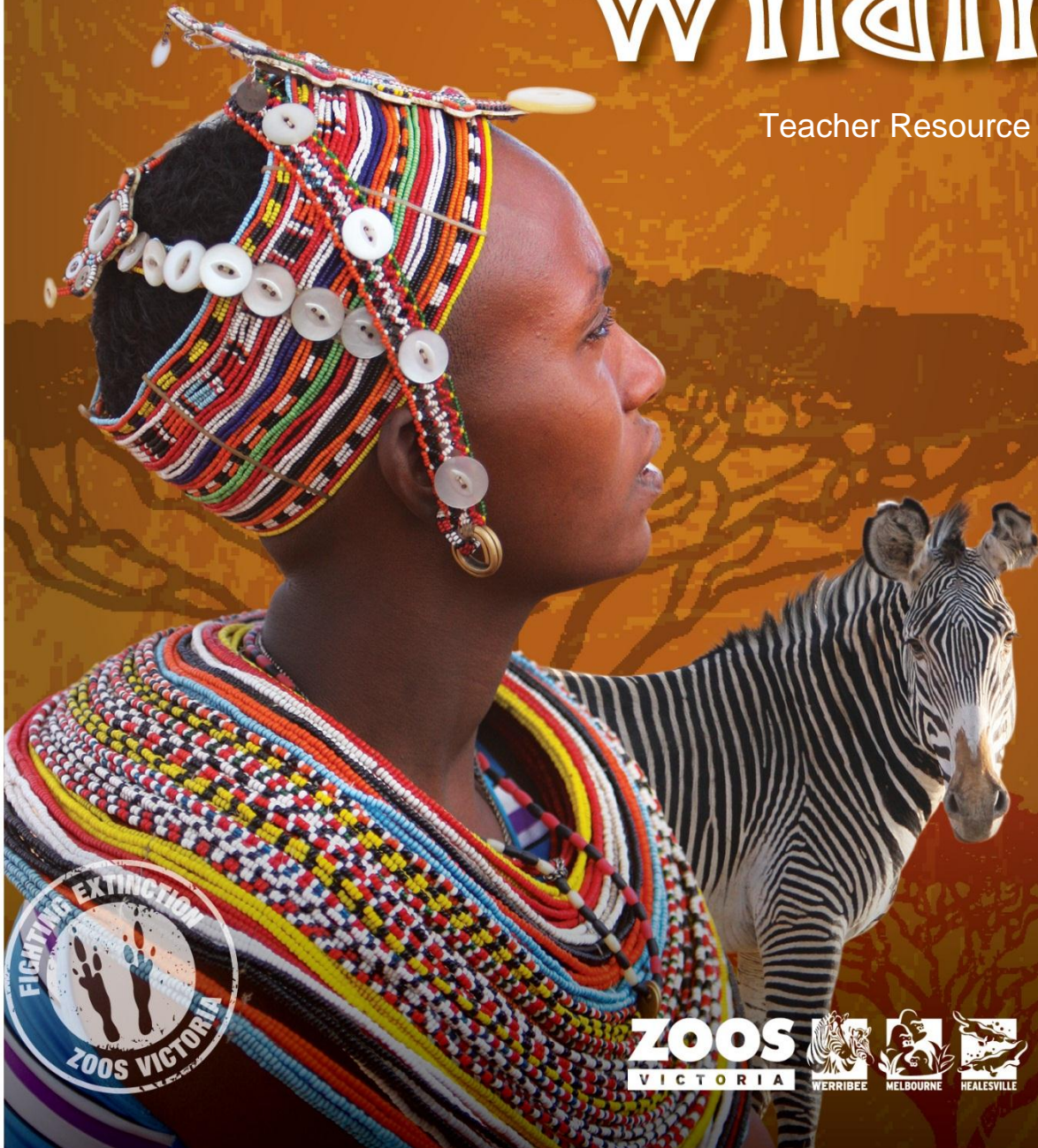


Beads for Wildlife

Teacher Resource



ZOOS
VICTORIA



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Zoos Victoria: Education for Conservation

Zoos Victoria recognises that education is a vital step in helping save the world's most endangered wildlife. Our education programs reflect best practice by connecting future generations to the world's unique wildlife and shaping personal values to include positive conservation principles. In addition, programs provide clear conservation actions that contribute directly to saving species across the globe now and into the future. We call this practice Education for Conservation.

From an education perspective, Zoos Victoria aims to also reflect the leading pedagogy used in Victorian schools. As such, this teacher pack is designed to complement integrated curriculum units, inquiry-based learning and address AusVELS outcomes.

Want to know about Education for Conservation?

Feel free to [contact us](#), or better yet, visit one of our properties with your students and experience Education for Conservation in action.

Introduction to the Resource Pack

Get involved in Zoos Victoria's [Beads for Wildlife](#) campaign with this specially designed Teacher Resource. With access to a range of unique resources and classroom ideas, this resource will help you guide students through an integrated curriculum experience exploring inquiry questions that promote investigation of wildlife conservation, world cultures and community development.

Schools can also support African wildlife and communities by getting involved through the [action checklist](#) which includes ideas to help endangered wildlife including an option to purchase a *Beads for Wildlife* fundraising pack which has been designed to also raise funds for your school!

Beads for Wildlife conservation actions support the protection of critically endangered species, such as the Grevy's Zebra, as well as Melako families by:

- reducing community dependence on livestock which compete with wildlife
- increasing school student attendance
- reducing conflict with neighbouring communities
- increasing access to health services
- increasing food security

With your school's involvement, Zoos Victoria will be able to continue and increase this invaluable support to unique Melako wildlife and the community.

Thank you for your support.



Got a question?

We're here to help! Get in contact with us at any stage of your *Beads for Wildlife* journey using the details below.

Teachers

Email our Community Conservation Team at takeaction@zoo.org.au

Book a visit by calling 1300 966 784.

Students

Enquiries or questions can be directed to actwild@zoo.org.au



Beads for Wildlife: Get involved

Key Action: Raise funds for your school by purchasing a *Beads for Wildlife* fundraising kit.

There are many different ways that you and your students can become involved with the *Beads for Wildlife* campaign. Check out the action list below for ideas and suggestions.

Things you can do

- ✓ Download and read through the Teacher Resource
- ✓ Introduce students to *Beads for Wildlife* through your own, or the suggested, inquiry questions.
- ✓ Register for an upcoming student and/or teacher *Beads for Wildlife* [web conference](#)
- ✓ Order a *Beads for Wildlife* fundraising pack through the Zoos Victoria [online store](#)
- ✓ Sell *Beads for Wildlife* to support your school as well as African wildlife and communities
- ✓ Become a *Fighting Extinction School* by sharing your *Beads for Wildlife* journey either on our [Share your Story](#), with one of our Zoos Victoria [Education Officers](#) or via an upcoming [web conference](#).
- ✓ Investigate Zoos Victoria's new [Kicking Goals for Wildlife](#) campaign in Melako

Want to do more?

- ✓ [Adopt](#) an animal with Zoos Victoria



Beads for Wildlife and AusVELS

Zoos Victoria's unique conservation programs, such as *Beads for Wildlife*, offer genuine case studies for student inquiry learning with strong links to AusVELS discipline-based learning domains and numerous other links to Physical, Personal and Social Learning as well as Interdisciplinary Learning domains. The strongest curriculum links associated with the *Beads for Wildlife* campaign are highlighted below.

Best suited for students completing:

Year 5 to Year 10

Main Discipline-Based Learning Domains:

Geography, Science, Economics (with opportunities to link to other curriculum domains)

Strongest Curriculum Links

		Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Economics	Economic knowledge and understanding						
	Economic reasoning and interpretation						
Geography	Geographical knowledge and understanding						
	Geospatial skills						
Science ^{AC}	Science Understanding						
	Science Inquiry Skills						
	Science as a Human Endeavour						

 Linked curriculum standards



Inquiry Questions

The *Beads for Wildlife* campaign is a rich action case study that provides real world learning opportunities for students to explore the issues associated with this campaign.

Ideally, students can engage with *Beads for Wildlife* through [inquiry learning](#) opportunities that allow investigation of the following overarching and inquiry questions using the suggested resources further below. These suggested inquiry questions are connected to content descriptors and achievement standards in AusVELS.

Years 5-6

Overarching Question:

How can buying beads help to save wildlife?

Introduce Beads for Wildlife

- Where is Melako in relation to Australia?
- How is your local environment different to that of the Melako environment?
- What do you think are the most important resources for survival in arid environments?
- How do you think your childhood would be different if you had grown up in Melako?
- Do colours represent the same to you as members of the Melako community?
- What is the most threatened animal in Melako?
- Which animal do you think is best adapted to living in the Melako environment?
- How do you believe living things in the Melako Conservancy are connected in a food web?
- What Melako animal species do you believe can be related to the terms; tertiary consumers, secondary consumers, primary consumers, producers?

Understand the Issues

- By using examples, compare how farming may affect wildlife in Australia and how farming may affect wildlife in Melako.
- What do you think are the effects of drought on Australian and African communities?
- What do you believe is the link between farming in Melako and endangered wildlife?
- What do you believe is causing human-wildlife conflict?
- How many different stakeholders can you find that are involved in the *Beads for Wildlife* campaign?
- How do you think human activity has impacted on food webs within Melako?
- What advantages and disadvantages of selling Beads to help protect wildlife in Melako can you find?

Act to save wildlife

- What do you think it means to be an “informed consumer”?
- Could buying *Beads for Wildlife* make you an “informed consumer”?
- In one sentence how would you explain that by buying beads made in Melako could help to save wildlife



Years 7-8

Overarching Question:

Is human impact on the environment a good or bad thing?

Introduce Beads for Wildlife

- How could you travel to Melako?
- How would you describe the human and natural environment of Melako?
- How do you think your childhood would have been different if you had grown up in Melako?
- What are the 3 best adaptations for survival in arid environments that you can find?
- What is the most endangered animal in Melako?
- How could people tell the difference between Plains Zebra and Grevy's Zebra?
- How do you think people calculate the number of remaining Grevy's Zebra in the wild?
- Using examples from Melako which of the following do you believe is the most important element of a food web; tertiary consumer, secondary consumer, primary consumer, producer or detritivores?

Understand the Issues

- What is the significance of livestock to the people of Melako?
- How do you see farming in Australia differing to farming in Melako?
- Can you demonstrate drought through an illustration?
- Why do you think drought effects communities differently around the world?
- How do you believe drought and livestock have disrupted the natural food chain of the Melako region?
- What is your understanding of human-wildlife conflict?
- How do you think extinction of a species, such as the Grevy's Zebra, would impact food web relationships and populations in Melako?
- How do you think human activity has impacted on food webs within Melako?
- How would you describe the living condition of people living in Northern Kenya?

Act to save wildlife

- How can you link beads to wildlife conservation?
- Beads signify the lives and culture of people in Melako, what items represent your life and culture?
- What do you think it means to be an "informed consumer"?
- What do you believe could be the impacts (long/short term, good/bad) of families changing from farming livestock to creating beads?
- How easy would it be for farmers in Melako to find alternative sources of income?



Years 9-10

Overarching Question:

Which is the most important element in saving species from extinction; the science, the economics or the people?

Introducing Beads for Wildlife

- How could you travel to the Melako Conservancy?
- What is a good example of an environmentally sustainable relationship?
- How could you accurately calculate the remaining number of wild Grevy Zebra?
- Are humans a part of or apart from the environment/ecosystem?
- What differences can you identify between Australia's relationship with the natural environment and the Melako community relationship with the natural environment?
- Do you think your connection to Australian wildlife is different to the Melako community's connection to wildlife?
- Do you think you would have different values if you had grown up in Melako?

Understanding the Issues

- What do you think is the greatest environmental issue in Melako?
- Do you think that humans and animals can ever live side by side sustainably?
- What could be the advantages and disadvantages of the Melako Community income increasing?
- Do you think it is ever too late to save an animal species? Should some species be given up on?
- Do you believe there would be any significant environmental impact if Grevy's Zebras were to become extinct?
- What development issues is Kenya facing in comparison to Australia?

Act for Wildlife

- How are Beads linked to wildlife conservation?
- Do you think that conserving wildlife in Kenya could help to address some of the human development issues?
- How easy would it be for farmers in Melako to find alternative sources of income?
- Who in the local Melako community do you believe would benefit most from an increased income?
- Who in your local community would be interested in buying Beads for Wildlife?
- How many Beads for Wildlife could you sell to support your school, African wildlife and communities?



Resources

Put simply the *Beads for Wildlife* campaign is about *More Beads = More Wildlife*. However, as with most wildlife conservation problems the issues are more complex.

Below are a range of resources which will give you a greater understanding of the campaign. Share these resources with your students to investigate the *Beads for Wildlife* inquiry questions

About Beads for Wildlife

Beads for Wildlife

<http://vimeo.com/7805960>

Zoos Victoria staff introduce Beads for Wildlife

<https://www.youtube.com/watch?v=UUIdUtnOHQ>

Beads for Wildlife Information Sheet

<http://www.zoo.org.au/sites/default/files/beads-for-wildlife-zoos-victoria.pdf>

Zoos Victoria Beads for Wildlife Page

<http://www.zoo.org.au/beads>



Vital to the *Beads for Wildlife* campaign is our partner organisation in Kenya the Northern Rangelands Trust (NRT). NRT works directly with 26 communities in Northern Kenya of which Melako, Zoos Victoria's target community, is one.

You can find out more of the work of NRT through their website:

<http://www.nrt-kenya.org/>

<http://www.beadworkskkenya.com/>

The Beads for Wildlife Animals

Whilst the Grevy's Zebra is the ambassador animal for Beads for Wildlife, there are numerous species which are effected by competition with livestock for resources including food and water. Listed below are some of these species and information about each of them.

Zebra

<http://www.zoo.org.au/werribee/animals/zebra>

<http://www.actwild.org.au/animals/zebra/>

Baboon

<http://www.zoo.org.au/melbourne/animals/hamadryas-baboon>

Giraffe

<http://www.zoo.org.au/werribee/animals/giraffe>

Grevy's Zebra

<http://www.grevyszebratrust.org/>

Lion

<http://www.zoo.org.au/werribee/animals/lion>

Zoos Victoria is a not-for-profit zoo-based conservation organisation committed to fighting wildlife extinction.



Melako Introduction

About Melako and our work with the community

<http://www.zoo.org.au/fighting-extinction/international-programs-and-grants/melako-community-conservancy>

Bondi Vet visits Melako

<http://tenplay.com.au/channel-ten/bondi-vet/articles/melako-conservancy-in-kenya>

Rendille/Maasai/Samburu Culture

Camel Farming

https://www.youtube.com/watch?v=iAmXm0VVR_I

Traditional Dancing

<https://www.youtube.com/watch?v=SCb2LnP8Mnw>

<https://www.youtube.com/watch?v=-SySI9Vq40A>

Rendille (graphic scenes)

<https://www.youtube.com/watch?v=8N9MaxyYTI4>

Digital Learning Tools

Register for an upcoming web-conference

<http://www.zoo.org.au/education/web-conferences>

Create a Beads for Wildlife mash-up video

<http://wild.zoo.org.au/mashups/#/beadsforwildlife>

Beads for Wildlife Fundraising Pack

Order a schools Beads for Wildlife Fundraising pack

<http://shop.zoo.org.au/shop/beads-for-wildlife.html>

Pledge to buy Beads for Wildlife

<http://www.actwild.org.au/animals/zebra/>

Promote Beads for Wildlife

<http://www.zoo.org.au/news/a-window-into-the-world-of-melako-kenya>



Human-Wildlife Competition Information

http://wwf.panda.org/about_our_earth/species/problems/human_animal_conflict/

http://wwf.panda.org/what_we_do/how_we_work/conservation/species_programme/species_news/species_pub_archive.cfm?133121/Common-Ground-Reducing-human-wildlife-conflict

Kicking Goals for Wildlife



Wildlife in Melako has come under increasing threat from hunting and habitat loss. Kicking Goals for Wildlife aims to improve community attitudes towards wildlife conservation by introducing a conservation-based soccer league. Learn more below.

<http://www.zoo.org.au/kicking-goals>

Introduction video

<https://www.youtube.com/watch?v=LAU-fyDmQvQ>

Kicking Goals and the alternate world cup

<http://www.zoo.org.au/news/zoos-victoria-launch-kicking-goals-for-wildlife>

News articles

<http://www.fauna-flora.org/kicking-goals-for-wildlife-securing-the-future-of-northern-kenya%E2%80%99s-wildlife-through-sport/>

