

INTRODUCTION

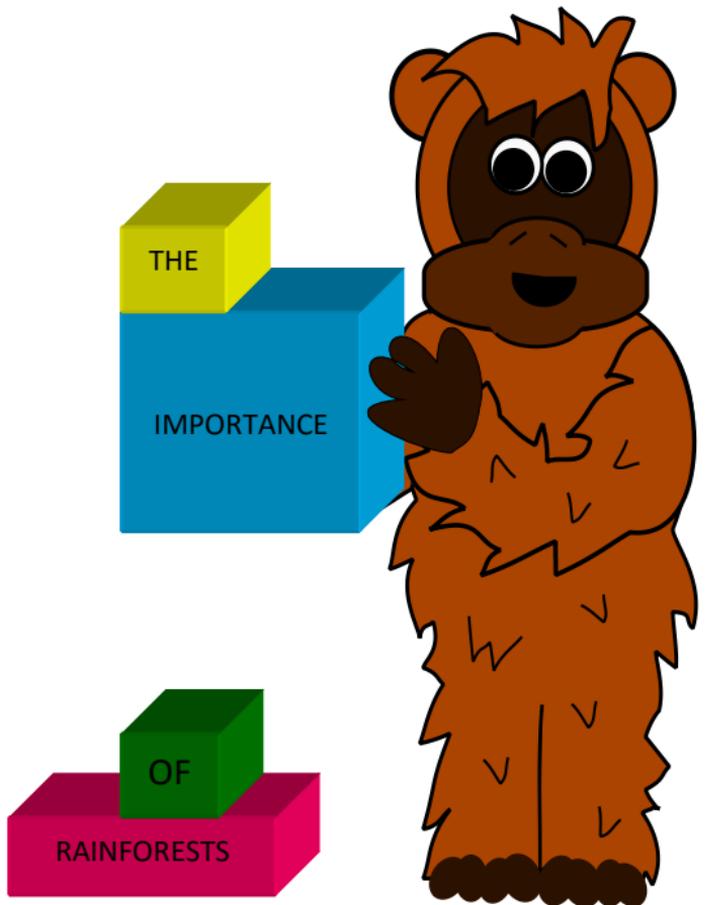
This guide was created as part of the project HELP FOR JUNGLE and it should serve as an instruction manual and educational material SAVE THE JUNGLE WITH RIMBO.

The motivational mascot of this educational material is a monkey named Rimbo, who gives children an idea about the current situation in the forests and at the same time makes them try to remedy the situation there.

This material contains five educational units and other related activities themed on the threatened rainforests in Indonesia. They can be used in environmental education in English in areas relating to this matter. Individual activities are linked to each other, but they can also be used separately. The materials are meant for 8-14 year olds, with at least basic knowledge of English.

In this guide you can find how to work with this educational material, a list of necessary materials, tips on each activity, the time needed and a key to solutions of the tasks.

ACTIVITY NO. 1



FOCUS	AGE GROUP	TIME FOR REALIZATION	ENVIRONMENT
GENERAL	8-14 YEARS	50 MIN	INSIDE

MATERIALS:

- writing accessories

MOTIVATION:

At the beginning of the programme the teacher introduces the children to the plush orangutan Rimbo, who is troubled by the situation in the forest - his home. With a sort of an introductory comics he makes the children familiar with all the issues and helps them with completing the tasks in the manual.

EXPECTED OUTCOMES:

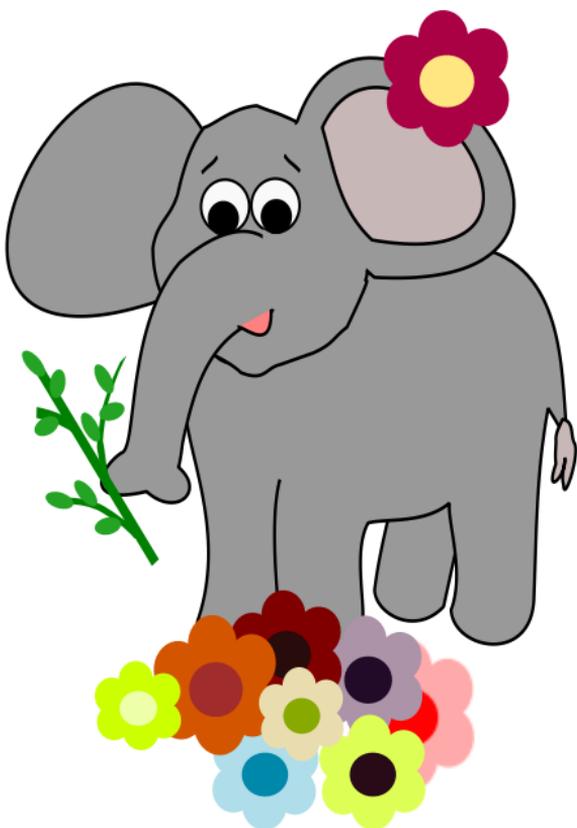
The children will realize the importance of tropical rainforests and the context of the impact of human activities on their destruction.

They discuss possible causes of the loss of rainforests and biodiversity, and are consequently able to identify them.

REALIZATION OF THE ACTIVITY:

The kids start by reading the comics together with the teacher. Then a discussion follows, the teacher asks the children what the story is about. Together they look for an answer to the question 'Why is the rainforest important?'. With the help of the clues in the form of images they write three basic reasons in each box. For the second part, the children are divided into groups of 3-5 and based on three other pictures they try to figure out the basic problems related to the loss of rainforests and biodiversity.

ACTIVITY NO. 2



FOCUS	AGE GROUP	TIME FOR REALIZATION	ENVIRONMENT
FLORA	12-14 YEARS	120 MIN	OUTSIDE

MATERIALS:

- Crayons
- Field microscope
- Collected plant

MOTIVATION:

In this section Rimbo focuses on the herbal side of the rainforest, which is necessary for the fabrication of products which we could not do without and which we consider for granted.

"What do your moms use to make ointments and do you know that they often come from a nearby forest? Let's have a look now into the rainforest together to see if you know some of the herbs!"

EXPECTED OUTCOMES:

Children will realize the diversity of rainforests and determine the possibility of using some plants. They will examine the selected plant under a microscope. In the educational materials they will draw what the plant looks like under a microscope and with the naked eye.

REALIZATION OF THE ACTIVITY:

The teacher takes the kids for a walk along the edge of a rainforest. During the walk he selects an unprotected plant, picks it and shows it to the children. The kids, with the help of the teacher, examine this plant under a microscope and then draw what they see under the microscope and what the plant looks with the naked eye in the educational materials. Furthermore, with the help of the teacher, they mention ways of using plants from the rainforests. Then they select the right utilization from the menu in their workbooks.

ACTIVITY NO. 3



FOCUS	AGE GROUP	TIME FOR REALIZATION	ENVIRONMENT
SUMATRAN TIGER	8-12 YEARS	60 MIN	INSIDE, OUTSIDE

MATERIALS:

- face colours

MOTIVATION:

"Try the life of a tiger yourself."

EXPECTED OUTCOMES:

Children will relax while painting and during the physical game. Thanks to the discussion they will learn interesting facts about the Sumatran Tiger.

REALIZATION OF THE ACTIVITY:

Children paint the face of a tiger on each other's faces. The image in their workbooks may inspire them. During the painting session the teacher provides them

interesting information about the Sumatran tiger (see the chart).

This is followed by a movement play (ideally outdoors). In a delimited area (e.g. 20 x 15 m - depending on the number of children) one child is selected as a hunter, who stands opposite of the rest of the group. His task is to catch as many classmates as possible during their run from one side to the other. While running, it is forbidden to go back or to stop. The rest of the children representing tigers, on the contrary, try to avoid the hunter and get safely to the other side. In case they are caught, they join the hunter in the next round and then also chase the tigers. The game consists of several rounds, and ends at the moment when all the tigers are caught.

A discussion follows in which children with their teachers rehearse all the information about Sumatran Tiger that they remember and try to express their opinion of some of the problems on their own.

SUMATRAN TIGER

BASIC INFORMATION	THE SMALLEST SPECIES OF TIGER
	CARNIVORE
	ONLY SUMATRA, DEEP PARTS OF RAINFORESTS
CAUSES OF DECLINE	POACHING (FOR FUR, ORGANS AND BONES), DEFORESTATION → LESS FOOD FOR THE TIGER → THE TIGER LEAVES THE DEEP PARTS OF THE FOREST → CONFLICT WITH HUMANS
INTERESTING FACTS	CURRENTLY ABOUT 400-500 TIGERS
	40 TIGERS KILLED BY HUMANS PER YEAR
	HAUNTING TIGERS WAS A SPORT IN THE PAST (NOW IT IS ILLEGAL)

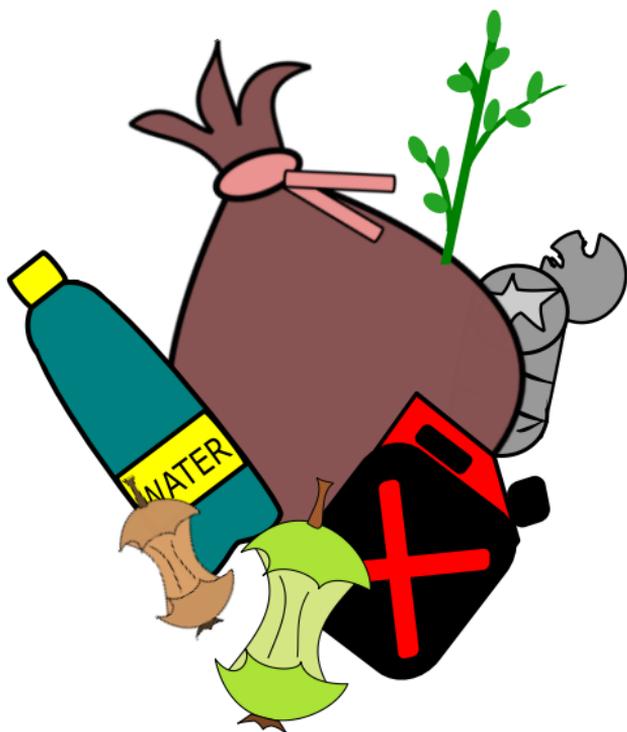
YOUR NOTES

.....

.....

.....

ACTIVITY NO. 4



FOCUS	AGE GROUP	TIME FOR REALIZATION	ENVIRONMENT
GARBAGE	8-14 YEARS	170 MIN	OUTSIDE, INSIDE

MATERIALS:

- buckets
- PET bottles
- any materials for creating something from PET bottles (scissors, string, paint)

MOTIVATION:

Rimbo introduces the children to his elephant friend, who is troubled by the amount of discarded litter. Also here help of the children is necessary.

Collecting of the garbage can be realized as a competition between the children. Also a small reward (examples: diploma, colouring picture) is important.

"Who collects the most garbage?"

EXPECTED OUTCOMES:

Children will collect garbage from the edge of a rainforest. They will be able to distinguish correctly between organic and inorganic waste. Their next task is to re-create various things from the anorganic objects.

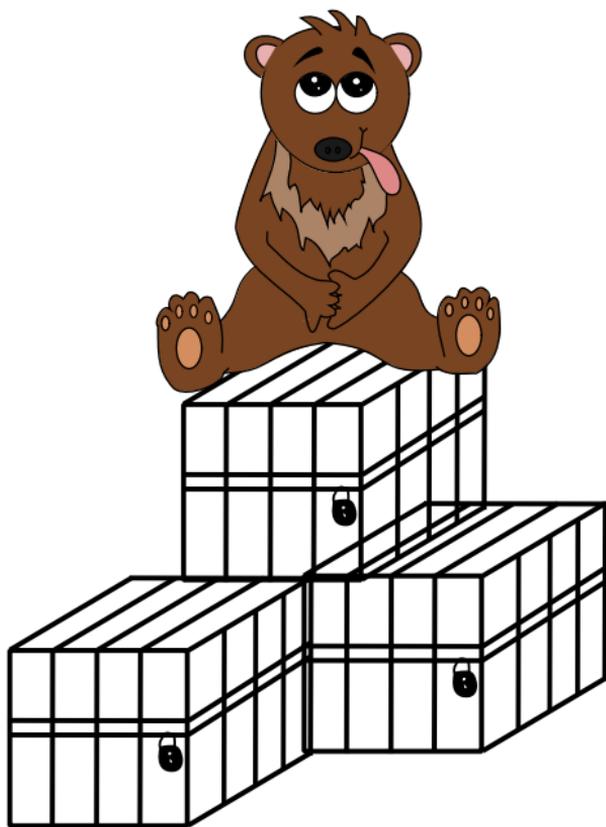
REALIZATION OF THE ACTIVITY:

Children read the interview between Rimbo the orangutan and the Sumatran elephant and the task instructions. Together with the teachers they go for a walk into the rainforest and clean it from the garbage. They separate the collected waste - organic and inorganic. Together with the teachers they discuss other possible uses of PET bottles and carry some of them out. During the production the children and the teachers discuss the impacts.

TIPS FOR THE USE PET BOTTLES:

- flowerpots
- pencil holder
- broom
- decoration

ACTIVITY NO. 5



FOCUS	AGE GROUP	TIME FOR REALIZATION	ENVIRONMENT
FAUNA	8-12 YEARS	50 MIN	INSIDE

MATERIALS:

- writing accessories

MOTIVATION:

In this part Rimbo attracts the interest of the children by a story of a slow loris which was captured and now suffers.

EXPECTED OUTCOMES:

Children will understand from the comics that the life of animals held in captivity is not good for them. They mention the reasons why this is so. They will complete the connecting exercises in the materials and will learn new information about these animals.

REALIZATION OF THE ACTIVITY:

At the beginning the kids read the comics together with the teacher and then discuss it (bad human behaviour towards captured animals, possible ways and reasons for the loss of animals in the rainforest and its impact). In the second part the kids do the connecting exercise themselves (animal and reason why it is caught/hunted). An interesting story about these animals follows. The teacher takes the information from the charts (it is not necessary to tell them all the information).

After a discussion follows a joint rehearsal of the information about the animals.

SEA TURTLES

BASIC INFORMATION	7 SPECIES – ALL OF THEM ARE ENDANGERED, 3 OF THEM DEPOSIT THEIR EGGS ON THE ISLAND OF BANGAKU (70 KM FROM SUMATRA)
IMPORTANCE	CORAL REEFS (THEIR FOOD ARE SPONGES THAT COVER CORALS) → TURTLES AFFECT THEIR STRUCTURE AND SPECIES DIVERSITY
CAUSES OF DECLINE	POACHING (FOR EGGS AND MEAT), FISHING, POLLUTED SEAS → IMMUNOSUPPRESSION OF THE TURTLES → DISEASES
INTERESTING FACTS:	FEMALES LAY THEIR FIRST EGGS AT THE AGE OF 25
	THE LARGEST TURTLE - LEATHERBACK TURTLE – WEIGHS 1 TONNE
	60-100 EGGS PER CLUTCH
	DISORIENTATION OF HATCHLINGS BECAUSE OF CITY LIGHTS

SUMATRAN RHINOCEROS

BASIC INFORMATION	THE SMALLEST AND RAREST SPECIES OF RHINO
	HERBIVORE
	THICK BROWN FUR
	SUMATRA AND BORNEO, DENSE PARTS OF FORESTS NEAR WATER
CAUSES OF DECLINE	POACHING (FOR HORNS AND CHINESE MEDICINE)
INTERESTING FACTS:	THE ONLY ASIAN RHINO WITH TWO HORNS
	CURRENTLY ABOUT 200-300 RHINOS
	IT LOVES WATER (IT EVEN BATHES IN THE SEA)

SLOW LORIS

BASIC INFORMATION

HERBIVORE

NOCTURNAL

SUMATRA, MALAYSIA, THAILAND, SINGAPORE, TROPICAL RAINFORESTS, SWAMPS, SAVANNAH

CAUSES OF DECLINE

PET KEEPING, DEFORESTATION, POACHING (FOR CHINESE MEDICINE), KILLED AS AN ANIMAL HARMFUL TO CROPS

INTERESTING FACTS:

RAISED PAWS = FRIGHTENED

ALMOST COLOUR-BLIND

HYPOGLOSSAL NERVE (A SMALL SECOND TONGUE)

LOW TEMPERATURE - STATE OF IMMOBILITY FOR UP TO A FEW DAYS

GOOD AT CLIMBING TREES, IT DOES

NOT JUMP → NO TAIL

SUN BEAR

BASIC INFORMATION

THE SMALLEST SPECIES OF BEAR

GOOD AT CLIMBING TREES

OMNIVORE – BUT MAINLY EATING HONEY, PLANT FOOD AND TERMITES

INDONESIA AND MALAYSIA

CAUSES OF DECLINE

HUNTING (FOR CHINESE MEDICINE, FUR, IN THE PAST ALSO MEAT), PET KEEPING, DEFORESTATION (SUSCEPTIBLE TO CHANGES ITS SURROUNDINGS), WHEN FORAGING ON PLANTATIONS IT CAN CAUSE HARM → IT IS KILLED

INTERESTING FACTS:

UP TO 25 CM LONG TONGUE

IT CLIMBS TREES ALSO BY USING ITS TEETH.

ADDITIONAL EXERCISE NO. 1



FOCUS	AGE GROUP	TIME FOR REALIZATION	ENVIRONMENT
ENGLISH LANGUAGE, FAUNA	8-12 YEARS	45 MIN	INSIDE

MATERIALS:

- screen displaying a rainforest
- laminated pictures of animals
- cards with names
- pins

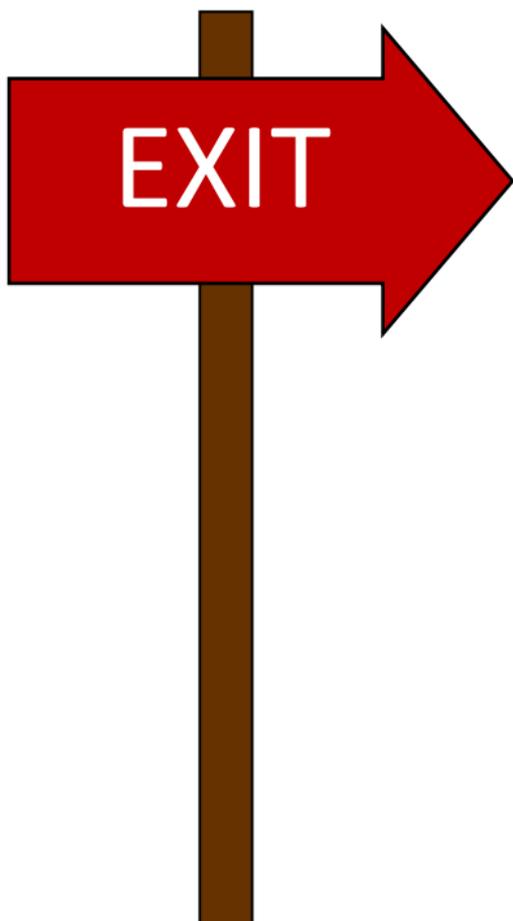
EXPECTED OUTCOMES:

Mastering basic vocabulary focused on the environment. They will also be able to mention at least one interesting thing about the animals which the kids encountered in the previous exercises, and will correctly determine which part of the rainforest this animal inhabits.

REALIZATION OF THE ACTIVITY:

The teacher installs the screen in a visible place and successively show the children different pictures of animals. The children's task is to say the correct English name of the showed creature and say one thing about this animal. The child who does this job the fastest, then places the card on the screen so that it is clear where this animal lives.

ADDITIONAL EXERCISE NO. 2



FOCUS	AGE GROUP	TIME FOR REALIZATION	ENVIRONMENT
LEISURE ACTIVITY	8-10 YEARS	15 MIN	INSIDE

MATERIALS:

- writing accessories

EXPECTED OUTCOMES:

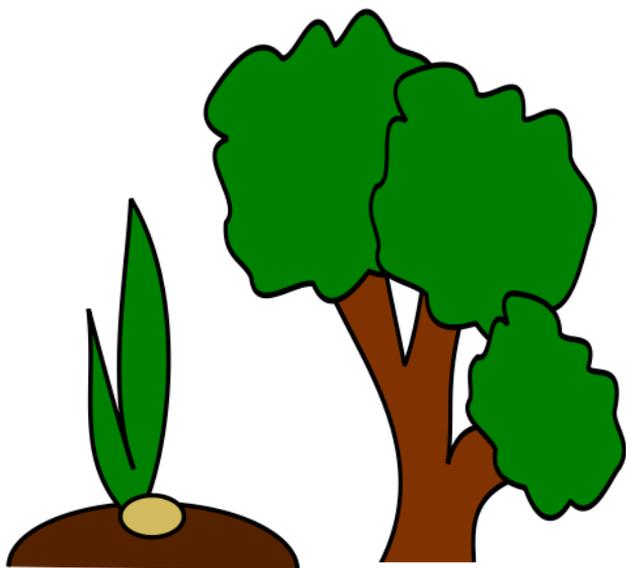
Children will relax and entertain themselves while providing help to Rimbo the orangutan against the chasing hunters. They will find the only possible way out of the labyrinth, which begins at the image of a gun and cage and ends with an orangutan. This game reinforces the idea of animals' right to freedom.

REALIZATION OF THE ACTIVITY:

At the beginning the teacher defines the time in which the children fulfil this challenge - the recommended time limit (see Time for realization). Each child works

separately with the materials. At the end, the kids show the correct solution to each other.

ADDITIONAL EXERCISE NO. 3



FOCUS	AGE GROUP	TIME FOR REALIZATION	ENVIRONMENT
FLORA	8-14 YEARS	120 MIN	OUTSIDE

MATERIALS:

- Seedling
- Name tag
- Spade

EXPECTED OUTCOMES:

By doing practical activities children will contribute to the restoration of rainforests and the kids will also become more familiar with the procedure of tree planting. The kids will gain a sense of usefulness by watching the gradual growth of the plants.

REALIZATION OF THE ACTIVITY:

The teacher determines the available space of land suitable for the growth of new trees. Here, children

under adult supervision plant the seedlings. This activity is a long-term one. Children will regularly take care of their trees. They may also place their own name tags for a more personal relationship.

ADDITIONAL EXERCISE NO. 4



FOCUS	AGE GROUP	TIME FOR REALIZATION	ENVIRONMENT
ENGLISH, FLORA	8-12; 12-14 YEARS	60 MIN	INSIDE

MATERIALS:

- Writing accessories

EXPECTED OUTCOMES:

Children will employ their imagination and try to figure out their own way of helping the rainforest. Older students can also practice their English vocabulary.

REALIZATION OF THE ACTIVITY:

Teachers arrange a peaceful room where children are able to concentrate themselves. Each child can only use his own mind and tries to find a way to be helpful for the rainforest or even to save it. The task has been created in two forms. The text part is meant for children aged 12-14 years, whereas the picture part is

meant for 8-12 year old kids. If the assigned form is too demanding or on the contrary too simple for the child, he/she can try the other form. Children's imagination has no limits and each effort is appreciated. The only requirement is that the older students express their thoughts in English.

VOCABULARY

At the back of workbooks the children will find a table of difficult English words.

The task of the teacher is to help the children with translating them in any situation.

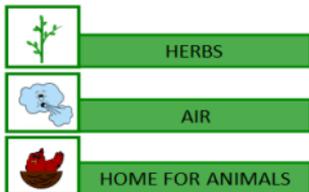
Children are often shy and therefore we recommend to go through all the texts carefully and to translate them together.

Some difficult words and phrases are colour-marked in the text. Their translation is prepared for you on the next page.

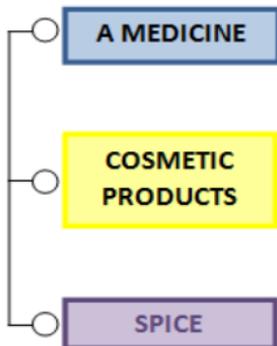
ENGLISH	BAHASA INDONESIA
CAGE	KANDANG
SPICE	MEMBUMBUI
WILD	LIAR
FLOWERS	BUNGA
STRUCTURE	STRUKTUR
RUBBISH	SAMPAH
MESS	KEKACAUAN
PLANT	MENANAM
OWN	SENDIRI
SIGN	TANDA
TAKE CARE	PEDULI
DANGER	BAHAYA
IT'S YOUR TURN	GILIRAN ANDA

THE KEY

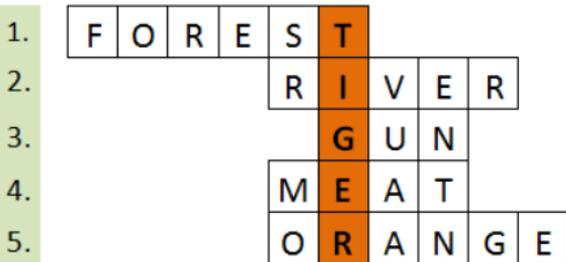
ACTIVITY NO. 1



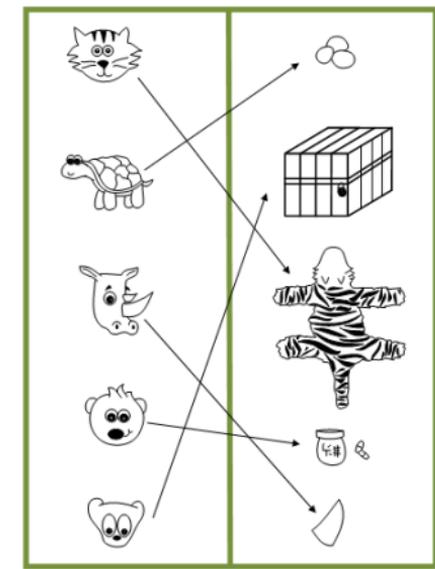
ACTIVITY NO. 2



ACTIVITY NO. 3



ACTIVITY NO. 5



SUPPORT

It was amazing to help Rimbo with his programme and share it with you.

We hope that you enjoyed it and had a lot of fun.

This educational programme was supported by the ZOO Hodonín, the Purkyně's grammar school in Strážnice and Petr Prikryl.

Your authors

Radka Syrová, Petra Crhonková

(Czech students)

