

Sustainability in Action

Tip Sheet

Together, We Protect Wildlife!



Pre-visit



Discover sustainability in action in Singapore Zoo. Watch this video to plan your learning journey.

Introduce the concept of sustainability to your students before your visit:

- [So Sus: Ugly Vegetables](#)
- [So Sus: RSPO-certified Palm Oil](#)

Getting Around



1. Orangutan Island

To get to Orangutan Island from the entrance, follow the covered walkway past Ah Meng restaurant until you see Tram Station 1 on the left. Orangutan Island is on your right. The walk takes about 15 minutes.

2. Fragile Forest

To get to Fragile Forest from Orangutan Island, take a 3-minute stroll to Tram Station 3. Board the tram & alight at Tram Station 4, Fragile Forest.

3. Fossa Exhibit

To get to Fossa Exhibit from Tram Station 4, Fragile Forest, face KidzWorld and turn right. Walk along the road for 1 minute until you see the Fossa Exhibit on your right.



Download the Mandai App to view the map on mobile

During Visit

Reuse, reuse, reuse



1

Use the See-Think-Wonder Thinking Routine to spot reused items such as the hammock.

Additional prompting questions:

1. Other than fire hoses, what other materials do you see that might have been reused?
2. Where do you think they came from?
3. I wonder how the orangutans will use it.

Who is eating our food waste?



2

Watch the video and observe how hissing cockroaches help to reduce pre-consumer food waste in the Zoo.

Additional tips:

- Hissing cockroaches are named for their distinctive hissing sound, which is produced by forcing air through small openings in the abdomen.
- Keep a neutral attitude about the hissing or other forest cockroaches when you see and share about them.

Nature's loose parts



3

Use nature's loose parts to create a fossa exhibit.

Additional activity:

- Invite the children to play pretend to gather loose parts from nature.
- Encourage bending, reaching out, and picking up imaginary leaves, sticks, rocks, feathers, and more.
- Make up a song as you move along or carry out the activity.

Word Bank

Here are some words that might be new to your class.

Essential Agreements

Simple guidelines to regulate your children's behaviour that you get your class to agree to.

Sustainability

Sustainability is taking care of Earth and making sure we have enough of everything for a long time. It's about using resources such as water, trees, and energy in a way that doesn't run out or harm the Earth.

Reuse

Reuse means giving something another chance to be useful and not throwing it away just yet.



Nature's Loose Parts

Nature's loose parts are items you find outdoors, like sticks, leaves, and rocks. Imagine them as special toys that nature gives us to play with and explore!



Animal Enrichment

Enrichment in zoos is giving activities to animals that encourage them to showcase their natural behaviours. Enrichment helps zoo animals stay active and healthy.

Food Waste

Food waste is when food is thrown away because it's not eaten. It can be because it's left over, spoiled, not needed, or prepared in excess. We can reduce food waste by planning meals, saving leftovers, or composting food scraps.

Post-visit

Extend learning in your classroom

Invite your students to find out more about sustainability, and especially reusing, through a home-school project and do a show-and-tell for their peers.

Some Ideas:

Find out how each family reuses things in their households, such as

- Clothes and bags
- Plastic bottles
- Other items at home

You may wish to create a list that the children can take home to inspire their families to start or increase reusing.

Additional resources

Find out more about sustainability at Mandai Wildlife Reserve:

- [🔗 So Sus: Fighting Food Waste with Hissing Cockroaches](#)
- [🔗 Examples of sustainable operations](#)

Watch our animals interacting with upcycled items:

- [🔗 Repurposed donated firehose](#)
- [🔗 Reused gunny sacks](#)

Find out more about how sustainable efforts protect local wildlife through the e-book "Little Otter, Litter Trouble":

- [🔗 Read the audio book version here.](#)
- [🔗 Head to page 25 of the wordless book version here and have your children try out the activities.](#)