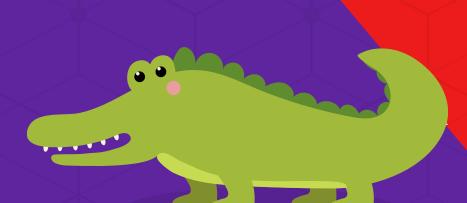


PARK LIFE

Primary Smart Conservation Lessons 1 & 2

an RS Components **ImagineX** resource





What are their needs?

What is your favourite animal?



Wild or 'captive'?

- Usually born in the wild
- Are free to roam in their environment/habitat
- Control how they socialise and breed
- Hunt/forage for their food
- Have little/no contact with people

- Often born in captivity usually in zoos
- Are kept in controlled environments
- Have their socialising and breeding controlled
- Are provided food by humans
- Have a lot of contact with humans and are often trained



'Domestic' animals

- Are bred in captivity –but not in zoos
- Are tame and usually trained
- Depend on humans completely for survival

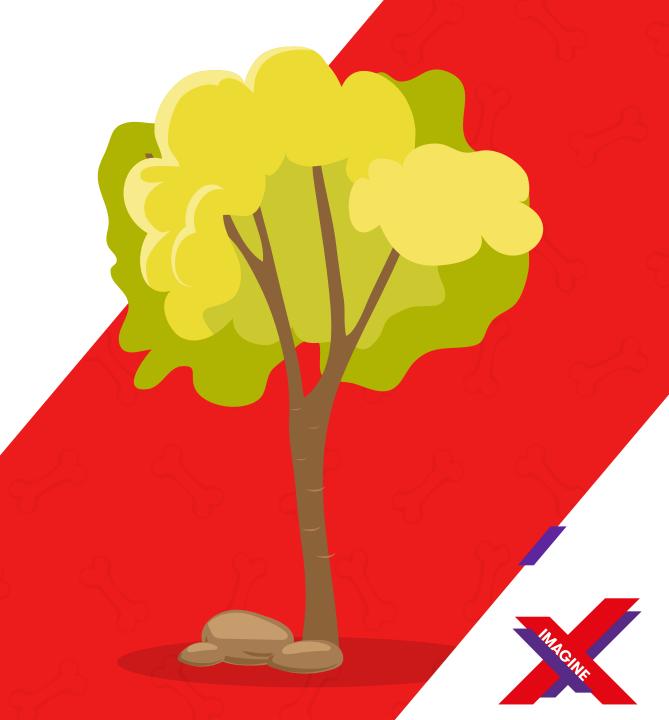
Are kept:

- As pets (cats, dogs, hamsters, birds)
- For work (guide dogs, police horses etc.)
- For food and products(sheep, cows, chicken etc.)





- A suitable habitat (a place to live)
- A suitable diet
- Ability to socialise



Do different animals have different needs?

CLASS

- Mammal
- Reptile
- Amphibian, fish, bird

THEIR 'WILD' ENVIRONMENT

(where in the world that species is from)

WHAT THEY EAT

- Herbivore
- Carnivore
- Omnivore

HOW THEY LIKE TO INTERACT WITH OTHER ANIMALS

- Social
- Solitary





Why shouldn't some animals be pets?

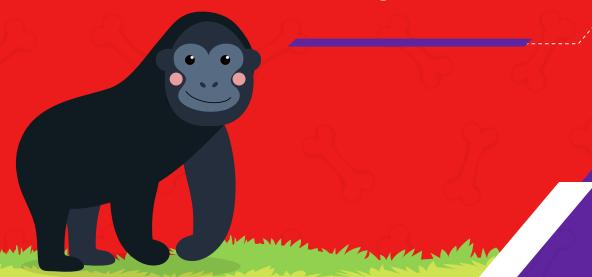
- Hard to recreate their natural habitat
- Need to be kept with their own species
- Are dangerous to humans
- Are hard to train correctly



Animals in zoos are often not suitable as pets. But they can be safely kept in zoos

British Animals Laws ensure they are kept healthy and happy.

- The Animal Welfare Act
- The Dangerous Wild Animals Act
- The Zoo Licensing Act





Drusillas Park, a special UK zoo, has 15 inspections a year to make sure it is obeying UK animal laws.



HABITATS

Today we're going to focus on...

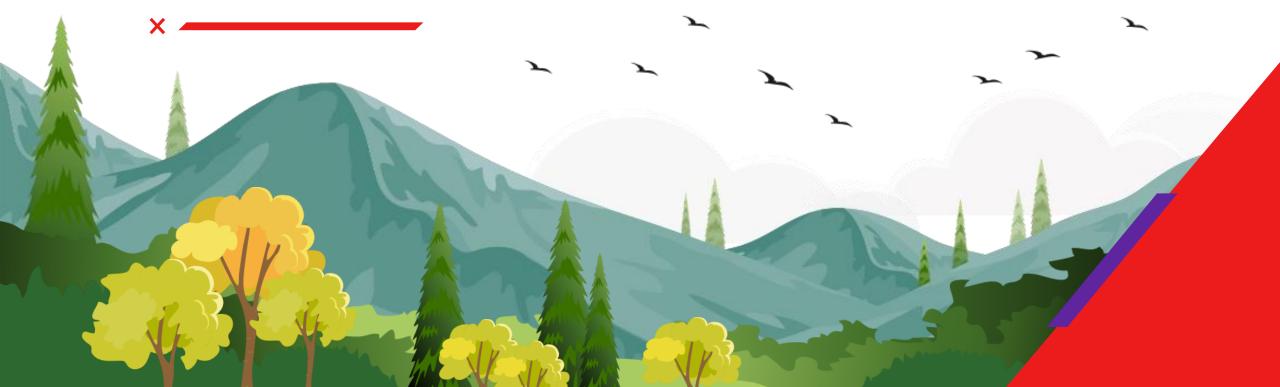




LET'S MEET SOME OF THE DRUSILLAS PARK RESIDENTS...







Being a... Ring-tailed Lemur!



Location: South Madagascar

Habitat: Hot, scrubby, tropical forests (18 to 29°C)

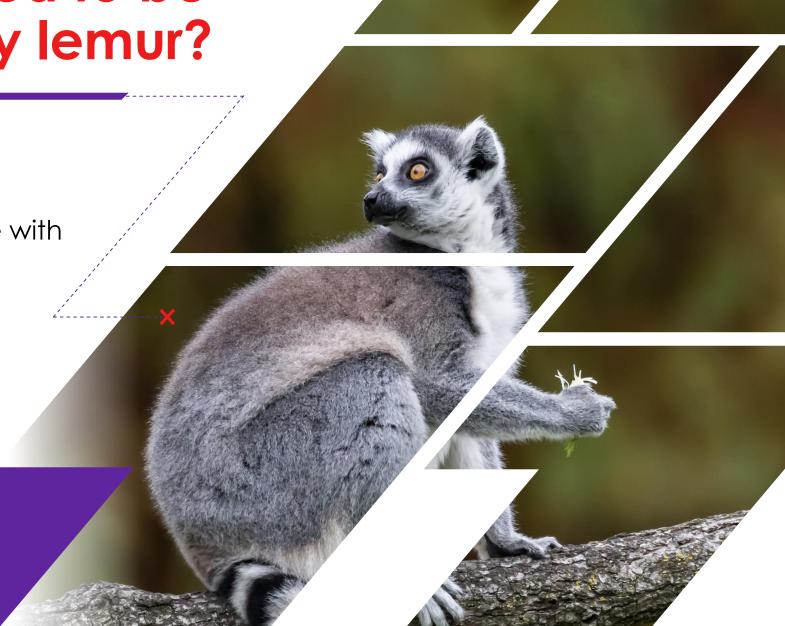
Diet: Flowers, leaves, insects (omnivorous)

FACT: Lemurs have become endangered due to habitat destruction. Thankfully, they breed well and live happily in captivity, as long as their enclosure is just right.



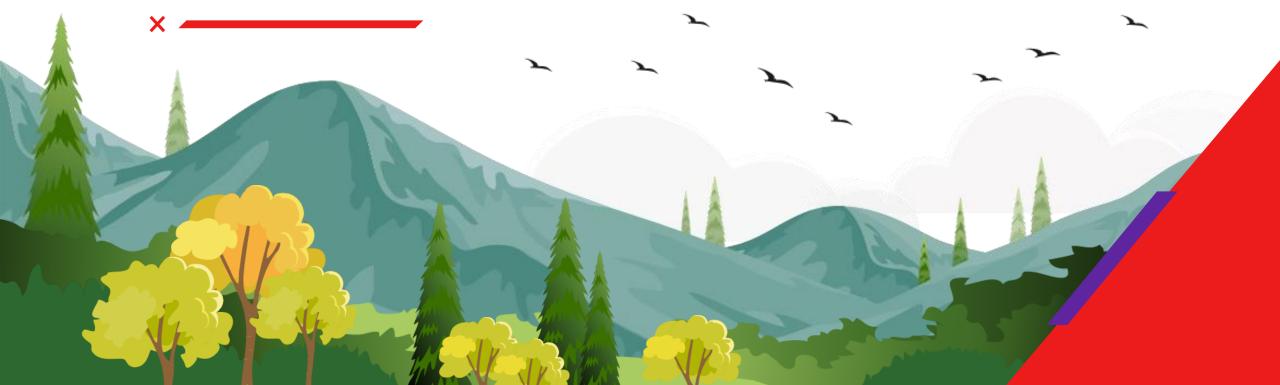
What do you need to be a healthy, happy lemur?

- Lots of sunlight
- Lots of exercise outdoors
- Lots of other lemurs to socialise with
- Warm indoor enclosures
- Forest-like settings

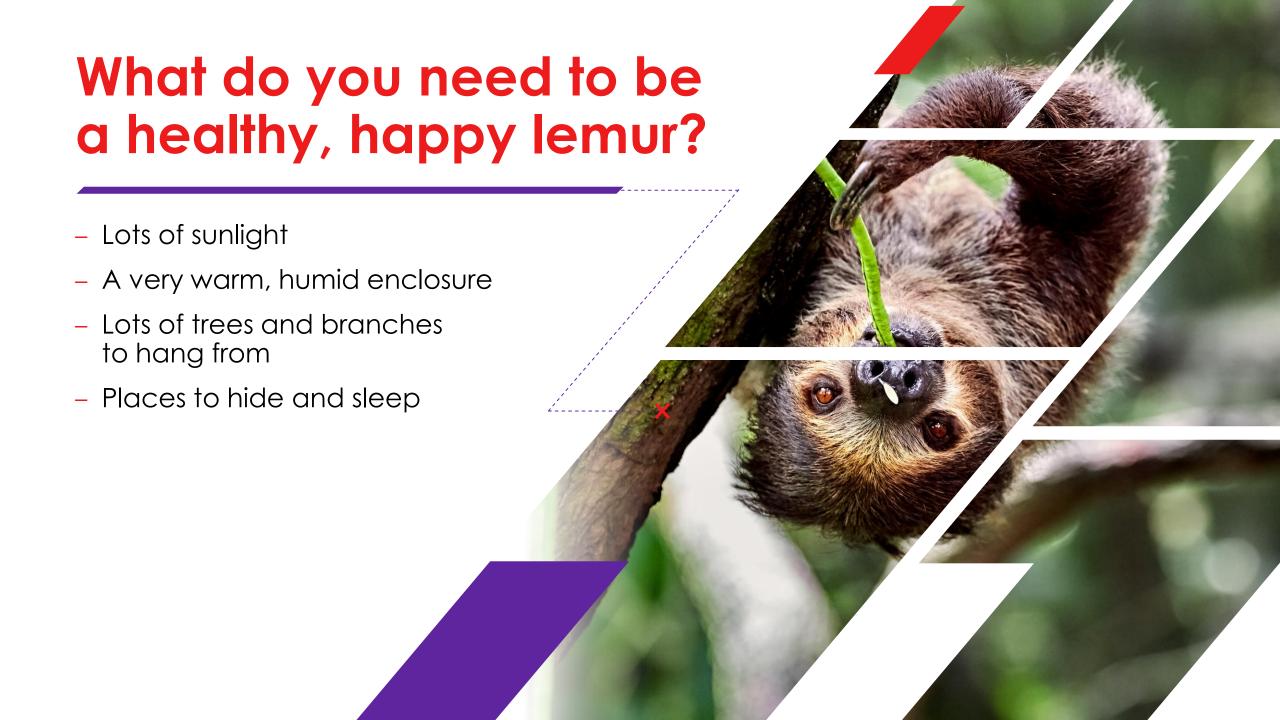






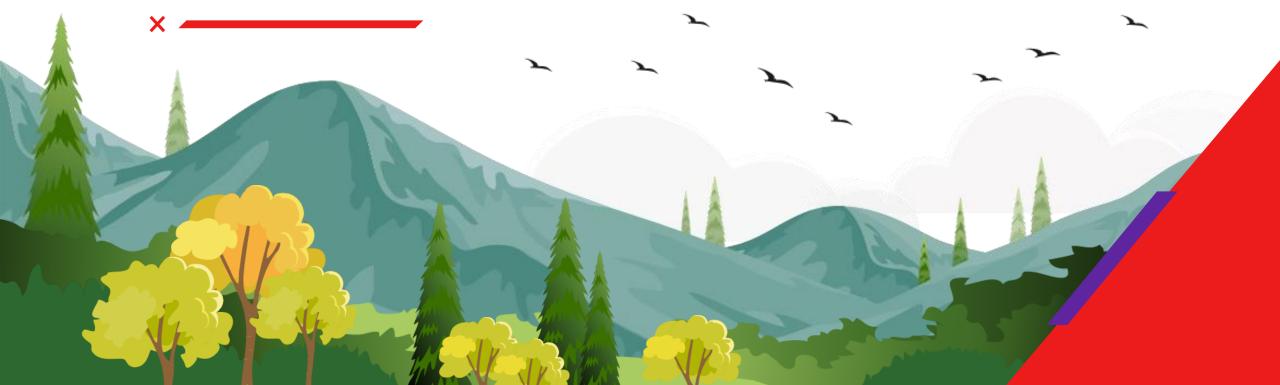














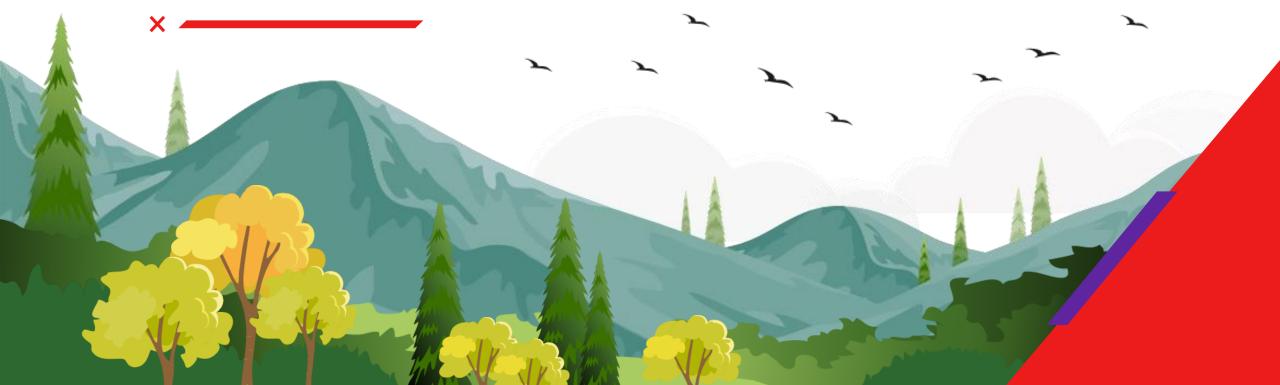
What do you need to be a healthy, happy penguin?

- Cold, deep water to swim in
- Hot rocky ground to nest in
- Tunnels to hide in
- Lots of other penguins to socialise with











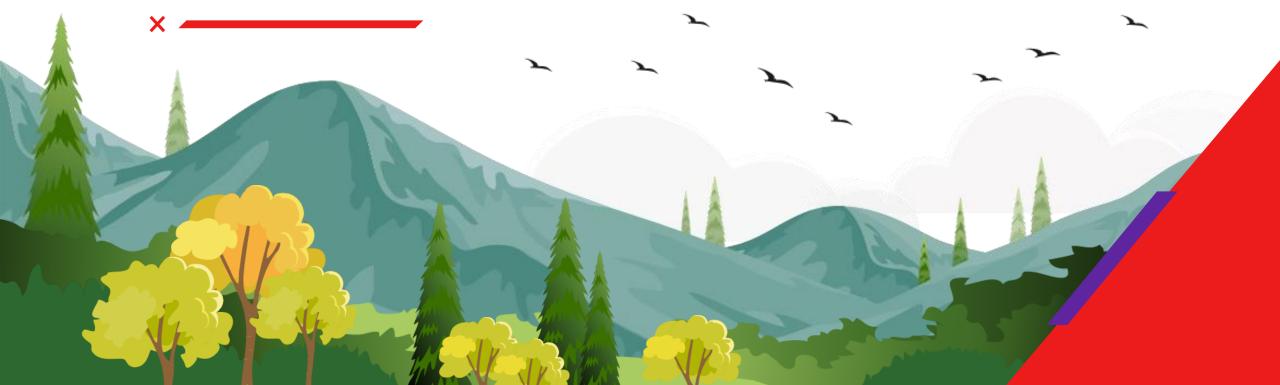
What do you need to be a healthy, happy iguana?

- Lots of branches for climbing and shedding
- A hot, humid environment
- Hot rocks to warm up on
- Cool spots to cool down on
- Damp places to hide











Habitat: Dark, damp caves (21 to 32°C)

Diet: Flowers and fruit (herbivorous)

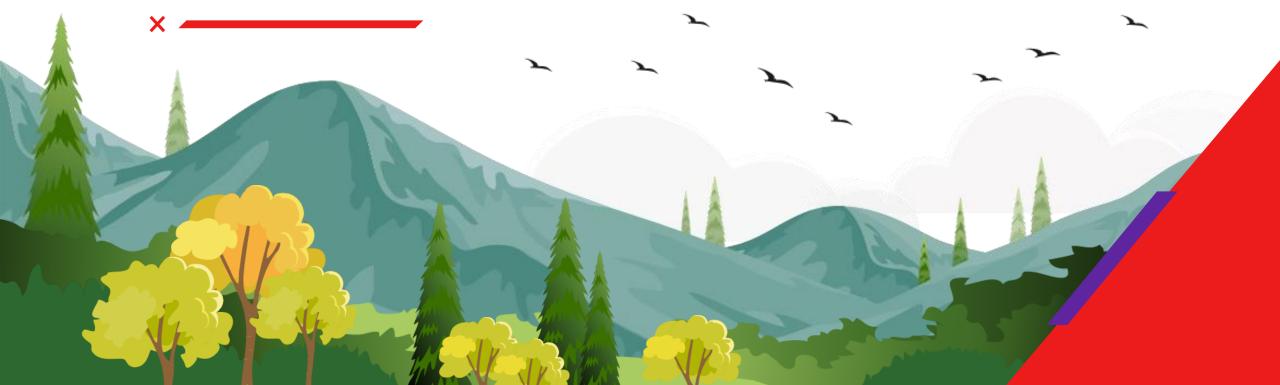
FACT: Also known as 'flying foxes', these sociable nocturnal fruit bats are a big conservation success story. They were saved from extinction, going from just 100 in the wild to 4,000 thanks to a captive breeding and release programme.



What do you need to be a healthy, fruit bat? A dark enclosure (even during the day) A damp and warm place to sleep Places to hang upside down Space to fly around Lots of other fruit bats to socialise with









What could you do to look after these animals?

Feed them the correct diet (in the correct amounts)

Monitor their behaviours

Clean their enclosures

Monitor their enclosures

- Maintain their enclosures-

These tasks require:

- Special technology
- Special training



[PLAY INTRO VIDEO FOR DRUSILLAS PARK – COLIN - RS HEROES]

What is Colin's role?

Why is he qualified to do it?

Why is his job so important for the animals?







Think about:

What kind of tools/technology you would need to:

- Monitor enclosures
- Maintain enclosures

Homework





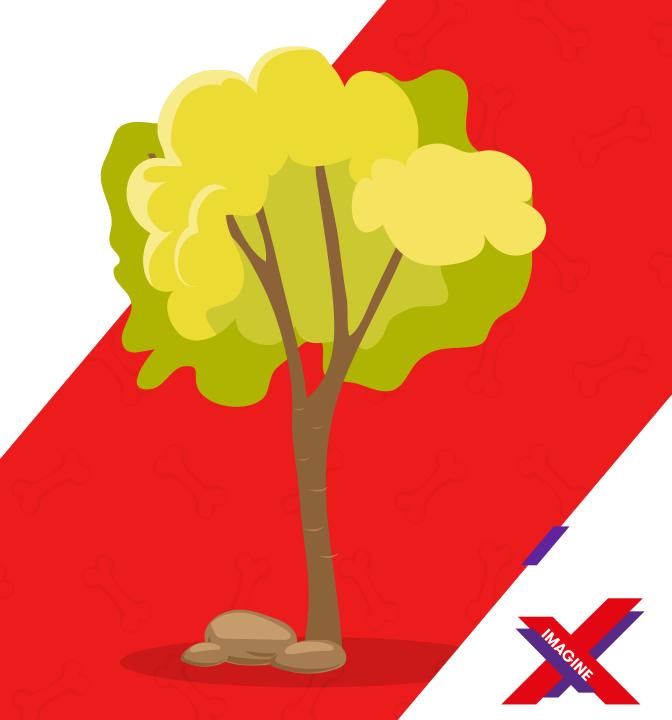








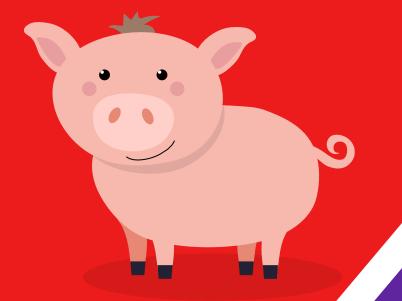
- A suitable habitat (a place to live)
- A suitable diet
- Ability to socialise



Think about &



How do these different animals have different needs?



- Ring-tailed Lemurs
- Two-toed Sloths
- Green Iguanas
- Humboldt Penguins
- Rodrigues Fruit Bat



What do zookeepers do for their animals?

Feed them the correct diet (in the correct amounts)

Monitor their behaviours

Clean their enclosures

Monitor their enclosures

- Maintain their enclosures

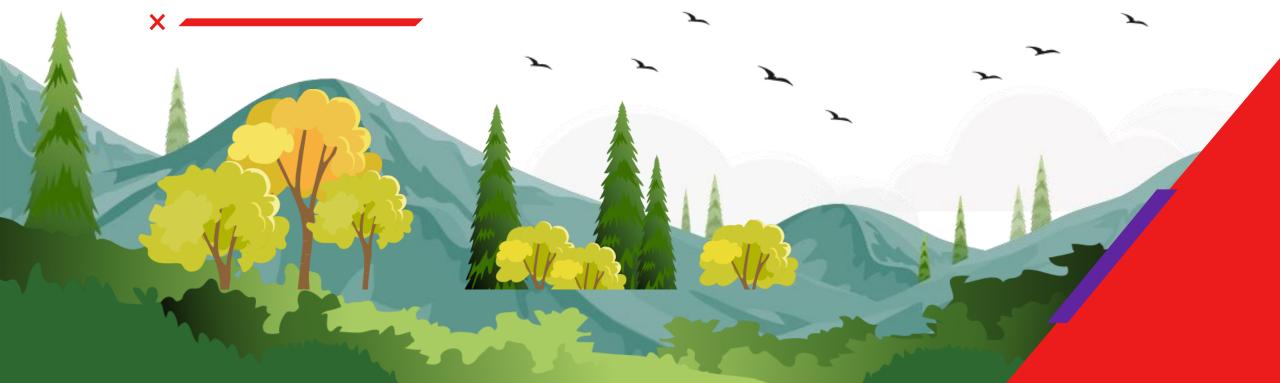
These tasks require:

- Special technology
- Special training









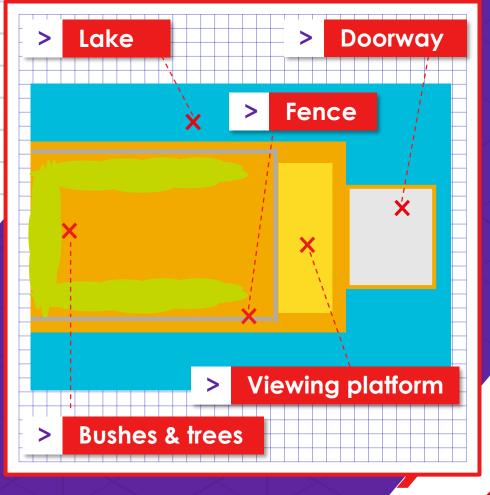


Design your own smart enclosure

THINK ABOUT

- Outdoors or indoors?
- Light or dark?
- Dry or wet?
- Humid or fresh?
- Hot or cold?
- Big or small?
- Enclosure features (trees, rocks, pools etc.)

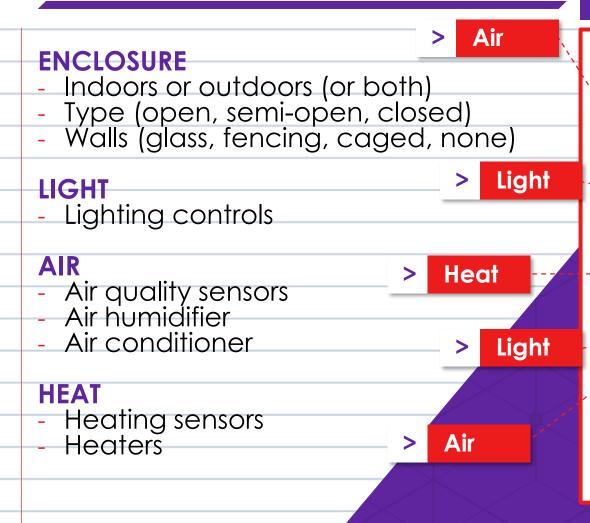
Sample zoo enclosure

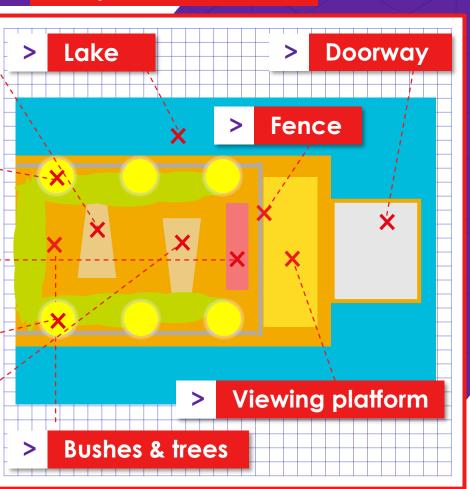




TIME TO DESIGN!

Think about... technology





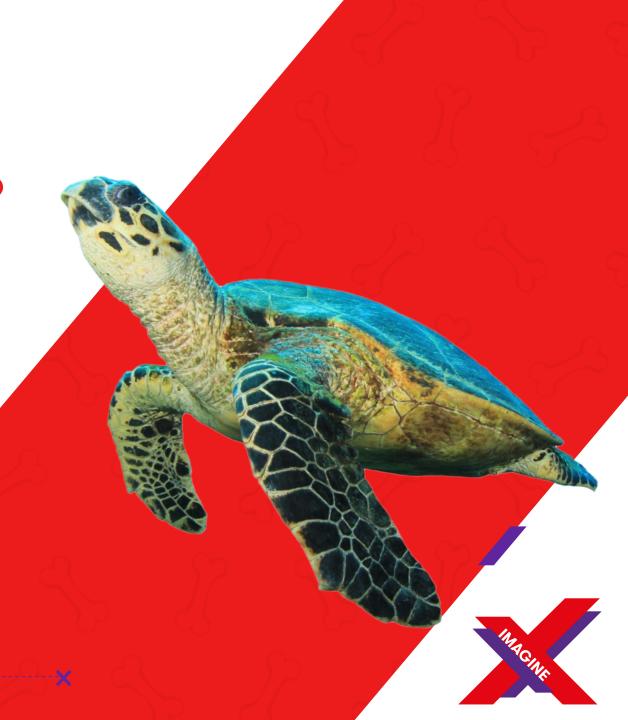
Sample zoo enclosure





Why do animals become endangered?

- Habitats are being destroyed (e.g. deforestation)
- Hunting and poaching
- Over-harvesting
- Illegal pet trade
- Animals being forced to live in the wrong places for them
- Pollution
- Climate change



Why do some people not like zoos?

- Animals are kept in cages
- Animals are not in their natural environment
- Animals are being used for entertainment
- Not all animals breed well in zoos
- They believe it's better to help animals in the wild
- Animals rarely get released into the wild





Why do we need zoos?

Conservation

Education

Research





Conservation

- Preservation through captive breeding programmes (such as the lemurs and the bats)
- Animals are donated to other zoos so they can start their own breeding programmes
- If their natural habitats are suitable,
 release back into the wild

Zoos are the main reason many animals have been saved from extinction.



Research

Zoos are the main reason many animals have been saved from extinction.

- Studying breeding patterns and behavioursDeveloping:
 - Better methods of conservation
 - Better methods of care
 - Better medicines
 - Better ways of helping animals in the wild





Education

- Animal appreciation and respect
- Spreading awareness of how and why animals become endangered
- Encourage the preservation of habitats
- Change individuals' behaviour (encourage recycling, reduction of waste, animal care)

Most zoos put the money they make from selling tickets back into research and conservation.



Think about &

How **you** could help preserve the natural environment of... *

- Ring-tailed Lemurs
- Two-toed Sloths
- Green Iguanas
- Humboldt Penguins
- Rodrigues Fruit Bat
- Rodrigues Fruit Bat
- Other endangered animals?



