

Terminology from Grade 4 CAPS and Workbooks

Natural Sciences and Technology

NB: *In all instances, the English entries should be understood to assume their verb form meanings, and thus translates as such to other languages.*

No.	English	Tshivenda	Xitsonga
1.	absorb	tswonzwa	tswonga
2.	absorbent	tshinweledzi	xitswongi
3.	acacia	muunga muakhashia	akhaxiya
4.	access(verb)	swikela	ku fikelela
5.	adapt	ḡowela ḡowedza	ku titoloveta
6.	aim	ndivho	xikongomelo
7.	air	muya	moya
8.	air pollution	tshikafhadzo ya mufhe	nthyakiso wa moya
9.	amphibian	tshi tshilaho maḡini na	amfibiya

		shangoni tsha amifibia tsha amfibia	
10.	animal	tshipuka	xiharhi
11.	ant	sunzi lusunzi tsunzi	risokoti
12.	apparatus	tshishumiswa	xitirhisiwa
13.	aquarium	akhwariamamu	akhwariyamamu
14.	arm	mukonzwo tshishasha	voko
15.	asparagus	asparagasi	asiparagasi
16.	assemble	kuvhanganya fhata kwea tuma	hlengeleta
17.	attract	kunga kokodza	kungana
18.	autumn	tshifhefho	xixikana
19.	baboon	pfene	mfenhe

20.	baby	nwana	n'wana
21.	backbone	mutodo	xitiyanhlana
22.	bar(iron rod)	baa	bara
23.	basil	baizili	riby era basili
24.	bat	nyamulemalema mulemalema	mangadyana
25.	beak	mulomo wa tshinoni	nomu wa nyanyana
26.	beam(structure)	bimu balaga tshiaramo	bimi/ ntambeko
27.	bean	nawa	nyawa
28.	bear	kondelela tshivhingwi	berhe
29.	beaver	biva	kondlo
30.	bee	notshi	nyoxi
31.	bend	kotama peta kotha govhea	petsa
32.	bilharzia	mutambuambu	mixixitongati

		muṭamboṭambo tshifunga bilihazia bilhazia baḷazia	
33.	bird	tshinoni	nyanyana
34.	blackjack	mushidzhi	muxiji
35.	blood	malofha	ngati
36.	blood vessel	tsinga dza malofha	nsiha wa ngati
37.	blow	vhudzula vhudzedza fhefheḁa fhodzisa fumula	pfurhetela
38.	blue crane	muolori	ntsavila
39.	body	muvhili	miri
40.	boil(verb)	vhilisa	virisa
41.	bolt	baudu	bawuti
42.	bone	shambo	rhambu
43.	borehole	gwedzho	xibababa

		bidzi	
44.	boulder	mvumi tombo ḵihulwane	ribye/ bolidara
45.	brace (noun)	tshitumi	bureyisi
46.	branch	davhi	rhavi
47.	breath	mufemo	hefemula
48.	breathe	fema	ku hefemula
49.	bridge	buroho	buloho
50.	brood	zwibebwa alamela	ntlhambi
51.	brown	buraweni	buraweni
52.	bud	khufhi	ku hluka
53.	buffalo	ṅari	nyarhi
54.	build	fhaṭa	aka
55.	building	tshifhaṭo	muako
56.	bull	mboho	nkuzi
57.	bullfrog	ḍemeḍu	khutla
58.	burn	fhisā	hisa

59.	burrow	mulindi	mugodi
60.	bush	ḁaka	xihlahla
61.	butterfly	tshisusu	phaphatana
62.	buzzard	alamela	gama
63.	cage	hoko	hoko
64.	calf	ḁamana	rhole
65.	camel	gamela	kamela
66.	camouflage(verb)	kanganyisa	ku titumbeta
67.	carbon dioxide	gesepfuḁi	moyakhubu
68.	carrot	kherotsi	kheroto
69.	cartilage	ḁikwakwa ḁizheuzheu	nxorhoxoho
70.	cat	tshimange	ximanga
71.	caterpillar	shonzha tshivhungu	khataphila / xivungu
72.	cave	bako	baku
73.	centimetre	senthimitha	sentimitara
74.	centipede	luvhenzhelele	sukumbela

75.	chain	thevhekano tshaini	nketana
76.	chameleon	luaviavi	rimpfani
77.	characteristic	mbonalo zwiṭaluli	swihlawulekisi
78.	cheetah	didingwe	xinkakaka
79.	chemical	khemikhaḷa	khemikhali
80.	chest	khana	xifuva
81.	chimpanzee	tshimpanzi	mfenhe
82.	circular	zwa tshitendeledzi tshitendele	xirhendzevutana
83.	clamp(noun)	tshimanyo tshiganedzi	ximanyiso/ manyisa
84.	classify	khethekanya	tlawahata
85.	claw(animal)	nḷala ya tshipuka	minwala ya xiharhi
86.	clay	vumba	vumba
87.	cliff	luwa	riwa
88.	climate	kilima	ku cinca ka maxelo
89.	cloud	gole	papa

90.	coal	malasha	malahla
91.	colony	kholoni	xisaka xa masokoti
92.	column	kholomu thikho phuphu	<i>kholumu</i>
93.	compare	vhambedza	fananisa
94.	compost	manyoro mupfudzethukhwi pfudzethukhwi	<i>manyoro</i>
95.	compression	mupyanyeledzo mukwanyeledzo mugadeledzo	ntsongohato / ku gandla
96.	condition	nyimele nzulele	xiyimo
97.	connector	tshitumanyi tshitumi	xihlanganisi
98.	constraint	tshiiledzi tshikhakhisi tshithivheli	xipimelo
99.	construct	fhaṭa	ku aka

		vhumba	
100	crane	khreini khireini	xitlakulandzhwalo
101	cricket	thonono	thonono
102	crocodile	ngwen̄a	ngwenya
103	cycle	mutevhe _x thandu seke _x le	ndzhendzeleko
104	cylinder	silinda	silindara
105	design	nyolo dizaini muolo makolo	dizayini
106	develop	bveledza	ndlandlamuxa
107	diagram	nyolo daigiramu dayagramu	dayagiramu
108	diarrhoea	mushuluwo	nchuluko
109	difference	tsala phambano	ku hambana
110	discover	tumbula	ku tshubula/ ku

		wana	thumba
111	disease	vhulwadze	vuvabyi
112	distance	tshikhala vhukule	mpfhuka
113	distinguish	fhambanyisa fhambanya	hambanisa
114	domestic animal	tshifuwo	swifuwo
115	dormant	ndindedzwa domenthe	ku etlela
116	droplet	kushotha	thonsi
117	drought	gomelelo	dyondza
118	drown	nwela kothekhothe	ku nwela
119	ear	nḡevhe	ndleve
120	earthworm	lusuḡu lusiḡu	xikwa
121	edge	magumoni lumeme lukombo magumo	rigiyagiya

122	elbow	lukuḁavhavha	xikokola
123	ember	simbe	embara
124	endangered	songo tsireledzeaho	nghozini
125	energy	fulufulu	eneji/ matimba
126	environment	vhupo fhethu nzulele	mbango
127	equipment	zwishumiswa	switirhisiwa
128	estimate	anganya gaganya	<i>kumbetela</i>
129	evaluate	ṭhaṭhuvha	hlela
130	evaporate	ḁimuwa	nyukela
131	excrete	bvisa	humisa
132	experiment	maedza ḁiedza	xiperimente
133	eye	ṭo ḁṭo	tihlo
134	farm	bulasi	purasi
135	feather	muthenga	risiva

136	feed	kanzwa nea lisa zwiliwa	ku phamela
137	fertilise	nyora andedza	nonisa
138	fertiliser	manyoro	xinonisi
139	fibre	mupfemu mupfumu faiba masephenene	byewu
140	filter(verb)	tshitudi sefo mutudo filitha filithara	ku sefa
141	finger	munwe	rintiho
142	fish	khovhe	nhlampfi
143	flame	khavhu mudugudugu	langavi
144	flexible	tepaho	ku olova

		tendatenda	
145	Float(in liquid and air)	tengama papamala	papama
146	flow(liquid)	elela muelelo	khuluka
147	flower	dzuvha luvha	xiluva
148	fly	thunzi fhufha	haha
149	fold(ing)	peta	petsa
150	foot	lwayo	nkondzo
151	forest	daka deme matondo	xihlahla
152	fossil	masalela	maselela
153	fountain	tshisima	xihlovo
154	frame	muhangambwa fureme	rimba
155	fruit	mutshelo	muhandzu
156	function	mushumo	ntirho

		shuma	
157	galjoen	khovhe ya gal̥dzhuni khovhe ya gal̥idzhuni	gentle
158	gas	gese	gasi
159	germinate	mela	mirisa
160	graph	girafu grafu	girafu
161	grow	aluwa	kurisa
162	gussets	zwickwaṯhisi	gasete/ xitiyisi
163	habitat	vhudzulo haya vhukhudo vhudzumbamo	vutshamo
164	hard	konḡa oma	nonoha
165	hardness	vhuleme vhukonḡi konḡa	ku nonoha
166	hatch	thothonya	tlhotlhora
167	hawk	lurwanzhivha	xikhwezana

		ludiamaiṽha	
168	head	ṭhoho	nhloko
169	heart	mbilu	mbilu
170	heat (verb)	fḥisa	ḥisa
171	heavy	lemela	tika
172	height	vhulapfu	vulehi
173	helium	ḥilīamu	hiliyamu
174	hexagon	hekizagoni	yinhlatsevu
175	hibernate	dzumbama haibaneitha	ku tumbela hi nguva
176	hollow	koreaho	nkele
177	hoof	khwanḁa	xirhendze xa xiharhi
178	horizontal	horizonṭhaḁa vhutengu	vunavi
179	horn	luṇanga ṇanga	rimhondzo
180	identify	ṭalukanya ḁivha topola	kombisa

181	illustrate	fanyisedza sumbedza	kombisa
182	indigenous	tshapo	xidzi
183	infection	phirela	tlulela
184	insect	tshikhokhonono	xitsotswana
185	instrument	tshishumiswa	xitirhisiwa
186	invertebrate	tshayamuṭodo shayamuṭodo	kala longo
187	investigate	sedzulusa sengulusa ṭodisisa	lavisisa
188	investigation	tsedzuluso ṭhodisiso tsenguludzo	ndzavisiso
189	invisible	zwi sa vhonali	nga vonaki
190	irrigate	sheledza	cheleta
191	jaw	luṭaha	rihlaya
192	kidney	tswio	yinsu
193	knee	gona	tsolo

194	label	dzhenisa leibela leibele leibulu	thyana
195	lake	isha	tiva
196	land	shango mavu kivha	tiko/ misava
197	leaf	tari	tluka
198	leather	mukumba	dzovo
199	leg	mulenzhe	nenge
200	length	vhulapfu	vulehi
201	life	vhutshilo	vutomi
202	life cycle	mutevhetshandu wa vhutshiilo sekele ya vhutshilo	ndzhendzeleko wa vutomi
203	life process	maitele a vhutshilo	endlelo ra vutomi
204	light	tshedza	ku vonakala
205	limb	murado tshanda	xirho

		mulenzhe	
206	liquid	tshiludi	xihalaki
207	live	hanya tshila	hanya
208	living	zwi tshilaho	ku hanya
209	lung	fhafhu	hawu
210	make	ita mbonalo	endla
211	malaria	dali	dari
212	mammal	tshi mamaho	ximamisi/ xian'wisi
213	manufacture	maga	tumbuluxa
214	manure	mupfudze muudela manyoro	quva
215	mass	tshileme vhunzhi	ntiko
216	mate	dzea dia gomba hwela	nkundzana (nhlamba)

217	material	tshishumiswa	switirhisiwa
218	matter	metha	nchumu / methara
219	measure	pima ela kala	pima
220	melt	noka	n'oka/ n'okisa
221	metal	tsimbi	nsimbhi
222	metre	mitha	mitara
223	microscope	maikhirosikoupu maikhrosikoupu	xivonatsongo
224	mineral	tshibvamavuni minerala minerala	xicelwa
225	mist	khuli	nkunghwa
226	mixture	muvango	nhlanganiso
227	model	tshiedza tshiedziso tshiedziswa	tumbuluxa
228	modern	musalauno tshizwinozwino	ximanjhemanjhe

229	moisture	murongwe munukalo	ndzhongo
230	molar	lidzeu	khuyu
231	mosquito	lunyunyu	nsuna
232	mould	muunda	vumba
233	mouth	mulomo	nomu
234	move	sudzuluwa	susa
235	mucus	duda lumiladi	marhimila / marhikirhiki
236	muscle	musipha	ntlhapfana
237	nature	mupo vhuvha mvumbo	ntumbuluko
238	neck	mutsinga	nhamu
239	nest	tshitaha	xisaka
240	non-living	tshayavhutshilo tshi sa tshili	swo ka swi nga hanyi
241	non-metal	tshayatsimbi tshi si tsha tsimbi	swo ka swi nga ri nsimbhi

242	nose	ningo	nhompfu
243	nostril	buli la ningo	mimbhovo ya nhompfi
244	nutrient	pfushi	xiakamiri
245	nutrition	mufusho vhufushi pfushi	mphamelo wa miri
246	object	tshithu	nchumu
247	observe	sedza lavhelesa	xiyaxiya
248	organ	tshipida muraḁo ogani	xirho
249	organism	tshitshili tshilaho	oganizimi
250	oxygen	okosidzheni okosidzhini oksidzheni gesedungi	moya wo tenga
251	pillar	phuphu thikho	phuphu

252	plant	tshimela limaga u sima	ximila
253	plough	dzembe lima	rima
254	poison	tshefu mulimo	chefu
255	pollen	muvula	nsindza
256	pollution	tshikhafhadzo	nthyakiso
257	pond	tivha kutivha	xidan'wana
258	precipitation	mudzikiso mveledzwa nga muludeo phirisiphithesheni phrisiphithesheni	phirisipithexini
259	predator	lilana	xihloti
260	predict	bvumba humbulela	bvumba
261	prey	tshipondwa	xihlotiwa
262	process	maitele	endlelo

		kuitele	
263	produce	bveledza	tumbuluxa
264	producer	tshibveledzi	xitumbuluxi
265	property	tshiṭalusi	xihlawukisi
266	pulp	bwere birima	phalipu
267	pylon	phaiḽoni	phayiloni
268	raw	vhisi	mbisi
269	record	rekhodo rekhoda	tsala / rhekodo
270	recycle	vhuyedzedza	tirhisa hi vuntswa
271	reproduce	beba nyandiso	tswala
272	reptile	tshikokovhi	xikokovi
273	residue	masalela	swikampfu
274	rib	mbabvu	rimbambu
275	rigid	dzingindela tila	ku tsetserhela
276	ripe	vhibva	vupfa

277	roof	thanga	lwangu
278	root	mudzi	rimitsu
279	rope	thambo	ntambhu
280	saliva	mare	marha
281	science	saintsi	sayense
282	scientist	rasaintsi	n'watisayense
283	seed	mbeu thambo	mbewu
284	seedling	mbwanana tshimedzwa	ximilana
285	sense	tshipfi vhupfi	ku twa
286	serrated	vhusaha tshi re na maṅo	ximeno
287	shell	gwangwa ganda khumba	khamba
288	shelter	vhudzumbamo vhukhudo	vutumbelo
289	shrubs	zwiṭaka	swimidyana

290	sieve	sefo	sefo
291	similarity	fana	ku fanana
292	skeleton	muhangarambo	xikelentoni
293	sketch	mvetamveto mvetomveto tshiketshe	mpfapfarhuto
294	skin	lukanda	nhlonghe
295	skull	dethe dethele	xipalapala
296	sky	lutombo	xibakabaka
297	slimy	suvhaho	ku rheta
298	smell(verb and noun)	nukhedza munukho lwefha	ku nuha
299	smoke	mutsi vhutsi	musi
300	snow	gambogo khabubu	gamboko
301	soak	lovhea kamisa	ku loveka

302	soft	vhutete vhuphuvhephuvhe	ku olova
303	soil	mavu	misava
304	solid	tshiomate omaho khwaṭhaho	swo tiya
305	sort	nanguludza vhekanya dzudzanya	hlawula
306	source	tshiko vhubvo	xihlovo
307	sow (verb)	zwala gobela hasha	byala
308	span(verb)	lalama ndalamo	ku leha (vutomi)
309	stable	dzika	tshamiseka
310	state	nyimele nzulele	xiyimo
311	steel	tsimbi	nsimbhi

312	stem	tsinde	nsinya
313	stiff	konda oma	ku tiya
314	strength(noun)	maanda nuno	ku tiya
315	strengthen	khwa ^h isa maanda ^h adza	ku tiyisa
316	structure	tshivhumbeo	xivumbeko
317	strut	thikho tshitiki	xitiyisi
318	substance	tshishumiswa	nchumu
319	sun	duvha	dyambu
320	sunlight	masana	ku vonakala ka dyambu
321	support	thikho	sekelela
322	survive	hanya ponya	hanya
323	system	sisiteme sisiteme	sisiteme
324	tail	mutshila	ncila

325	taste	thetshela muthetshelo	ku ringa
326	technology	thekhinołodzhi thekhnołodzhi	thekinoloji
327	temperature	murotholomufhiso thempharetsha	mahiselo
328	tension	vhuakhi vhuvhambi	thenxini
329	tentacle	tshiphuphuledzi	thentikili
330	thermometer	thyemometha themomitha	xipimamahiselo
331	tie	vhofha	boha / tsimba
332	toe	tshikunwe	xinkunwanana
333	tongue	lulimi	ririmi
334	tooth	lino	tino
335	toughness	nungo	ku tiya
336	tower	thawara	nhlohlorhi
337	traditional	sialala zwa sialala	swa ndhavuko

338	transport(verb)	endedza	swifambo
339	triangulation	thiraienguḽesheni thraienguḽesheni	thirangulexini
340	trunk	musingo tsinde mutumbu	nsinya
341	truss	ṭhirasi	rimba
342	tuber	khufhi	chubu
343	tubing	u fhaṭa nga phaiphi tshubiṇi	ku chubela
344	tubular	tsha tshubu	xa chubu
345	urine	mushisho murundo muṭambuluwo	mitsakamino / mixixito
346	vegetation	zwimela ḁaka	khwati
347	vein	lutsinga	nsiha
348	vertebrate	tsha muṭodo	swa longo
349	visible	vhonala	vonaka
350	visual	vhonalaho	swo vonaka

351	warmth	vhududo	ku kufumela
352	waste	malatwa	thyaka
353	water cycle	mutevhetshandu wa maḡi	ndzhendzeleko wa mati
354	water vapour	mutsiḡi	nkahelo
355	waterproof	vhuthivhelamaḡi	xo ka xi nga tsakami
356	weather	mutsho	maxelo
357	weed	tshene	nhova
358	weight	tshileme	ntiko
359	wetland	matzhava maroroma	swibodhlo
360	wind	muya	moya
361	wing	lufhafha	rimpiko
362	wither	puta	ku vuna
363	yeast	mbiliso	xivirisi

Bibliography

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