



basic education

Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

MULTI-GRADE TEACHING ANNUAL TEACHING PLAN

SUBJECT: Natural Sciences and Technology

TERM 1			
	TOPICS AND CONTENT		
WEEKS	GRADE 4:	GRADE 5	GRADE 6
1 and 2	Living and non-living things <ul style="list-style-type: none">• Living things• Non-living things Habitats of animals <ul style="list-style-type: none">• Different habitats• Need for a habitat	Food chains <ul style="list-style-type: none">• Food and feeding Plants and animals on Earth <ul style="list-style-type: none">• Many different plants and animals• Inter-dependence• Animal types	Food chains <ul style="list-style-type: none">• Food and feeding Photosynthesis <ul style="list-style-type: none">• Plants and food• Plants and air Ecosystems and Food webs <ul style="list-style-type: none">• Living and non-living things in ecosystems• Food webs
3 and 4	What plants need to grow <ul style="list-style-type: none">• Conditions for growth	Life cycles <ul style="list-style-type: none">• Growth and development	Life Cycles <ul style="list-style-type: none">• Growth and development Ecosystems and Food webs <ul style="list-style-type: none">• Different Ecosystems
5 and 6	Structures of plants and animals	Animal skeletons	Nutrients in food <ul style="list-style-type: none">• Food groups

	<ul style="list-style-type: none"> • Structure of plants • Structure of animals 	<ul style="list-style-type: none"> • Skeletons of vertebrates • Movement 	
7 and 8	Structures for animal shelters <ul style="list-style-type: none"> • Animal shelters 	Skeletons as structures <ul style="list-style-type: none"> • Frame and shell structures 	Nutrition <ul style="list-style-type: none"> • Balanced diet
Informal assessment; remediation			
SBA (Formal Assessment)	<ul style="list-style-type: none"> • Practical task / Investigation • Test 		

TERM 2			
TOPICS AND CONTENT			
WEEKS	GRADE 4:	GRADE 5	GRADE 6
1 & 2	Materials around us <ul style="list-style-type: none"> • Solids; Liquids & Gases • Change of state • The water cycle Solid materials <ul style="list-style-type: none"> • Raw and manufactured materials • Properties of materials 	Materials around us <ul style="list-style-type: none"> • Solids; Liquids & Gases • Change of state • The water cycle Solid materials <ul style="list-style-type: none"> • Raw and manufactured materials • Properties of materials Metals and non-metals <ul style="list-style-type: none"> • Properties of metals • Properties of non-metals 	Solids, liquids and gases <ul style="list-style-type: none"> • Arrangement of particles Mixtures <ul style="list-style-type: none"> • Mixtures of materials
3 & 4	Solid materials <ul style="list-style-type: none"> • Raw and manufactured materials • Properties of materials 	Uses of metals <ul style="list-style-type: none"> • Other properties of metals • Uses of metals 	Mixtures (continued...) <ul style="list-style-type: none"> • Mixtures of materials

			Solutions as special mixtures <ul style="list-style-type: none"> • Solutions • Soluble substances • Saturated solutions • Insoluble substances
5 & 6	Strengthening materials <ul style="list-style-type: none"> • Ways of strengthening materials 	Processing materials <ul style="list-style-type: none"> • Combining materials 	Dissolving <ul style="list-style-type: none"> • Rates of dissolving
7 & 8	Strong frame structures <ul style="list-style-type: none"> • Struts & Frame Structures • Indigenous Structures 	Processed materials <ul style="list-style-type: none"> • Properties and uses 	Mixtures and water resources <ul style="list-style-type: none"> • Water pollution • Importance of wetlands Processes to purify water <ul style="list-style-type: none"> • Clean water
Informal assessment; remediation			
SBA (Formal Assessment)	<ul style="list-style-type: none"> • Practical task / Investigation • Test 		

TERM 3			
TOPICS AND CONTENT			
WEEKS	GRADE 4:	GRADE 5	GRADE 6
1 & 2	Energy and energy transfer <ul style="list-style-type: none"> • Energy for life • Energy from the Sun 	Energy and energy transfer <ul style="list-style-type: none"> • Energy for life • Energy from the Sun Stored energy in fuels <ul style="list-style-type: none"> • Fuels 	Mains electricity <ul style="list-style-type: none"> • Fossil fuels and electricity

		<ul style="list-style-type: none"> • Burning fuels • Safety with fire 	
3 & 4	Energy around us <ul style="list-style-type: none"> • Energy • Input and output energy 	Energy around us <ul style="list-style-type: none"> • Energy • Input and output energy Energy and electricity <ul style="list-style-type: none"> • Cells and batteries • Mains electricity • Safety with electricity 	Electric circuits <ul style="list-style-type: none"> • A simple circuit • Circuit diagrams Mains electricity <ul style="list-style-type: none"> • Cost of electricity • Renewable ways to generate electricity
5 & 6	Movement and energy in a system <ul style="list-style-type: none"> • Movement & Musical Instruments 	Energy and movement <ul style="list-style-type: none"> • Elastic and springs 	Electrical conductors and insulators <ul style="list-style-type: none"> • Conductors • Insulators Systems to solve problems <ul style="list-style-type: none"> • Using electric circuits
7 & 8	Energy and sound <ul style="list-style-type: none"> • Vibrations and sound • Making sounds • Noise pollution 		Systems to solve problems (continued...) <ul style="list-style-type: none"> • Using electric circuits
Informal assessment; remediation			
SBA (Formal Assessment)	<ul style="list-style-type: none"> • Practical task / Investigation • Test 		

TOPICS AND CONTENT			
WEEKS	GRADE 4:	GRADE 5	GRADE 6
1 & 2	The Earth and the Sun <ul style="list-style-type: none"> • Moving around the Sun • The Sun and Life 	The Earth and the Sun <ul style="list-style-type: none"> • Moving around the Sun • The Sun and Life 	Movements of the Earth and planets <ul style="list-style-type: none"> • Rotation (Earth) • Revolution (Earth) The movement of the Moon <ul style="list-style-type: none"> • Rotation (Moon) • Revolution (Moon) The Solar System <ul style="list-style-type: none"> • The Sun, Planets and Asteroids • Moons
3 & 4	The Moon <ul style="list-style-type: none"> • Features of the Moon • Phases of the Moon • Moon Stories 	The Moon <ul style="list-style-type: none"> • Features of the Moon • Phases of the Moon • Moon stories Surface of the Earth <ul style="list-style-type: none"> • Rocks • Soil comes from rocks • Soil types Sedimentary rocks <ul style="list-style-type: none"> • Formation of sedimentary rock • Uses of sedimentary rock 	The Solar System (Continued...) <ul style="list-style-type: none"> • The Sun, Planets and Asteroids • Moons Systems for looking into space <ul style="list-style-type: none"> • Telescopes
5 & 6	Rocket systems <ul style="list-style-type: none"> • Modelling of a Rocket 	Fossils <ul style="list-style-type: none"> • Fossils in rock • Body and trace fossils • Importance of South African 	Systems to explore the Moon and Mars <ul style="list-style-type: none"> • Vehicles used on the Moon • Vehicles used on Mars

		fossils	
Informal assessment; remediation			
SBA (Formal Assessment)	• Test		