Every child is a National Asset

2021 RECOVERY ANNUAL TEACHING PLANS

NATURAL SCIENCES & TECHNOLOGY

GRADE 6

Implementation: January 2021

basic education
Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

Read to Lead

Presentation Outline

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Introduction

Introduction

COVID 19 led to losses in teaching and learning time due to:

- the lockdown period and **phased reopening** of schools,
- Alternating time tabling models and
- the related health and safety **protocols.**

Furthermore, the revision of the school calendar **and** intermittent closure of many schools negatively **impacted** the **ability of teachers to implement the revised 2020 ATPs** as envisioned.

To mediate the impact and support teachers in managing teaching, assessment and learning within the reduced **time**, the DBE in 2020 implemented:

- **Circular S3 that outlined and guided teachers to conduct context specific subject trimming**, in consultation with subject advisors.
- **National Assessment Circular 02** and **Circular E 11** to guide school-based assessment in phases and subjects

Principles

Principles

1. Use of the **2020 Curriculum Recovery Framework** as the **base document**
2. Learning losses inform the **Three Year Recovery Plans for School –based Assessment**
3. **Management of the learning losses and the School Based Recovery Plans**
4. Create opportunities through adjusted ATPs to strengthen **pre-knowledge, consolidation, revision, and deeper learning**
5. Entrench **Assessment for Learning** as a **Pedagogical Approach** to address the learning losses

Principles

6. The 2021 Recovery ATPs maintains the use of current LTSM and resources already available in the system.

7. Content topics removed in 2020 were not automatically returned in the 2021 Recovery ATPs.

8. Fundamental and core topics were retained in the Recovery ATPs

9. To guide and support effective teaching and learning

Underpinning Assumptions

Underpinning Assumptions

1

ASSUMPTION 1

All learners will return to school from day 1 of the 2021 academic year and norm-times as stipulated in the CAPS will be adhered to for the entire school year;

2

ASSUMPTION 2

Learning losses due to COVID-19 across grades and subjects will vary from school to school, class to class and even within classes.

3

ASSUMPTION 3

Each Teacher will have a record of learning losses and Departmental Heads and Subject Advisors will monitor progress in learning loss recovery;

Underpinning Assumptions

4

5

6

ASSUMPTION 4

All schools will develop & implement school-based support programmes for all grades/years with particular **focus on all the exit grades/years (3, 6, 9 and 12) throughout the three-year period.**

ASSUMPTION 5

All Circulars related to the 2020 ATPs including SBA to be withdrawn and revised to align to the 2021 ATPs.

ASSUMPTION 6

Schools have systems in place to manage the possibility of a second wave of the pandemic in Q1 and Q3 of the 2021

The Development of the 2021 Recovery ATPs

The Development of the 2021 Recovery ATPs

The Recovery ATPs are aligned to the:

- 2021 School calendar
- Abridged Section 4 of CAPS
- Curriculum and assessment principles as prescribed in the CAPS policy for Natural Sciences & Technology

Purpose

Purpose

- To show the **outline of the content** for this grade for 2021;
- To mediate the Recovery Annual Teaching Plan (ATP) and the School Based Assessment for Natural Sciences & Technology, Grade 6 **for implementation in January 2021 as stipulated in Circular S11 of 2020.**
- To ensure **meaningful teaching and learning for 2021** against the backdrop of the 2020 circumstances occasioned by the Coronavirus;
- To enable teachers to **bridge missed** content - skills, knowledge, values, and attitudes - from previous grades and covering content for the current grade;

Content Overview for the Phase

CONTENT OVERVIEW FOR THE PHASE

NATURAL SCIENCES AND TECHNOLOGY			
Term	**Grade 4**	**Grade 5**	**Grade 6**
1	• Living and non-living things • Structure of plants and animals • What plants need to grow • Habitats of animals • Structures for animal shelters	• Plants and animals on Earth • Animal skeletons • Skeletons as structures • Food chains • Life Cycles	• Photosynthesis • Nutrients in food • Nutrition • Food chains (Grade 5) • Ecosystems and Food webs
2	• Materials around us • Solid materials • Strengthening Materials • Strong Frame Structures	• Materials around us (Grade 4) • Metals and non-metals • Uses of Metals • Processing materials • Processed materials	• Solids, Liquids and gases • Mixtures • Solutions as special mixtures • Dissolving • Mixtures and water resources • Processes to purify water

CONTENT OVERVIEW FOR THE PHASE

NATURAL SCIENCES AND TECHNOLOGY

Term	Grade 4	Grade 5	Grade 6
3	• Energy and Energy Transfer • Energy around us • Movement and Energy in a system • Energy and Sound	• Energy and Energy transfer • (Grade 4) • Energy Around us (Grade 4) • Stored energy in fuels • Energy and electricity • Energy and movement	• Electric circuits • Electric conductors and insulators • Systems to solve problems • Mains Electricity
4	• Planet Earth • The Sun • The Earth and the Sun • The Moon • Rocket Systems	• The Sun (Grade 4) • The Moon (Grade 4) • Planet Earth • Surface of the Earth • Sedimentary rocks • Fossils	• The solar system • Movements of the Earth and planets • The movement of the Moon • Systems for looking into space • Systems to explore the Moon and Mars

Summary: Content/Topics Amended

SUMMARY: CONTENT/TOPICS AMENDED

Content/Topics	Term	Amendment
• Photosynthesis	1	Increased time
• Nutrients in food	1	Retained
• Nutrition	1	Retained
• Food chains (*Grade 5*)	1	Recovered from Grade 5
• Food processing	1	Removed
• Ecosystems and Food webs	1	Retained
• Solids, Liquids and gases	2	Increased time
• Mixtures	2	Retained
• Solutions as special mixtures	2	Retained
• Dissolving	2	Retained
• Mixtures and water resources	2	Retained
• Processes to purify water	2	Reduced time

SUMMARY: CONTENT/TOPICS AMENDED

Content/Topics	Term	Amendment
Electric circuits	3	Retained
Electrical conductors and insulators	3	Retained
Systems to solve problems	3	Retained
Mains electricity	3	Retained
The Solar System	4	Retained
Movements of the Earth, Planets and the Moon	4	Retained
Systems for looking into space	4	Retained
Systems to explore the Moon and Mars	4	Retained

Amendments to the Annual Teaching Plan

Amendments to the Annual Teaching Plan

- The Recovery ATP for Natural Sciences & Technology has the **same content as in CAPS**, however, this content has been arranged as follows:
  - Some topics have been **cut out completely**;
  - Content in some topics has been **reduced**;
  - Some topics have been **brought back**;
  - Time for some topics has been increased;
- *Planet Earth and Beyond* content has been **brought back**;
- **Textbooks** can be used as they are, but noting the omitted content in the Recovery ATP for Natural Sciences & Technology;
- Each grade has to have **textbooks for both the current and the previous grade where applicable.**

Summary: Programme of Assessment

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- **Both formal and informal assessment** should continue as normal, and as stated in the *Revised Section 4 of the Natural Sciences & Technology CAPS*;
- The development of **Science Process Skills** is key to the teaching and learning of the subject;
- **Recording** of informal assessment is left to the discretion of the teacher;
- Learners should **read** and **write regularly** to develop **language** skills as well;

Summary: Programme of Assessment

The 2021 formal assessment tasks for Grade 6 are as follows:

TERM 1	TERM 2	TERM 3	TERM 4
• Practical Task/ Investigation: 20 marks • Test: 40 marks	• Practical Task/ Investigation: 20 marks • Test: 60 marks	• Practical Task/ Investigation: 20 marks • Test: 40 marks	• Test: 60 marks

- For further details on **Weighting** please refer to the *Abridged Section 4* document

Summary: Programme of Assessment

The 2021 formal assessment tasks for Grade 6 are as follows:

	Term 1		Term 2		Term 3		Term 4
Form of Assessment	Practical Task/ Investigation (40%)	Test (60%)	Practical Task/ Investigation (40%)	Examination/ Test (60%)	Practical Task/ Investigation (40%)	Test (60%)	Examination/ Test
Minimum Marks	20	40	20	60	20	40	60
SBA Weighting	12%	%	%		%	%	
Exam Weighting				%			%
Content and skills focus	Term 1	Term 1	Term 2	Term 1 (40%) Term 2 (60%)	Term 3	Term 3	Term 3 (60%) Term 4 (40%)
No. of Tasks	2		2		2		1

Contact details

Contact Details

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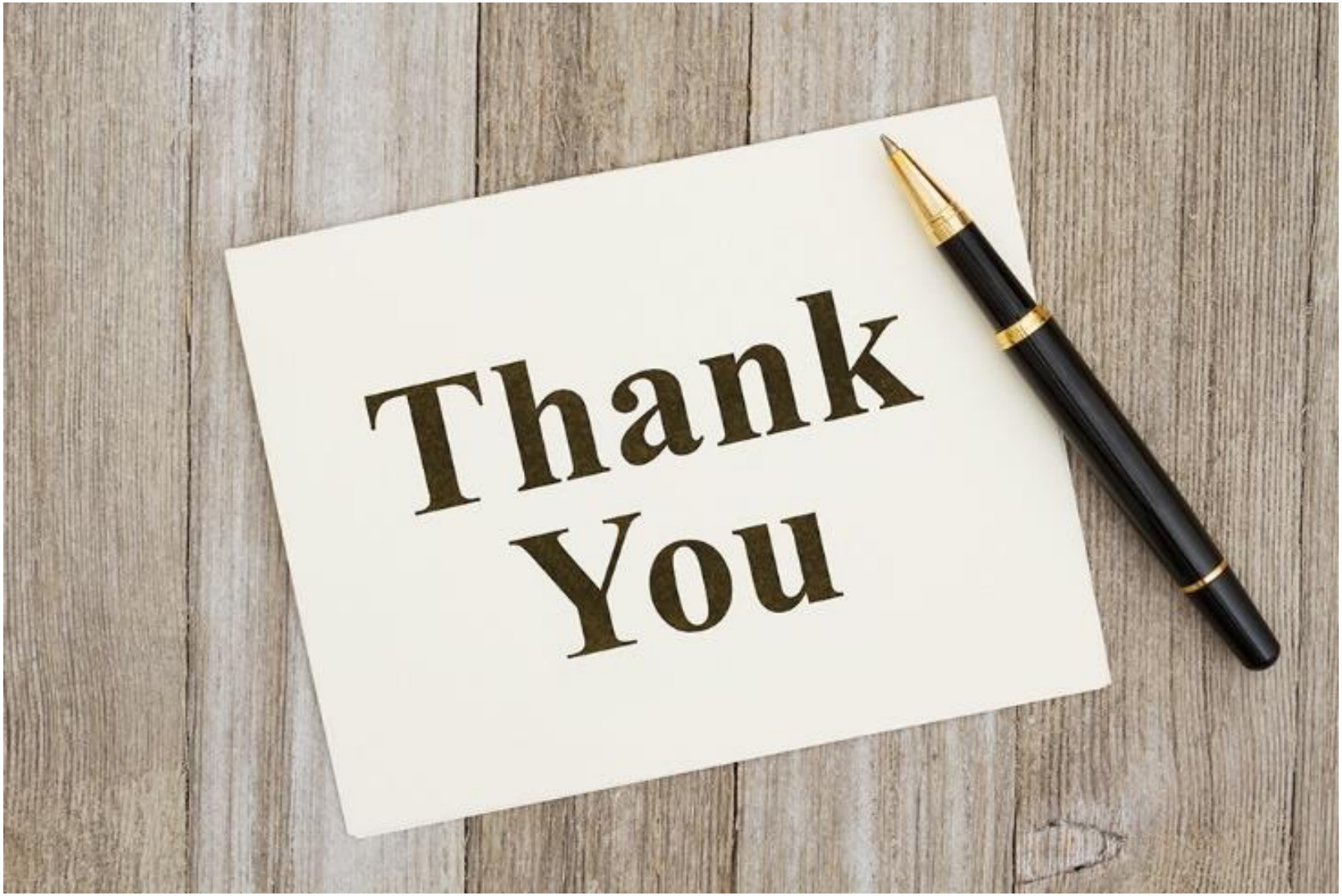
Thank
You