



basic education

Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

**MTbBE 2025
GRADE 4 NATURAL SCIENCES & TECHNOLOGY: ISIXHOSA
MARKING GUIDELINES
END OF YEAR**

Imigaqo yokumakisha ngokubanzi

1. Inqaku linye ngempendulo.
2. Asinayo ihafu yenqaku.
3. Phawula (✓) impendulo echanekileyo kuphela ze ukrwelele umgca ngaphantsi kwengachanekanga.

This marking guideline consists of 4 pages.

ICANDELO A

Inani	Ipendulo elindelekileyo	
1.1.	B	✓
1.2.	C	✓
1.3.	B	✓
1.4.	C	✓
1.5.	C	✓
1.6.	B	✓
1.7.	D	✓
1.8.	B	✓
1.9.	D	✓
1.10.	A	✓
1.11.	A	✓
1.12.	B	✓
1.13.	B	✓

Inani	Ipendulo elindelekileyo	
1.14	B	✓
1.15	C	✓

No.	Expected answer	Clarification	Mark
1.16	Itsheyina le-eneji Energy chain ✓ Okanye leneji yogqithiselo Energy transfer Okanye leneji flowu Energy flow	Inqaku elinye ngempendulo echanekileyo	1
1.17	ILanga The Sun ✓	Inqaku elinye ngempendulo echanekileyo	1
1.18	Sosi Source ✓	Inqaku elinye ngempendulo echanekileyo	1
1.19	(a) Ingca (b) I-impala (a) Grass (b) Impala ✓	Inqaku elinye xa itsheyini lilungelelanisiwe	1
1.20.1	(a) leneji yobushushu heat energy ✓	Inqaku elinye ngempendulo echanekileyo	1
1.20.2	Zininzi iiaplayensi ezivelisa ubushushu ngaphezu kwezinye. There are more appliances producing heat than any other. ✓	Inqaku elinye ngokuqatshelweyo	1
1.21	Ngokubetha umpezulu wemarimba nge ntonga ezisemfanekisweni. By beating ✓	Inqaku elinye ngempendulo echanekileyo	1
1.22	Yifleyiti Flute ✓	Inqaku elinye ngo-esalemihla	1
1.23	A. IAFrika/Africa ✓ B. Umntla Melika/North America ✓	Inqaku elinye ngempendulo nganye	2
1.24.1	2 ✓	Inqaku elinye ngempendulo echanekileyo	1
1.24.2	3 ✓	Inqaku elinye ngempendulo echanekileyo	1
1.25	<ul style="list-style-type: none"> • Inyanga yibhola yelitye kwiSpace ✓ • Okanye • Akukho moya namanzi enyangeni • Okanye • likhreyitha • The moon is a ball of rock in space ✓ • Or • There is no air and water on the moon • Or • Craters 	Inqaku linye nokuba kukweyiphi kwezi zidwelisiweyo	1

No.	Expected answer	Clarification	Mark
1.26.1	Zazibaleka ukutshiswa liLanga ✓ Zazingenakumelana nobushushu beLanga They did not want to be burnt by the Sun They were avoiding the Sun's heat They could not stand the Sun's heat. (Indigenous knowledge)✓ Or Ilanga liqaqambile kuneenkwenkwezi/ The sun is brighter than the stars. (Scientific fact)	Inqaku elinye ngempendulo echanekileyo	1
1.26.2	Ilanga liqaqambile kuneenkwenkwezi/ ILanga liqaqambe kakhulu kune nkwenkwezi yenze lonto ukuba zingabonakali. The Sun is too bright than other stars. Okanye Isibhakabhaka siluhlaza kakhulu The sky is too blue	Inqaku elinye ngempendulo echanekileyo	1
1.27	B. Ixilongo/ Trumpet✓	Inqaku elinye ngempendulo echanekileyo Yamkele isimboli u B	1

SECTION B

No.	Expected answer
2.1	C ✓
2.2	C ✓
2.3	D ✓

No.	Expected answer	Rationale/Clarification	Mark
2.4	Isixhobo somculo somoya/ Wind instruments ✓	1 mark for the correct answer Do not accept 'wind' as an answer	1
2.5.1	Ibhotile 1/ ✓ Ibhotile enawona manzi amaninzi Bottle 1/ Bottle with the most amount of water. ✓	1 mark for the correctly identified bottle.	1

No.	Expected answer	Rationale/Clarification	Mark
2.5.2	Umoya omncinci ebhotileni okanye lintshukumo ziyacotha okanye Ibhotile enawona manzi amaninzi Less air in the bottle✓ or Vibrations are slower or Bottle with the most amount of water	1 mark for the correct reason.	1
2.6	Irokethi yisitim esetyenziselwa ukuprophela izithuthi emajukujukwini. okanye Irokethi ngumatshini ohamba ngokutyhalela ngaphandle iigesi ngokukhawuleza kakhulu kwelinye icala A rocket is system used to propel vehicles into space.✓ or A rocket is a machine that moves by pushing out gases very fast in the opposite direction.	1 mark for the correct answer	1
2.7	a) Umthamo womoya ongaphakathi kwibhaluni – umoya omninzi unokuwenza ukuba iye phambili kwaye ngokukhawuleza. b) Ubungakanani kunye nokumila kwebhaluni – ezi zitshintsha indlela otyhala ngayo umoya kwaye zichaphazela indlela irokethi ehamba ngayo. okanye igrediyenti yomjelo webhaloni okanye kwicala oya kulo umoya okanye ubushushu bomoya ongaphakathi kwibhaloni okanye ubushushu be atmosfiye ejikeleze ibhaloni a) The amount of air inside the balloon ✓ – more air can make it go further and faster. b) The size and shape of the balloon ✓ – these changes how the air pushes out and affects how the rocket moves. or The gradient of the path of the balloon or The direction of the wind or The temperature of the air inside the balloon or The temperature of the atmosphere around the balloon	2 marks for if both correct factors are provided. 1 mark for one correct factor is provided.	2

AMANQAKU EWONKE: [40]