

# LESSON PLAN FOR NATURAL SCIENCES

**TEACHER'S NAME:** Nwabisa Kutwana

**SCHOOL:** Marconi Beam Primary school

**STUDENT NUMBER:** 225216329

**TIME ALLOCATION:** 35 minutes

**DATE:** March 2024

**GRADE:** 5

**LESSON TOPIC:** Photosynthesis in Plants

## **CAPS SKILLS ADDRESSED:**

- Understanding scientific processes
- Making observations
- Recording and analyzing data
- Drawing conclusions from evidence
- Understanding cause and effect relationships

## **LTSM USE:**

1. Green plant leaves
2. Diagrams showing photosynthesis process
3. Colored pencils/markers
4. Worksheet with simple diagram of photosynthesis
5. Small potted plant

## **BARRIERS TO LEARNING:**

- Some learners may struggle with scientific terminology
- Abstract concepts may be difficult to understand
- Language barriers for non-English speaking learners

## **Solutions:**

- Use simple analogies and diagrams to explain complex concepts
- Provide visual aids and hands-on activities
- Use peer translation when necessary
- Break down complex terms into simpler explanations

## INTRODUCTION (5 minutes)

Activity / Teaching strategy	Teacher's action	Learners' action	Resources required	Assessment tool	Time
Demonstration with plant	Teacher shows a potted plant and asks "How does this plant make its own food?"	Learners share their ideas about how plants eat/grow	Potted plant	None	5 minutes

## BODY

### Phase 1: Activate prior Knowledge (10 minutes)

Activity / Teaching strategy	Teacher's action	Learners' action	Resources required	Assessment tool	Time
Interactive discussion	Teacher introduces the term photosynthesis and breaks it down (photo = light, synthesis = making). Shows diagram of process.	Learners copy diagram and label main parts	Photosynthesis diagram, worksheets	None	10 minutes

### Phase 2: Think, pair, share (10 minutes)

Activity / Teaching strategy	Teacher's action	Learners' action	Resources required	Assessment tool	Time
Group activity	Teacher provides worksheet with simple questions about ingredients and products of photosynthesis	Learners work in pairs to complete worksheet, then share answers with class	Worksheets, pencils	Classwork	10 minutes

### Phase 3: Individual task (5 minutes)

Activity / Teaching strategy	Teacher's action	Learners' action	Resources required	Assessment tool	Time
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Creative drawing	Teacher asks learners to create their own simple diagram showing photosynthesis process	Each learner draws and labels their own diagram	Paper, colored pencils	Homework	5 minutes
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## CONCLUSION (5 minutes)

Activity / Teaching strategyTeacher's actionLearners' actionResources requiredAssessment toolTimeSummaryTeacher reviews key points: ingredients needed (sunlight, water, carbon dioxide) and products (glucose, oxygen)Learners participate by answering review questionsPrevious resourcesNone5 minutes