

Every child is a National Asset

2020 REVISED CURRICULUM AND ASSESSMENT PLANS

NATURAL SCIENCES GRADE 8

Implementation: June 2020



basic education
Department:
Basic Education
REPUBLIC OF SOUTH AFRICA



Read to Lead
A Reading Nation is a Leading Nation

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

1. Purpose

- To mediate the amendments of the trimmed and re-organised 2020 Annual Teaching Plan including School Based Assessment for **Grade 8, Natural Sciences** 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 |
|--|-------|-----------|
| Atoms | 2 | Reduced |
| Particle model of matter | 3 | Retained |
| Chemical reactions | - | Removed |
| Static electricity | 3 | Retained |
| Energy transfer in electrical Systems | 4 | Retained |
| Series and parallel circuits | 4 | Reduced |
| Visible light | 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%) |

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THANK
YOU

