

INDEX

1 Work schedule

- 1.1 Term 1
 - 1.1.1 Mechanics
 - 1.1.2 Matter and materials
 - 1.1.3 Waves, sound and light
- 1.2 Term 2
 - 1.2.1 Waves, sound and light
 - 1.2.2 Matter and materials
 - 1.2.3 Chemical change
- 1.3 Term 3
 - 1.3.1 Electricity and magnetism
 - 1.3.2 Chemical change
- 1.4 Term 4
 - 1.4.1 Chemical change
 - 1.4.2 Chemical systems
- 1.5 Weighting of topics – teaching time
- 1.6 Calendar with work schedule

2 Assessment

- 2.1 Formal assessment
 - 2.1.1 Practical work
 - 2.1.2 Control tests and examination
- 2.2 Informal assessment
- 2.3 Weighting of assessment and year marks
- 2.4 Recording and reporting
- 2.5 Moderation
- 2.6 Processing of marks
- 2.7 Scientific report

3 Lesson plans

Term 1

Lesson plan 1 – 3 (Physics)

Lesson plan 4 – 5 (Chemistry – in Chemistry Preparation File)

Lesson plan 6 (Physics)

Term 2

Lesson plan 7 – 8 (Physics)

Lesson plan 9 – 10 (Chemistry – in Chemistry Preparation File)

Term 3

Lesson plan 11 – 13 (Physics)

Lesson plan 14 – 16 (Chemistry – in Chemistry Preparation File)

Term 4

Lesson plan 17 – 20 (Chemistry – in Chemistry Preparation File)

4 Reports

- 4.1 Mark sheet for Physical Sciences
- 4.2 Mark sheet for school
- 4.3 Mark distribution
- 4.4 School moderation
- 4.5 Cluster moderation

5 Masters for transparencies

- 5.1 Knowledge area: Mechanics
- 5.2 Knowledge area: Waves, sound and light
- 5.3 Knowledge area: Electricity and magnetism

6 Assessment tasks

- 6.1 Formal assessment
- 6.2 Informal assessment
- 6.3 Rubric


7 Portfolio: Learner

- 7.1 Cover page
- 7.2 Index
- 7.3 Statement
- 7.4 Mark sheet and moderation
- 7.5 Term 1
- 7.6 Term 2
- 7.7 Term 3


8 Portfolio: Teacher

- 8.1 Mark sheet
- 8.2 School and cluster moderation
- 8.3 Term 1
- 8.4 Term 2
- 8.5 Term 3

9 CAPS document



Experiments do not have an investigative question or a hypothesis. However, throughout the Doc Scientia textbooks and workbooks, we ask for an investigative question and a hypothesis. This is done so learners can practise the formulation thereof since it is usually examined in tests and examinations.



Equations of motion calculate the vectors, viz velocity and displacement.

This means that if the speed or distance must be calculated using equations of motions, an answer sentence must be used to interpret the answers which are vectors.

E.g. if $v_f = 3 \text{ m}\cdot\text{s}^{-1}$,
then the speed is $3 \text{ m}\cdot\text{s}^{-1}$.