

2020 REVISED CURRICULUM AND ASSESSMENT PLANS

NATURAL SCIENCES

GRADE 9

Implementation: June 2020



PRESENTATION OUTLINE

1. Purpose
2. Amendments to the Content Overview for the Phase;
3. Amendments to the Annual Teaching Plan;
4. Amendments to School Based Assessment (SBA)
5. Conclusion



PURPOSE

- To mediate the amendments of the trimmed and re-organised 2020 Annual Teaching Plan including School Based Assessment for **Natural Sciences Grade 9** for implementation in June 2020 as stipulated in **Circular S2 of 2020**.
- To ensure that **meaningful teaching proceeds** during the remaining teaching time as per the revised school calendar.
- To assist teachers with **guided pacing and sequencing** of curriculum content and assessment.

Amendments to the Content Overview for the Phase

CONTENT OVERVIEW FOR THE PHASE

NATURAL SCIENCES

Term	Grade 7	Grade 8	Grade 9
1	<ul style="list-style-type: none"> • The biosphere • Biodiversity • Sexual Reproduction • Variation 	<ul style="list-style-type: none"> • Photosynthesis and respiration • Interactions and interdependence within the environment • Micro-organisms 	<ul style="list-style-type: none"> • Cells as the basic units of life • Systems in the human body • Human reproduction • Circulatory and respiratory systems • Digestive system
2	<ul style="list-style-type: none"> • Properties of materials • Separating mixtures • Acids, bases and neutrals • Introduction to the Periodic Table of Elements 	<ul style="list-style-type: none"> • Atoms 	<ul style="list-style-type: none"> • Compounds • Chemical reactions
	<ul style="list-style-type: none"> • Sources of Energy • Potential & Kinetic energy • Heat Transfer • Insulation & energy saving 	<ul style="list-style-type: none"> • Atoms • Particle model of matter • Static electricity 	<ul style="list-style-type: none"> • Reactions of metals with oxygen • Reactions of non-metals with oxygen • Acids & bases and pH

AMENDMENTS TO THE CONTENT OVERVIEW FOR THE PHASE

- The Revised Natural Sciences ATP has the **same content as in CAPS**;
- Content in some topics has been **reduced**; and some topics have been **cut out completely**;
- In Grades 8 and 9 *Planet Earth and Beyond* has been **removed** completely;
- The remaining **content is sufficient** for learners to be able to choose Physical Sciences in the FET Phase;
- In Grades 8 and 9 some *Knowledge Strands* **straddle across terms**;
- **Textbooks** can be used as they are, but noting the omitted content in the Revised Natural Sciences ATP.



SUMMARY: CONTENT/TOPICS AMENDED

Content/Topics	Terms	Amendment
Compounds	2	Retained
Chemical reactions	2	Retained
Reactions of metals and non-metals with oxygen	3	Reduced
Acids & bases and pH value	3	Retained
Reactions of acids with bases: Part I – Part III	3	Reduced
Reactions of acids with metals	-	Removed
Forces	3	Retained
Electric cells as energy systems	4	Retained
Resistance	4	Retained
Series and parallel circuits	4	Retained
Safety with electricity	4	Retained
Energy and the national electricity grid	4	Retained
Cost of electrical power	4	Retained
Planet Earth and Beyond (<i>Knowledge Strand</i>)	-	Removed

INFORMAL ASSESSMENT

- **Informal assessment** should continue as normal, and as stated in the Revised Natural Sciences ATP, which is no different from CAPS;
- At every opportunity, **Science Process Skills** should be developed and assessed in 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;



Amendments School Based Assessment (SBA)

SUMMARY: REVISED PROGRAMME OF ASSESSMENT

Term 1	Term 3	Term 4
Assessment tasks administered and reported on.	Test on: <ul style="list-style-type: none">• Matter and Materials, and• Energy and Change	Test with the following distribution: <ul style="list-style-type: none">• Matter and Materials (40%)• Energy and Change (60%)



Contact Details

Name: CES: Mr S Qanya

Department of Basic Education

Tel: 012 357 4139

Email: Qanya.S@dbe.gov.za



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