

Educator Workbook

CAPS-aligned

Grade 1–3

Educating future
leaders by teaching
them to care for the
environment.

Life Skills



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Section A

Introduction

Foreword

PETCO is the trading name of the PET Recycling Company NPC South Africa, a not-for-profit company incorporated in 2004. PETCO fulfils the PET industry's role of Extended Producer Responsibility (EPR), being a voluntary industry driven and financed environmental solution for post-consumer PET plastic and the vehicle through which the PET industry self-regulates and co-ordinates its recycling activities. To achieve this, everyone involved, from Government to the raw material producers, converters, brand owners, retailers, consumers, and recyclers, play their part in the solution. By imposing accountability over the entire life cycle of PET products and packaging, companies that manufacture, import and/or sell PET products and packaging are financially and physically responsible for such products after their useful life.

PETCO is not involved in the physical collection or recycling of waste PET in South Africa, choosing to remain outside of the PET recycling value chain. Instead, it acts as a Producer Responsibility Organisation (PRO) that financially supports, on behalf of its members, activities along the waste PET value chain. This model presents the lowest risk to all stakeholders, negates the need for PET EPR funding becoming a drain on the national fiscus, and is the most cost-efficient solution for society. PETCO members include brand owners, resin producers, converters, and bottlers. Visit www.petco.co.za for more information.

PETCO has created this user-friendly, fun, and factual Educators' Workbook to help teach learners how their actions can have a less harmful impact on the environment. They will learn that littering is a bad habit, as well as the different things that can be done with waste. By completing the activities together with your learners, you will teach them lessons that they will remember for life. The activities, which are aligned to the CAPS curriculum, cover the Life Skills curriculum standards and have been designed to ensure that learners have fun while learning.

You can assist your learners by encouraging them not to litter, and to:

- reduce waste;
- reuse materials; and
- collect materials that can be recycled.

Here is a quick overview of the CAPS-aligned content that you will find in this educational pack:

Grade 1

Life Skills – My community

Grade 2

Life Skills – People who help us

Grade 3

Life Skills – Recycling

Background and Context

Pick n Pay School Club is celebrating its 18th year of providing much-needed educational material, which now reaches 110,425 teachers and 2.36 million learners across South Africa. The PETCO learning programme is aligned to the CAPS curriculum, which adheres to the standards set by the Department of Education.

The material is designed to facilitate the learning process and culminates in the assessment of competency levels according to the standards set for each specific grade. The educator is supported by way of research and learning content that is presented clearly and is easy to implement in the classroom.

Introduction

Acronyms:

CAPS: Curriculum and Assessment Policy Statement

GET: General Education and Training

Section B

Foundation Phase

Grade 1

Name of Lessons: We don't litter		Time: 3 x 30 minutes
Grade 1		Subject: Life Skills Term 3 (My community)
Curriculum Standards (CAPS): Life Skills Term 3: Beginning knowledge and personal and social well-being Topic: My community • Keeping places clean – including using bins and not littering.		
Additional opportunities for extension and CAPS-alignment: Term 1: Shapes - use recycled materials to explore and create different shapes. Term 2: Materials that homes are made of - look at traditional homes, modelling out of 'waste'. Term 4: Water.		
Objectives		
The learners will be able to: • Identify, and differentiate between, waste and litter. • Show care for the environment. • Identify objects that can be reused and recycled.		
Content	Skills	Values
Learner Activity 1: I see litter • Waste • Litter Learner Activity 2: I love Earth • Environmental responsibility Learner Activity 3: What Can I reuse or recycle? • Reusing • Recycling	Learner Activity 1: I see litter • Discrimination (Discern differences) • Sorting Learner Activity 2: I love Earth • Creativity • Identification of symbols Learner Activity 3: What can I reuse or recycle? • Matching • Categorisation	Learners appreciate the importance of caring for the environment and that they are responsible for keeping it clean.
Resources needed		
For all 3 Learner Activities: Pencils/crayons; the PETCO poster; photocopies of the Learner Activities.		
Teacher preparation before starting		
Study the lesson plans prior to the lessons and ensure you have all the resources required for the lessons. Familiarise yourself with content for the three lessons before the lesson starts. Print sufficient Learner Activity worksheets.		
Teaching the Learner Activities		
Learner Activity 1: I see litter		
Vocabulary: Waste: Unwanted things that are thrown away after we have used them. Litter: Waste such as paper, cans, plastic shopping bags and bottles left lying on the ground, in water or on plants.		
Ask: • What is rubbish? • What should we do with rubbish?		

Explain:

- Another word for rubbish is waste.
- Explain the word waste, using the definition provided as a guide.

Ask:

- What do we do with waste in our homes and schools?
- What is litter?

Explain:

- Explain the word litter, using the definition provided as a guide.

Refer:

- Refer the learners to the PETCO poster.

Discuss:

- What is the difference between the two scenes on the poster?
- How do you feel when you look at the left side of the poster?
- Which side of the poster looks nicer?

Ask:

- Do you see litter on both sides of the poster?

Explain:

- The waste lying on the ground on the left side of the poster is litter because it has been left lying on the ground, instead of being put in a waste bin.
- The waste in the bins on the right side of the poster is not litter, because it has been put in a waste bin.
- The correct thing to do with waste is to put it in a waste bin.
- It is bad to leave litter lying around on the ground.

Complete the Learner Activity:

- Hand out the Learner Activity 1 worksheets.
- Let learners compare the two drawings on the worksheets.
- Learners draw a circle around each piece of litter, on the right, that does not belong on the ground.

Learner Activity 2: I love Earth

Vocabulary:

Environment: The environment is the world that we live in. The environment includes everything living and everything non-living. Living things (people, animals, plants) need the non-living parts of the environment (water, air, sun) to survive.

Reduce: To make smaller or use less of. To cut back on what we buy and the waste we make.

Reuse: To find many new ways to use waste, so that we don't throw it away.

Recycle: To use waste to remake new goods that can be used and sold again.

Landfill: A landfill is a place where waste is taken to be buried in a big hole in the ground.

Ask:

- What is the environment?

Explain:

- Explain the word environment, using the definition provided as a guide.

Ask:

- Is our school part of the environment?
- Is your home part of the environment?
- Is a park part of the environment?
- Is a river part of the environment?

Section B

Foundation Phase

Grade 1

Explain:

- Waste and litter are bad for the environment.
- Explain what a landfill is using the definition provided as a guide.
- All the things that we throw away have to be taken away and buried in a landfill.
- The more things that we throw away, the more space is needed to bury all the waste.
- Explain the word reduce, using the definition provided as a guide.
- There are ways to reduce the amount of waste that has to be buried in a landfill.
- Explain the word reuse, using the definition provided as a guide.
- Explain the word recycle, using the definition provided as a guide.

Explain:

- When we are kind to the environment, we don't throw away things that can be reused or recycled.

Complete the Learner Activity:

- Hand out the Learner Activity 2 worksheets.
- Learners trace over the words on the worksheet.
- Learners colour in the drawings on the worksheet.

Learner Activity 3: What can I reuse or recycle?

Vocabulary:

Compost: Rotting organic things used as a food for growing plants.

Explain:

- Just because we have finished using something, does not mean that it must now get thrown away.
- There are things that we use every day that can be reused or recycled.

Ask:

- Do you remember what the word 'reuse' means?
- Can you think of anything that you normally throw away that you could also reuse?
- Write learners' answers on the board.
- Can you remember what the word 'recycle' means?

Explain:

- Explain that many things that are made of paper, plastic, metal, or glass can be recycled.

Ask:

- Can you think of examples of paper, plastic, metal or glass things that you usually throw away?
- Write learners' answers on the board.

Explain:

- Some things can be reused OR recycled.
- Plastic bottles can be recycled to make new things or new bottles, but they can also be washed, refilled, and used again.
- Food cannot be recycled, but some food can be reused to make compost.
- Explain the word 'compost', using the definition provided as a guide.
- Organic things are things that come from plants and animals.
- We can reuse things like eggshells, apple cores and other fruit and vegetable scraps to make compost.
- We must not put meat or dairy products into a compost heap because it attracts rats and other pests.
- We must throw away things like bones, milk, cheese and oils.
- Some things that we use cannot be reused or recycled and must be thrown away.

Complete the Learner Activity:

- Hand out the Learner Activity 3 worksheets.
- Learners draw a line between the word and the picture of that word in the 'new' column.
- Then, learners draw a line between the 'new' picture and the 'used' picture.

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- The first one has been done for the learners.
- Learners colour in the items that can be recycled (can, bottle, carton).
- Learners colour in the items that can be reused (apple and banana).

Assessment

Refer to the Resource Section for the Assessment Rubric.

Teacher reflection

Is there anything you would do differently if you taught this unit again?

Educator Guide

Section B
Foundation Phase
Grade 1

I see litter

Name:..... Date:.....

1. Look at these 2 pictures.
2. Some of the things in Picture 2 are litter and some are not.
3. Draw a circle around each piece of litter in Picture 2.

Learner Activity 1



Picture 1



Picture 2

I love Earth

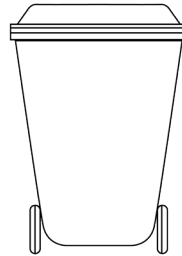
Name:..... Date:.....

1. Trace over the words and colour in the pictures below.

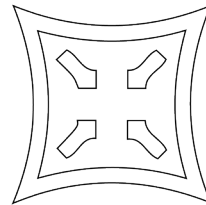
earth



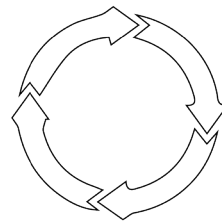
waste



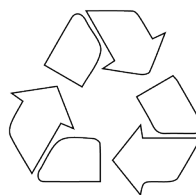
reduce



reuse



recycle



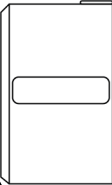









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What can I reuse or recycle?

Name:..... Date:.....

1. Look at the words and pictures in this table.

Name	New	Used
Banana		
Can		
Apple		
Plastic Bottle		
Carton		

- Draw a line between the word and the picture of that word in the 'new' column. The first one has been done for you.
- Now, draw a line between the 'new' picture and the 'used' picture. The first one has been done for you.
- Colour in the things that can be reused or recycled.

Section C
Resource Section

Assessment Rubric:

Assessment	
Rating code	Description of competence
7	Outstanding achievement
6	Meritorious achievement
5	Substantial achievement
4	Adequate achievement
3	Moderate achievement
2	Elementary achievement
1	Not achieved

Photograph of rubbish dump



Source: PETCO

Photograph of landfill



Source: PETCO

Notes

Notes





For more information email schoolclub@pnp.co.za