



Province of the
EASTERN CAPE
EDUCATION

GRADE 11 RESEARCH 2025

RESEARCH TOPIC:	Investigation of availability, accessibility, quality and sustainable use of freshwater in my community.
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SUBJECT	:	GEOGRAPHY
CODE	:	GEOG
GRADE	:	11
TERM	:	ONE
DATE OF IMPLEMENTATION	:	FEBRUARY- APRIL 2025
DATE OF COMPLETION	:	APRIL 2025
TERM WEIGHTING %	:	25
TOTAL	:	100

Write a research and investigate the availability, accessibility, quality and sustainable use of freshwater in your community.

RESEARCH TOPIC			
Availability, Accessibility, Quality and Sustainable use of Freshwater in my community.			
The Structure and Layout of your Research may follow the guidelines below.			Marks
1.1.	Cover page	1 A4 Page	3
1.2	Index	1 A4 Page	4
2.	Introduction  <ul style="list-style-type: none">Provide the background to the topic.State the reason for researching the topic.	Length 1/2 A4 Page	8
3.	Research Objectives <ul style="list-style-type: none">State how in your research you aim to address current water related issues in your community such as providing accessible water, attitude of people towards conservation of water, water related diseases, alternative water supply options in case of water shortages, water supply infrastructure etc.	1/2 A4 Page	10
4.	Research Hypothesis <ul style="list-style-type: none">Hypothesis is an assumption that has not yet been researched and there is no tangible in depth data to prove it yet. A researcher observes and identifies a geographical problem / topic and then makes an assumption based merely on the observation. After data collection, in depth analysis and interpretation the researcher makes findings which may prove the assumption to be correct or incorrect. If findings prove the assumption to be incorrect the hypothesis is rejected. If the findings prove the assumption to be correct the hypothesis is accepted.	1/2 A4 Page	10

5.	Study Area		
	<ul style="list-style-type: none"> Describe the location of the area of study. Give the name the geographic location of the area of study in terms of latitude/longitude. State the town, under which it is located Mention the district /local municipality and ward demarcation of the area under study 	1 Paragraph A4 size Paper	5
	<ul style="list-style-type: none"> Insert the map of the study area. Do not draw the map by free hand. Use base map of the study area to trace from the topographic map as base map and be inserted to the A4 sheet paper. A map of the area under study can also be downloaded and cropped from a satellite image. The Map should conform to the conventional colour and shape of the map symbols. The map should contain all the map elements (Map Scale, Map Title, Map Legend, Map Border, North Arrow) 		5
	Data Collection		10
6.1	Primary and Secondary Data Collection		
	<ul style="list-style-type: none"> State how primary data will be collected. State the sources of primary and secondary data for your research. Indicate how sampling for primary data will be done. Indicate the tools that will be used to record responses from primary data. Indicate the method of data analysis and interpretation to be used. <ul style="list-style-type: none"> Primary Data Sources may include interviews, observations from the field, pictures taken by camera etc. For this research task primary data may include interviews about the distance from source, number of litres used per day, what water is used for etc. Secondary data sources may include geography textbooks, geography study guides, handouts, newspaper articles, internet websites, satellite images, topographic maps, orthophoto maps, atlas maps etc. Actual data that may be collected as cited above may include 	½ A4 Page	

		<p>literature notes, graphs, pictures or table information.</p> <ul style="list-style-type: none"> • NB You should cite <i>only</i> the sources of data that you have use in your research. 		
7.	Discussion, Data analysis, Data Interpretation.			
7.1	<ul style="list-style-type: none"> • Refer to data collected from primary and secondary data sources. • Discuss, describe, explain, analyse, interpret and use illustrations and statistics to support your arguments. E.g. <i>bar graphs to illustrate distances travelled collect water, Tables to illustrate quantity of water collected per day, or pie charts to illustrate percentages of uses of water etc</i> • Discussions should address the issues of water quality, availability, accessibility and sustainable use of water. 	2 Pages		20
8.	Findings and Recommendations	<ul style="list-style-type: none"> • Provide an evaluation of how your community rates to your findings. <ul style="list-style-type: none"> ○ For example, findings from your discussions may reveal that <i>water is always available/partially available or unavailable in your community; water is close or far; people in your community use water wisely or they waste water; or water in your community is clean or dirty etc.</i> • Recommendations are based on your findings. • They should provide the proposals as well as how the community is expected to respond based on the findings. • Recommendations may link to your research objectives. 		12

9.	Conclusion (Accept / Reject) Hypothesis <ul style="list-style-type: none">Refer to section 4 (Formulating Hypothesis). Summarise the main points in your findings to determine whether they agree / disagree with the hypothesis you have formulated and decide if your hypothesis is accepted or rejected.	1 paragraph to $\frac{1}{2}$ A4 Page.	9
10.	Bibliography		4
	<ul style="list-style-type: none">Write a bibliography using the Harvard method of referencing.	1 Page	



Marking Rubric	Name and Surname of Learner.....				
Activities	Marks			Information Required	Length
	Total	Educator	Moderator		
Cover page	3			<ul style="list-style-type: none"> • Name & Surname • Grade and Class • Educator's Name • Subject • Research Topic: 	1 A4 page
Index	4			<ul style="list-style-type: none"> • Numbers • Topics • Sub-topics • Page numbers 	1 A4 page
Introduction	8			<p><i>Stanmorephysics.com</i></p> <ul style="list-style-type: none"> • Brief background of water supply • Reasons for conducting research 	½ A4 page
Research Objectives	10			<ul style="list-style-type: none"> • Indication of achievements that the researcher aims to see in the community after the research has been conducted. 	½ A4 page
Research Hypothesis	10			<ul style="list-style-type: none"> • Statement of Assumptions based on the research topic and background information 	½ A4 pages
Study Area	5			<ul style="list-style-type: none"> • Description of the study area • Map showing study area 	1 A4 page
	5				
Data Collection	10			<ul style="list-style-type: none"> • Sources of Primary and Secondary Data. 	½ A4 Page
Discussions, Analysis and Interpretation	5 x 4 = 20			<ul style="list-style-type: none"> • Discussions on accessibility, availability, quality and sustainable water use. 	4 Pages
Findings and recommendations.	12			<ul style="list-style-type: none"> • Evaluation of information from discussions. • Proposing recommendations from findings. 	1 Page
Conclusion	9			<ul style="list-style-type: none"> • Summarise main point in the findings. • Accept / Reject the hypothesis 	½ Page
Bibliography	4			<ul style="list-style-type: none"> • List of References 	1 Page
Total	100				9 -10 A4 pages