



Colchester Zoo

Learning at the Zoo

Activity Pack 3



This pack is designed to provide parents, families and groups with information and activities to help you learn at Colchester Zoo. Complete the activities to earn Children's University passport stamps! There are four different packs, you can mix and match and complete worksheets from all the packs. Please note, you can earn a **maximum of 6 hours per day** by completing worksheet pages



If you are working to earn Children's University passport stamps, please complete as many pages of the worksheets as you wish and bring them to Guest Services at the end of your day. The more pages you complete, the more stamps you earn up to a **maximum of six hours per day**.

*Please download and print the pack yourself.
For a small donation we can print this pack on your behalf.*



ESSEX

Complete this and the next page to earn CU hours!

Bird Spotter

People sometimes miss all the interesting birds around the zoo.
Follow the hints and see if you can find these animals.



Rainbow Lorikeets
We're by the lions



Chilean Flamingo
Find us on the 'bridge' by
the lemurs and geladas



Weaver Bird
We're inside the
giraffe building



Rüppell's Griffon Vulture
We in vulture valley, through the
giraffe building



King Vulture
We're by the wolves



Victoria Crown Pigeon
At the bottom of the steep hill,
opposite the spider monkeys

After finding these birds, write down one cool fact about each of them on the next page. Find information about them on signs near their enclosure, or just by watching what they do and how they act. Record information like: how big they are, what food they like to eat, or anything else you want to remember.



Worth 1 hour

Bird factsheet:

Record one cool fact or something you notice about each bird



Rainbow Lorikeet



Chilean Flamingo



King Vulture



Ruppell's Griffon Vulture



Weaver Bird



Victoria Crowned Pigeon



Worth 1 hour

Observing Animal Behaviour

Observe an animal for 20 minutes.

Type of animal observed: _____

Make a check mark each time it does one of the following:

Walks/Runs	Eats	Drinks	Lies Down
Sleeps	Yawns	Looks at people	Plays

After observing, make a graph showing the animals behavior.

Make sure you label the axes and an appropriate scale.

Which behaviour was most frequent: _____



Worth 1 hour

Animal Research

Find animal you haven't heard of before. Use your map or simply explore the zoo and see what you can find. When you find an animal fill in the information below.

Name of animal: _____

Draw a picture of the animal on the back of this sheet

Size (record weight and height, can be an estimate): _____

Type of body covering (fur, feathers, scales, etc.): _____



Mark on the map where it lives in the wild

How does your animal get its food? (grazer, chases prey, browser, etc.): _____

What habitat does it live in: _____

How is it adapted to that habitat: _____

What is the future of your animal in the wild? Why?



Worth 1 hour

What's the Danger?

Animals are endangered for different reasons. Read information about threats to the animals on signs at their enclosure.

Write the name of an animal that is threatened for each reasons:

.Animal has only one or two babies at a time _____

.Animal needs a special place to nest _____

.Animal lives close to major cities _____

.Animal home changed to farm land _____

.Animal hunted for fur _____

.Animal killed because people don't like them _____

.Animal that food is taken by people _____

.Animal who is killed for tusks or horns _____

.Animal is very, very rare _____



Worth 1 hour

Comparing Apes and Monkeys

Apes and monkeys belong in the primate family along with lemurs and us! There are some key differences however between apes and monkeys.

Find three apes species and three monkey species. When you find a species write down what they look like or draw a small picture of them.

Apes at the zoo are: chimpanzees, orangutans, gibbons, and humans!

Monkeys at the zoo include: mandrills, geladas, tamarins, marmosets, and more!

Lemurs are not apes NOR monkeys, they are their own separate group.

APES

MONKEYS

What is the main visible difference between apes and monkeys? (hint, what does one of them not have?)



Counting Animal Classification - page 1

Find five examples of each type of animal.

Record the number of individual animals you observe of each type.

The first one has been done as an example.

Mammals

Animals with fur or hair



Species (types of animal)	Lion				
Number of individual animals	3				

With 5 species (types) of mammals there was a total of: _____ individual animals



Birds

Have feathers, wings and beaks

Species (types of animal)					
Number of individual animals					

With 5 species (types) of birds there was a total of: _____ individual animals



Fish

Live in water and breathe through gills

Species (types of animal)					
Number of individual animals					

With 5 species (types) of fish there was a total of: _____ individual animals

The most numerous type of animal I observed was the: _____



Counting Animal Classification - page 1

Find five examples of each type of animal.

Record the number of individual animals you observe of each type.

Amphibians

Animals with soft, wet skin (often live in land and water)



Species (types of animal)					
Number of individual animals					

With 5 species (types) of mammals there was a total of: _____ individual animals

Reptiles

Animals with scaly, leathery skin

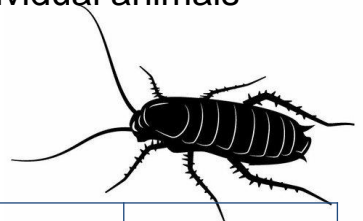


Species (types of animal)					
Number of individual animals					

With 5 species (types) of birds there was a total of: _____ individual animals

Invertebrates

Animals without bones (e.g. seastars, insects, spiders, etc.)



Species (types of animal)					
Number of individual animals					

With 5 species (types) of fish there was a total of: _____ individual animals

The most numerous type of animal I observed was the: _____



Worth 2 hours

British Wildlife Watcher



Visit the Nature Area (through the tiger viewing tunnel). Walk all along the boardwalk until you reach the bird hide at the end. Answer these questions based on the information on the signs in the bird hide and what you see.

What type of bird feeders are on the Nature Area? (circle all that apply)
Seed Nuts Mix Suet

Did you see any birds at the bird feeders? YES /NO

If you saw birds, describe what they look like: _____

Can you find the bird's name on any of the signs (the signs only have the common birds, so if it is a rare bird, it might not be on any of them!) _____

Are there any birds on the pond? YES/NO

If you saw birds, describe what they look like: _____

Can you find the bird's name on any of the signs (the signs only have the common birds, so if it is a rare bird, it might not be on any of them!) _____

What other animals have might live on the nature area?





Worth 1 hour

Habitat Quality Assessment



Visit the Nature Area (through the tiger viewing tunnel).

A Roman River Conservation Area

Look at the entire area, paying attention to the 'type feature being assessed'. After your examination, assign each feature a ranking (3-0) by circling the appropriate description. After ranking everything, sum all the points in each column, then sum all the points together to get a total score for the habitat.

		Ranking			
		3 points	2 points	1 point	0 point
Type of Feature being Assessed	Number of large trees	Many large trees	4-5 large trees	1-3 large trees	No large trees on site
	Understory plants	Many shrubs, bushes, reeds, etc.	Scatted clumps of shrubs, bushes, etc.	A few shrubs	No understory plants
	Logs, rotten trees, and other large woody debris	Many logs and other large woody debris	A few logs and other large woody debris	1 log	No logs or large woody debris
	Connectivity to other nearby habitats	Area appears to connect to surrounding forest/streams/etc.	Forests/streams/etc. visible nearby but not connected (field or similar separating them)	Forests/streams/etc. visible nearby but not connected (road or similar separating them)	No forests/streams or other habitats visible nearby
	Water Quality	Water flowing and appears clear; no smell.	Water flowing slowly; slightly cloudy (hard to see through); no smell	Water still; very cloudy (can't see the bottom at all); no smell	Water still; very cloudy (can't see the bottom at all); strong bad smell
	Water Plants	A variety of different plants growing in the water	One type of plant completely covering all the water	A few scattered, sickly looking plants	No plants growing anywhere near the water
	Water Channel Complexity	Water in a variety of channels; bendy streams connecting multiple small pools and ponds	Water in a variety of channels; completely straight streams connecting multiple round pools and ponds	Water only in one main channel.; completely straight stream linking one round pool	Water only in one completely straight stream (no larger ponds or pools)
TOTAL POINTS in each Column					
		TOTAL SCORE for the entire habitat (sum together all of your totals from each column)			

Quality of Habitat based on numbers of point:

Excellent Habitat 25-35 points Good Habitat 15-25 points Okay Habitat 5-15 points Poor Habitat 0-5 points

Based on your assessment, what quality is the nature area: _____

What could be added or changed to make the nature area a better habitat:



Worth 1 hour

Pet Animal Needs

Many of the animals at Sensation Station (near the farm animals) are animals which people keep as pets. These are animals that might be called 'exotic pets' and have slightly different needs than cats and dogs.

Visit Sensation Station when there is a staff member there (on busy days this is all the time, on quieter days this is the first fifteen minutes of each hour, check the sign at the door for specifics)

Find out the answers to these questions for ONE of the animals:

What animal are you describing: _____

What type of enclosure does it need? (cage, terrarium, outdoor hutch, etc.)

How big is its enclosure at the zoo? _____

Does it need anything 'special' in it's enclosure? (e.g. heat mat, UV lights, etc.)

What type of food does it eat? _____

Does it need to be in a group, or can it live alone? _____

Are there any other important things to know about it? (e.g. it is only awake at nighttime; it lives a really long time; it needs special grooming, etc.)

Do you think this would be a good pet animal for YOU? Why or why not?

Well Done!

**COLCHESTER
ZOO**
Action for the Wild



Now bring your completed pages of this workbook to the Guest Services building (located next to the red brick building) so we can stamp your Children's University passport.

PLEASE NOTE, while you can complete as many pages as you'd like from any of the workbooks, YOU CAN ONLY EARN A MAXIMUM OF SIX CU HOURS EACH DAY BY COMPLETING THESE WORKBOOK PAGES

If you have any comments please contact our education team at education@colchesterzoo.org

Want to earn more CU hours?

Kid's Zoo Academy is a paid two hour experience where you learn all about being a zoo keeper. For details see www.colchesterzoo.org/experiences/kids-zoo-academy

