The ability of animals to move*

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1 NATURAL SCIENCES

2 Grade 5

3 Life and way of living

4 Module 12

5 The ability of animals to move

5.1 Activity:

5.2 To investigate the ability of animals to move

5.3 [LO 1.2]

ANIMALS AND THEIR ABILITY TO MOVE

Animals must be able to move so that they can obtain food. Some must even be able to move quickly to be able to catch other animals. Others must be able to move quickly to escape from dangers.

1. The cheetah

Athletic build

Hunts prey by chasing it over short distances

Fastest mammal on land (speed of ± 75 km/h)

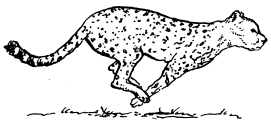

Figure 1

Why must the cheetah be able to run **so very fast**?

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2. The giraffe

Tallest animal on earth.

Long legs and neck make it possible for it to eat leaves and shoots on the tree tops.

Discuss and draw conclusions about how the giraffe's blood manages to reach its head and why a giraffe spreads its front legs when it is drinking water.

Figure 2

3. The springhare

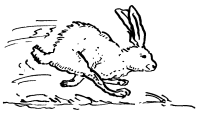

Figure 3

Long hind legs and short front legs

Moves by jumping with its hind legs

While they eat, they move on all four their legs

How is the springhare's way of moving adapted to its way of life?

6 Assessment

LEARNING OUTCOME 1: SCIENTIFIC INVESTIGATIONS The learner will be able to act confidently on curiosity about natural phenomena, and to investigate relationships and solve problems in scientific, technological and environmental contexts.

We know this when the learner:

1.1 plans investigations: together with their co-learners, they list knowledge regarding familiar situations and materials and compile investigative questions;

1.2 leads investigations and collects data: execute instructions and procedures that entail smaller sections;

1.3 evaluates data and communicates findings: provides feedback on progress in group context and on the final result.

7 Memorandum

1. Must be faster than antelopes, which are very fast.

2. The veins in the giraffe's neck have special valves that regulate the flow of blood to its head because the neck is so long. When the giraffe bends to drink water, it spreads its legs to prevent too much blood flowing from the arteries into the brain.

3. The hind legs are strong so that it can jump over plants and shrubs and can run quickly to get away from predators.