

Overview

Learners will use the threats facing the gorilla population of Gabon and the surrounding area as a context for the suggested learning opportunities. They will use statistics about the gorilla population and the threats they face:

- Loss of habitat due to logging
- Disease: the Ebola virus
- Hunting: bush meat trade

With a focus on mathematics and numeracy learners will solve hypothetical problems based on variables of the above threats. This will allow them to see how the gorilla population will decrease or increase in the future, depending on the impact of these threats. The learners will need to calculate percentages of numbers to give the possible future statistics. For these activities, the focus will be on calculating percentages of quantities and using addition and subtraction of percentages. Practitioners may wish to use the additional support materials, when exploring the challenges

These learning opportunities promote links with technologies and modern languages.



Mathematics / numeracy experiences and outcomes explored:

I have investigated the everyday contexts in which simple fractions, percentages or decimal fractions are used and can carry out the necessary calculations to solve related problems.

MNU 2-07a

Other curriculum areas explored:

Throughout all my learning, I can use search facilities of electronic sources to access and retrieve information, recognising the importance this has in my place of learning, at home and in the workplace.

TCH 2-03b

I can participate in familiar collaborative activities including games, paired speaking and short role plays.

MLAN 2-05b

Responsibility of all:

I can show my understanding of what I listen to or watch by responding to literal, inferential, evaluative and other types of questions, and by asking different kinds of questions of my own.

LIT 2-07a

Themes across learning:

Global citizenship

Overview of learning

Possible prior experiences

Discuss the situation of Lowland gorillas in Gabon and surrounding countries.

Make the learners aware of the different species of gorillas which exist and how they are all endangered and facing the same major threats of loss of habitat, hunting and disease.

Research project about lowland gorillas. It may be important to highlight the three major threats which gorillas face:

- Loss of habitat due to logging
- Disease: the Ebola virus
- Hunting: bush meat trade

Challenges

Gorilla population challenge

In this challenge about percentages, the learners will be given possible scenarios to work with. This gives them the opportunity to see the impact on the gorilla population, depending on how the main threats vary. This will allow them to become familiar with calculating percentages of quantities, before moving on to setting their own criteria by changing the variables.

Lowland gorilla population challenge

This challenge is designed to help the learners create their own questions and challenge their peers. This teaches them the important skill of being able to formulate relevant questions, pitched at the appropriate level.

Percentages in French challenge

The learners may answer simple percentage calculations to consolidate their knowledge of numbers to 100. The class can participate in a question session, using individual whiteboards to answer. These questions can be projected on the whiteboard so that the learners can work in pairs, asking each other these questions and creating new ones. For example, “*Combien ça fait, 50% de 20?*”

Possible evidence

Completed tables
Answer grid

Written answers to questions
Question cards

Participation in conversation
Whiteboard answers