Mandarin course notes

 China habitat map

 China habitat map - historic distribution

### Sichuan Tea Ceremony

"When I was in Chengdu, I had a training on how to perform a Sichuan tea ceremony. From time to time we will hold the ceremonies at RZSS Edinburgh Zoo. I have added this resource to our programme with the explanation of how this links to giant pandas - through their pool! It includes Mandarin language links." Sandie Robb



 Beyond the Panda Tea Ceremony

### Chinese Building Blocks & Radicals

Play matching games to join the character building blocks to make other characters and words. The aim of these playing cards is to recognise Chinese radicals as character building blocks.

## Additional Mandarin Resources

 Chinese Wildlife Fact Files

 The Giant Panda Fact File

StampIT

StampIT is the Association of Scottish Philatelic Societies (ASPS) education programme. It has a series entitled 'Language of Stamps' with various games to assist language learning. Stamps are an excellent medium to introduce the language and culture of a country. Please see their website - [scottishphilately.co.uk](http://scottishphilately.co.uk)



The games are also designed and developed by Sandie Robb, RZSS Language Project Coordinator in her voluntary role as the ASPS Development Officer.

 Chinese Stamp game



Through the images on the stamps, this game provides an insight into the etymology of the Chinese characters (the study of their origin and the way in which their meanings have changed throughout history). It provides a deeper understanding behind the characters, the original pictograms, ideograms and phonograms. (Phonograms are where one part of the character links to the sound.)

There are different files to print the cards direct on to A5 paper or to print out the full set at A3.

More resources will continue to be developed within the 'Zoo Fun with Mandarin' and the 'Additional Mandarin Resources' sections of the website.

For information and lesson plans on the wider RZSS giant panda programme, i.e. non-Mandarin related resources, please see the sections 'Project History', 'Planning for Pandas' and 'Meet the Panda Team'.

The resources are in packs aimed at Nursery, P1-P3, P4-P7 and S1-S2 levels but all the games and activities can be used with any age level.

Topic	Resources	Section
Greetings	Panda pass it on game	Panda Pass It On section
	Let's introduce ourselves	Zoo Fun with Mandarin section
Introduction to characters	China stamp game	Additional Mandarin Resources section
	China region map & question activity	China Mobile Library P4-P7 Panda Pack
	Giant panda related characters	P4-P7 Mini Course lesson plans (at the end of the China Mobile Library section)
	Character building blocks	Zoo Fun with Mandarin section
	Giant panda enclosure activity	China Mobile Library S1-S2 Pack
	Ancient character game	Zoo Fun with Mandarin section
Numbers	Number matching cards	China Mobile Library P1-P3 Panda Pack
	Number story	Endangered Species section - Nursery
Numbers & Measure words	Let's count the animals	Zoo Fun with Mandarin section
Colours	Colour matching cards	China Mobile Library P1-P3 Panda Pack
	Colourful pandas	Worksheets at the end of the China Mobile Library P1-P3 Panda Pack
	Colour story	Endangered Species section - Nursery
Days, weeks, months	Days, weeks, months	Zoo Fun with Mandarin section

Topic	Resources	Section
Body Parts	Giant panda senses game	China Mobile Library P1-P3 Panda Pack
Extension words & phrases	Classification	China Mobile Library P1-P3 Panda Pack for simple characters; P4-P7 Panda Pack for more advanced.
	China animal and adaptation game	China Mobile Library S1-S2 Pack
	Giant panda & black bear skull activity	China Mobile Library P4-P7 Panda Pack
	Endangered species glossaries	Endangered Species section
	Secondary endangered species game	China Mobile Library Secondary Endangered Species Pack
Introduction to China	Panda pass it on game	Panda Pass It On section
History of giant pandas	Panda timeline game	China Mobile Library P4-P7 Panda Pack
The Silk Road	Story of silk activity	China Mobile Library S1-S2 Pack
What's China famous for?	Scotland/China game	Zoo Fun with Mandarin section
Maps of China	China habitat map & questions activity	China Mobile Library P4-P7 Panda Pack
	China region map & questions activity	China Mobile Library P4-P7 Panda Pack
	China region map & game cards	China Mobile Library S1-S2 Pack
Chinese Tea	Sichuan tea ceremony	Zoo Fun with Mandarin section

Topic	Resources	Section
Chinese Etiquette	Chinese etiquette game	China Mobile Library S1-S2 Pack
Giant panda habitat	China habitat maps – current & historic	China Mobile Library P4-P7 Panda Pack
	Giant panda habitat game	China Mobile Library P1-P3 Panda Pack
Giant panda lifecycle	Giant panda's lifecycle & measuring game	China Mobile Library P1-P3 Panda Pack (book expert visit to receive giant panda measuring tape)
	Giant panda lifecycle matching activity	China Mobile Library P4-P7 Panda Pack
The bamboo plant	Bamboo game	China Mobile Library P4-P7 Panda Pack
Giant panda biology	Giant panda & black bear skull activity	China Mobile Library P4-P7 Panda Pack
	Giant panda biology challenges	China Mobile Library S1-S2 Pack
Art	Giant panda art activity	China Mobile Library S1-S2 Pack
Mini course	P4-P7 mini course	P4-P7 Mini Course lesson plans (at the end of the China Mobile Library section)

Beyond the Panda is always evolving and new resources will continue to be developed and added to the website.

# Booking

The China Mobile Library and outreach is available **FREE** throughout Scotland and the north of England.

## China Mobile Library

Panda Expert Visits are one hour sessions with a maximum of 30 pupils. These sessions are linked to the panda packs.

## Endangered Species Outreach

The Endangered Species outreach are one hour sessions with a maximum of 30 pupils.

Contact:

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@Sandie\_Robb

#BeyondthePanda

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## Sponsored by



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The Confucius Institute for Scotland in the University of Edinburgh is a national centre to promote educational, economic and cultural ties between Scotland and China.

[confuciusinstitute.ac.uk](http://confuciusinstitute.ac.uk)



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[strath.ac.uk/ciss](http://strath.ac.uk/ciss)



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## Partnered with



西南交通大学  
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Southwest Jiaotong University, Chengdu is our RZSS Confucius Classroom partner.

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The Scotland China Education Network exists to promote the learning of Chinese in Scottish schools.

[scen.info](http://scen.info)

## Thanks to

**Arnold Clark**

Arnold Clark has kindly donated the Beyond the Panda vehicle.