ANIMAL INSIDE OUT

A BODY WORLDS Production

DRAWING & ACTIVITY TRAIL

SKELETAL MUSCULAR RESPIRATORY CARDIOVASCULAR DIGESTIVE REPRODUCTIVE NERVOUS

We all know what animals look like on the outside. But what do they look like on the inside? What's happening under their skin?

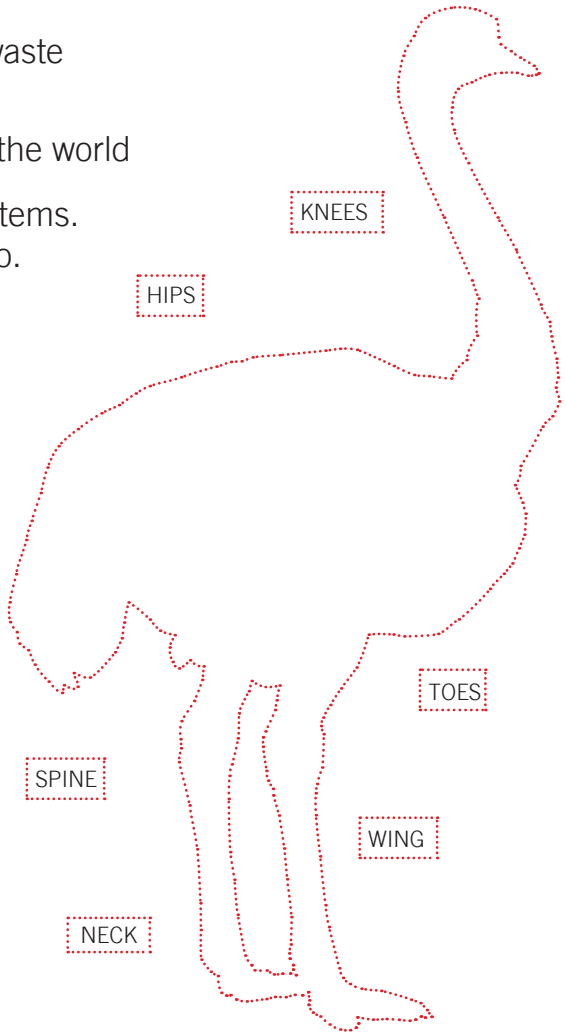
Animals, including humans, have a number of important systems:

- the skeletal system to give support to the body
- the muscular system to help them move
- the respiratory system to provide the body with oxygen
- the cardiovascular system to deliver nutrients
- the digestive system to absorb food and expel waste
- the reproductive system to make babies
- the nervous system and sense organs to sense the world

Use this trail to explore three of these amazing systems.
Look out for the other systems during your visit, too.

The skeletal system

Find the ostrich skeleton.
Draw the skeleton into the outline here.
Draw a line between the words and the parts of the ostrich skeleton they refer to.



What are the similarities and differences between the ostrich's skeleton and your own?

The nervous system and sense organs

The brain is the centre of the nervous system, sending out commands and receiving information from the sense organs.

Find the horse's head that is in three parts.

Mark the sensory organs you can see on to the diagram here.

Which do you think are the most important sense organs for the horse?

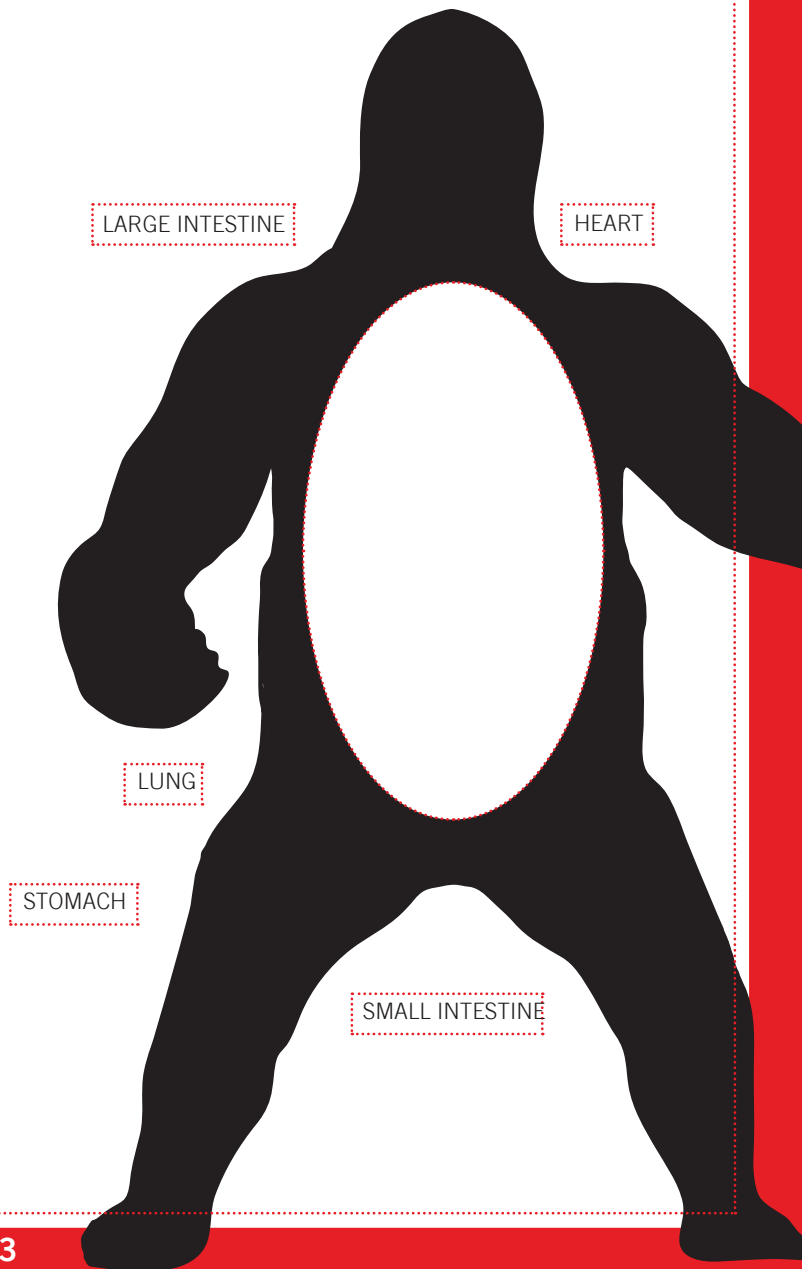
The digestive system

Find the gorilla specimen and look for its internal organs hanging next to it.

Draw the internal organs into this gorilla's empty abdominal cavity here.

Use the specimens nearby to help you label the organs correctly.

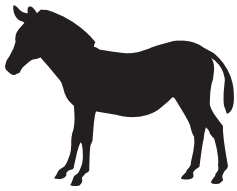
What do you think these organs do?

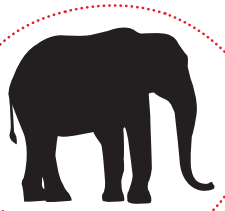


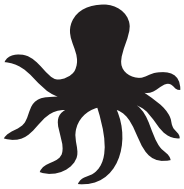
You're almost done.

When you have looked round the exhibition, choose two of your favourite animals to compare. Discuss what makes these animals similar. In what ways are they like you?

Draw lines between each animal and the skills or abilities it has.







DEXTERITY

STAMINA

SPEED

GOOD HEARING

STRENGTH

Now imagine an animal with all of these features.

How would it move? How would it sense the world? What could it look like?

Draw your idea here…