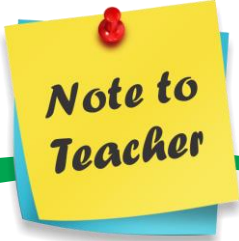


# Lesson Plan



**Note to  
Teacher**

## Grade 4 Term 3

***This lesson plan is suitable for  
Grade 4 Terms 3 & 4***

This Lesson Plan is CAPS-aligned with learning opportunities presented in: **Geography**

**TOPIC: Food and Farming in South Africa**

- People and Food
- Ways of Farming
- Case Study of Stock Farming in South Africa such as Chicken Farming
- Reading

NOTE TO TEACHER: Refer to *Goosie's Story* [HERE](#)

## Grade 4 Term 4

This Lesson Plan is CAPS-aligned with learning opportunities presented in: **Life Skills**

*Beginning Knowledge and Personal and Social Well-being*

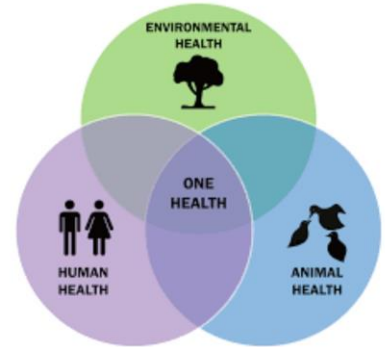
**TOPIC: Health and Environmental Responsibility**

- Example of environments that are unhealthy: pollution (air water and land)
- Dangers of unhealthy environments to personal health
- Strategies to keep environments healthy: conservation of environment
- Reading about healthy environments and personal health

Scientists now understand that human health is connected to the health of Planet Earth as a whole.



This new understanding is **summed up** in the United Nation's concept of **ONE HEALTH**.

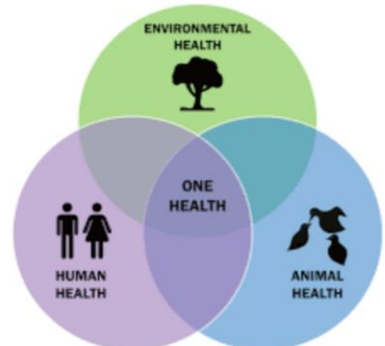


## Understanding



## One Health

One Health recognises the **interconnection between people, animals, plants, and their shared environment**, with the health of **one being dependent on the health of the other.**





Scientists now understand that:

**humans should avoid invading wild habitats**

where diseases lurk to which the wild inhabitants are immune but to which we are not immune

AND

**humans should ensure that the animals in our care**

[whether companion animals or farmed animals]

**should lead stress-free lives**

that promote their health and welfare.



You may ask...

**Why do we keep on invading wild habitats**



The answer lies hidden in the words

**FACTORY FARMING X**

Millions of farmed animals like pigs and chickens are locked away in huge over-crowded sheds all around the world.



Unable to roam and forage for their food, they live and die never having seen the sun or a blade of grass.

The soya and corn that feeds them, is grown on vast industrial farms. In Brazil, for example, even land that was part of the Amazon rain forest, is now used to grow crops to feed farmed animals around the world.



**FACTORY FARMING X**





**FACTORY FARMING** X



*From this...*

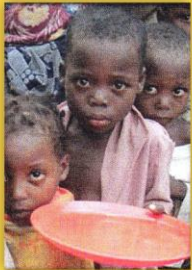
**Wild habitat**



**FACTORY FARMING** X

*...to this*

Since 1950 factory farming has been practised in the belief that it would provide a solution to **world hunger**.



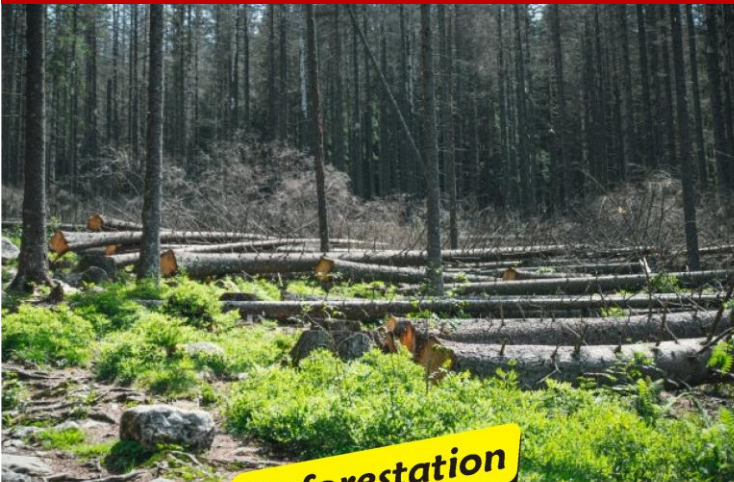
But we know now that hunger is on the rise and factory farming has failed.



Now people are thinking twice about **factory farming**.



**Cheap food is not cheap if its price is a pandemic.  
The price is more than a pandemic...**



**FACTORY FARMING X**

...is one of the major contributors to climate change through deforestation and other factors.



Currently, the world rears and slaughters **77 billion** farmed animals every year for food, most of them are confined in factory farms.



In an age of climate change and nature emergency many farmers and entrepreneurs are turning to alternative ways of feeding the world.

## *Alternative ways of feeding the world*

### **Ecological / Regenerative Farming**

An **ecological or regenerative farmer** builds soil with compost and groundcovers, develops crop rotations, and **cares for animals by allowing them to perform their natural behaviours** such as rooting, scratching, grazing and fertilising the fields with natural manure.



# Alternative ways of feeding the world

Vegan and vegetarian options are growing...



...but so too is the demand for **meat**.



# Alternative ways of feeding the world

An exciting revolution is on the horizon in the form of

**Cultivated Meat**



In 2020, Singapore earned a **World First** when it gave the go-ahead for the commercial selling of cultivated meat in the form of chicken.

**Cultivate meat** starts off as a small harmless biopsy harvested from the fat or muscle of a living animal. The biopsy is placed in a nutrient-rich culture medium that allows it to **grow and multiply naturally**.



**One single biopsy from a cow can produce thousands of kilograms of prime beef all within a laboratory setting.**

**Josh Tetrick, CEO of Eat Just,** the start-up company behind the breakthrough, said his aim was to:



- ▶ **stop animal cruelty,**
- ▶ **save the planet for future generations** and
- ▶ **help humans to regain their humanity.**



South Africa has its own triumph in the cultivated meat endeavour...

Learn more about Newform Foods here:



<https://newformfoods.com/>

## Read about the amazing advance made in cultivated meat in Cape Town, South Africa in 2024

### *For the Love of Kin*

is a fictionalised version of what really happened in South Africa in 2024 when *Compassion in World Farming* CEO, **Philip Lymbery** accepted an invitation from pioneering food company **Newform Foods** to sample its cultivated lamb meatballs.

The fact that a very happy, healthy sheep, still enjoying life at the **Greyton Farm Animal Sanctuary** had provided the meatballs, was motivation enough for him to break his 40-year fast from meat.

SEE [HERE](#)

