



basic education

Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

MULTI-GRADE TEACHING ANNUAL TEACHING PLAN SUBJECT: Natural Sciences

Grade 7

TERM 1: Life and Living	
WEEKS	TOPICS AND CONTENT
1 and 2	The biosphere <ul style="list-style-type: none">• The concept of the biosphere• Requirements for sustaining life Biodiversity <ul style="list-style-type: none">• Classification of living things
3 and 4	Biodiversity <ul style="list-style-type: none">• Diversity of animals• Diversity of plants
5 and 6	Sexual Reproduction <ul style="list-style-type: none">• Sexual Reproduction in Angiosperms• Human Reproduction
7 and 8	Sexual Reproduction (<i>Continued</i>) <ul style="list-style-type: none">• Human Reproduction Variation <ul style="list-style-type: none">• Variations exists within a species
Informal assessment; remediation	
SBA (Formal Assessment)	<ul style="list-style-type: none">• Practical task / Investigation• Test

TERM 2: Matter and Materials	
WEEKS	TOPICS AND CONTENT
1 & 2	Solids, liquids and gases <ul style="list-style-type: none">• Arrangements of particles Properties of materials

	<ul style="list-style-type: none"> Physical Properties of materials <ul style="list-style-type: none"> Boiling and melting points Electrical conductivity Heat conductivity
3 & 4	<p>Solution as a special mixture</p> <ul style="list-style-type: none"> Solutions Soluble substances Insoluble substances <p>Dissolving</p> <ul style="list-style-type: none"> Rates of dissolving
5 & 6	<p>Separating mixtures</p> <ul style="list-style-type: none"> Mixtures Methods of physical separation Sorting and recycling materials
7 & 8	<p>Acids, bases and neutrals</p> <ul style="list-style-type: none"> Tastes of substances Properties of acids, bases and neutrals Acid-base indicators
Informal assessment; remediation	
SBA (Formal Assessment)	<ul style="list-style-type: none"> Practical task / Investigation Test

TERM 3: Energy and Change	
WEEKS	TOPICS AND CONTENT
1 & 2	<p>Sources of energy</p> <ul style="list-style-type: none"> Renewable and non-renewable sources of energy <p>Potential and Kinetic energy</p> <ul style="list-style-type: none"> Potential energy Kinetic energy
3 & 4	<p>Potential and Kinetic energy</p> <ul style="list-style-type: none"> Potential and kinetic energy in systems Law of conservation of energy <p>Heat Transfer</p> <ul style="list-style-type: none"> Heating as a transfer of energy Conduction Convection Radiation

5 & 6	Electric circuits <u>AND</u> Electrical conductors and Insulators <ul style="list-style-type: none"> • A simple circuit • Circuit diagram • Conductors • Insulators
7 & 8	Insulation and energy saving <ul style="list-style-type: none"> • Using insulating materials Energy transfer to surroundings <ul style="list-style-type: none"> • Useful and 'wasted'
Informal assessment; remediation	
SBA (Formal Assessment)	<ul style="list-style-type: none"> • Project • Test

TERM 4: Planet Earth and Beyond	
WEEKS	TOPICS AND CONTENT
1 & 2	The Solar System <ul style="list-style-type: none"> • The Sun, Planets and Asteroids • Moons Movements of the Earth and planets <ul style="list-style-type: none"> • Rotation (Earth) • Revolution (Earth)
3 & 4	Relationship of the Sun to the Earth <ul style="list-style-type: none"> • Solar energy and the Earth's seasons • Solar energy and life on Earth • Stored solar energy
5 & 6	The movement of the Moon <ul style="list-style-type: none"> • Rotation (Moon) • Revolution (Moon) Relationship of the Moon to the Earth <ul style="list-style-type: none"> • Relative positions • Gravity • Tides
Informal assessment; remediation	

SBA (Formal Assessment)	<ul style="list-style-type: none"><li data-bbox="609 220 698 252">• Test
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