

MARK ALLOCATION SUMMARY OF THE PROJECT WORK.

	No	ASPECT TO BE EXAMINED	ALLOCATED MARKS.	STUDENT'S MARKS
PLANNING	1	Title	2	
	2	Alignment to theme	2	
	3	Justification of the project	2	
	4	Methodology	14	
	5	Identification of materials and budget making	2	
IMPLEMENTATION	6	Organization. (was the project work organized?)	1	
	7	Use of resources (how were the resources utilized?)	1	
	8	Expression of Critical thinking and problem-solving skills	5	
	9	Expression of Creativity and innovation skills	5	
	10	Expression of Communication skills	5	
	11	Expression of Co-operation and learning skills	5	
	12	Expression of Calculation and ICT skills	5	
	13	Demonstration of Values in the project work.	6	
PRODUCT	14	Originality of the product.	5	
	15	Creativity of making the product	5	
	16	Innovation of the project	5	
	17	Accuracy / precision of the product .	5	
	18	Testing of the product	5	
	19	Effectiveness and efficiency of the learner's product in solving the problem identified by the learner	1	
REPORT	20	Relevance of the report content	3	
	21	Accuracy of the report's content	3	
	22	Coherence of the reports content	3	
	23	Relevance of the report's format	3	
	24	Accuracy of the report's format	3	
	25	Coherence of the report's format	3	
	26	Excellence of the whole report	1	
		Overall total marks	100	

	PHASE	INDICATORS	MAX SCORE
1	Identification, planning, design	Title, alignment to theme, justification of the project, methodology, identification of materials	<u>22</u>
2	Project Implementation	Organization, Use of resources, focus on generic skills and values	<u>33</u>
3	Product	Originality, creativity and innovation, accuracy	<u>26</u>
4	Project report	Relevancy, Accuracy, coherence	<u>19</u>
	Total		<u>100</u>

N.B : *This page will appear on the front page of the learner's report for marks awarding.*

SUMMARY OF THE PROJECT WORK MARKING GUIDE

No	ASPECT TO BE MARKED	ALLOCATED MARKS.	STUDENT'S MARKS
1	Did the learner write an appropriate project TITLE from a problem	2	
2	Was the learner's problem aligned to any theme in the subject?	2	
3	Did the learner write the objectives and benefits their project?	2	
4	Did the learner state an appropriate TANGIBLE PRODUCT to make.	2	
5	Did the learner explain how his/her product will work?	2	
6	Did the learner draw or describe a plan /design of their product?	2	
7	Did the learner use Google/people /book to research about their project	2	
8	Did the learner explain procedure of making his or her product?	2	
9	Did the learner explain how product's effectiveness will be tested.?	2	
10	Did the learner make a simple project work plan / schedule to follow?	2	
11	Did the learner identify materials to use or made budget for the project	2	
12	ORGANIZATION. (was the learners project work organized?)	1	
13	USE OF RESOURCES (Did the learner utilize the resources properly?)	1	
14	Was the learner able to Plan and carry out investigations.	1	
15	Was the learner able to Sort and analyze information	1	
16	Was the learner able to Identify problems and ways forward	1	
17	Was the learner able to predict outcomes and make reasoned decisions	1	
18	Was the learner able to Evaluate different solutions	1	
19	Was the learner able to Use imaginations to explore possibilities	1	
20	Was the learner able to Work with others to generate ideas	1	
21	Was the learner able to Suggest and develop new solutions	1	
22	Was the learner able to Try out innovative alternatives	1	
23	Was the learner able to Look for patterns and make generalizations	1	
24	Was the learner able to Listen attentively and with comprehension	1	
25	Was the learner able to Talk confidently and explain things clearly	1	
26	Was the learner able to read accurately and fluently to others.	1	
27	Was the learner able to Write and present coherently	1	
28	Did the learner use a range of media to communicate idea	1	
29	Was the learner able to Work effectively in diverse teams	1	
30	Was the learner able to Interact effectively with others	1	
31	Was the learner able to Take responsibility for own learning	1	
32	Was the learner able to Work independently with persistence	1	
33	Was the learner able to Manage goals and time	1	
34	Was the learner able to use numbers and measurements accurately	1	
35	Was the learner able to Interpret and interrogate mathematical data	1	
36	Was the learner able to use mathematics to justify decisions	1	
37	Was technology used to create, manipulate and process information	1	
38	Was technology used to collaborate, communicate and refine work	1	
39	Was the learner able to illustrate Peace and harmony in his/her project.	1	
40	Was the learner able to express Integrity and honesty	1	
41	Was the learner able to exhibit Patriotism in his/her project	1	
42	Was the learner able to show a positive attitude towards work	1	
43	Was the learner able to respect human rights	1	
44	Was the learner able to demonstrate Self-Control in the project	1	
	Total marks for phase – 1 and 2	55 marks	

	ASPECT EXAMINED (in phase three and four)	SCORE	Student's marks
45	ORIGINALITY. Was the product honestly made by the learner him/herself? And is there any uniqueness in the product presented.	5	
46	(CREATIVITY) Did the learner use any imagination or original ideas to create the product presented, was there any inventiveness to make a new and valuable product?	5	
47	INNOVATION. Does the product show that there will be practical implementation of ideas that result in the introduction / improvement of new goods or services to solve man's problems?	5	
48	ACCURACY. Did the learners product possess high precision in solving the problem he or she identified? Is there no fault in a product.?	5	
49	TESTING Was the experiment designed to test the product prototypes authentic? Did the test yield proper results about the product?	5	
50	EFFECTIVENESS AND EFFICIENCY OF THE PRODUCT. According to you as the teacher, did the product actually solve the problem stated y the learner based on the experimental results.	1	
51	If ALL the content written in the student's report is connected, correct and suitable for solving the problem that the student identified.	3	
52	If ALL the report's content conforms to the facts and real truth known about the solutions, research literature and the student's product	3	
53	If ALL content presented in the report connect to each other smoothly, logically, in choice of words and in a way that give meaning to solving the student's problem and product	3	
54	If 5 or 6 aspects are present in the structure of a report. The 6 aspects are: - An introduction, a body, a conclusion, analysis of the project work, punctuated statements, paragraphed work.	3	
55	If 5 or 6 aspects written below possess the real facts and truth known. The 6 aspects are: -1.an introduction, 2. a body, 3. conclusion, and 4 project analysis Also, there must be ... 5. proper Punctuations used rightly. 6... paragraphs are correctly introduced with correct grammar of statements in the report.	3	
56	If what is written in the following 5 or 6 components e.g.: introduction, action plan and budget, product making procedure, product testing experiment, conclusion and analysis in the report connect to each other smoothly, logically, in choice of words and in a way that is clearly understandable.	3	
57	As a point of excellence , if there is an exceptional response unsolicited in the process of writing the report	1	
	Total marks for phases 3 and 4	45	
	Overall total marks	100	

To understand this summary further, read the detailed marking guide no the next page.

MARKING GUIDE FOR PROJECT WORK.

PHASE .1 PROBLEM IDENTIFICATION, PROJECT PLANNING AND DESIGN (22 marks)

ACTION	SCORE
If the learner's answer is correct and exhausts all point(s) / content required. OR when point(s) given is/ are more than half of content required.	2 marks
If the learner's answer is correct but does not exhaust all point(s) or when point(s) given is/are below half of the point(s) needed by the question.	1 mark
If the learner's answer is wrong. or when a learner did not completely answer the question	0 mark

No		ASPECT TO BE MARKED	ALLOCATED MARKS.
A	1	TITLE Did the learner write an appropriate project TITLE after identifying a community a problem?	2
B	2	ALIGNMENT TO THEME Was the learner's problem aligned to any theme in the subject?	2
C	3	JUSTIFICATION OF THE PROJECT Did the learner write the objectives and benefits their project?	2
D		METHODOLOGY	
	4	Did the learner State an appropriate TANGIBLE <u>PRODUCT</u> to make.	2
	5	Did the learner explain how his/her product will work?	2
	6	Did the learner think to draw or describe a plan /design of their product?	2
	7	Did the learner use Google/internet, book or skilled people, to research on how his product is made.	2
	8	Did the learner explain in details the step by step procedures of making his or her product?	2
	9	Did the learner explain how he/she will experiment to test the effectiveness of their product? Were challenges and solutions predicted?	2
	10	Did the learner make a simple project work plan / schedule to follow?	2
E		IDENTIFICATION OF MATERIALS	
	11	Did the learner identify materials to use and made a budget for the project materials?	2
		Total marks (for phase 1)	22

PHASE 2 PROJECT IMPLEMENTATION (33 marks)

ACTION (mark distribution)	SCORE
If the learner's project work met the desired generic skills or values expected.	1 mark
If the learner's project work did not meet the desired generic skills or values expected.	0 mark

No		ASPECT TO BE MARKED	ALLOCATED MARKS.
F	12	ORGANIZATION. (was the learners project work organized?)	1 mark
G	13	USE OF RESOURCES (Did the learner utilize the resources properly?)	1 mark
H		GENERIC SKILLS	
		CRITICAL THINKING AND PROBLEM-SOLVING	
	14	Was the learner able to Plan and carry out investigations.	1 mark
	15	Was the learner able to Sort and analyze information	1 mark
	16	Was the learner able to Identify problems and ways forward	1 mark
	17	Was the learner able to predict outcomes and make reasoned decisions	1 mark
	18	Was the learner able to Evaluate different solutions	1 mark
		CREATIVITY AND INNOVATION	
	19	Was the learner able to Use imaginations to explore possibilities	1 mark
	20	Was the learner able to Work with others to generate ideas	1 mark
	21	Was the learner able to Suggest and develop new solutions	1 mark
	22	Was the learner able to Try out innovative alternatives	1 mark
	23	Was the learner able to Look for patterns and make generalizations	1 mark
		COMMUNICATION	
	24	Was the learner able to Listen attentively and with comprehension	1 mark
	25	Was the learner able to Talk confidently and explain things clearly	1 mark
	26	Was the learner able to read accurately and fluently to others.	1 mark
	27	Was the learner able to Write and present coherently	1 mark
	28	Did the learner use a range of media to communicate idea	1 mark
		CO-OPERATION AND LEARNING	
	29	Was the learner able to Work effectively in diverse teams	1 mark
	30	Was the learner able to Interact effectively with others	1 mark
	31	Was the learner able to Take responsibility for own learning	1 mark
	32	Was the learner able to Work independently with persistence	1 mark
	33	Was the learner able to Manage goals and time	1 mark
		CALCULATION AND ICT	
	34	Was the learner able to use numbers and measurements accurately	1 mark
	35	Was the learner able to Interpret and interrogate mathematical data	1 mark
	36	Was the learner able to use mathematics to justify and support decisions	1 mark
	37	Was technology used to create, manipulate and process information	1 mark
	38	Was technology used to collaborate, communicate and refine their work	1 mark
I		VALUES	
	39	Was the learner able to illustrate Peace and harmony in his/her project.	1 mark
	40	Was the learner able to express Integrity and honesty	1 mark
	41	Was the learner able to exhibit Patriotism in his/her project	1 mark
	42	Was the learner able to show a positive attitude towards work	1 mark
	43	Was the learner able to respect human rights	1 mark
	44	Was the learner able to demonstrate Self-Control in the project	1 mark
		Total marks for phase - 2	33 marks

PHASE 3 PRODUCT (26 marks)

ACTION	SCORE
If the aspect examined in the learner's product is expressed excellently .	5 marks
If the aspect examined in the learner's product is good but not very excellent	4 marks
If the aspect examined in the learner's product is just quite good	3 marks
If the aspect examined in the learner's product is present but to an average extent	2 marks
If the aspect examined in the learner's product is present but to a very small extent	1 mark
If the aspect examined in the learner's product is completely absent / lacking	0 mark

No		ASPECT EXAMINED	SCORE
J	45	ORIGINALITY. Was the product honestly made by the learner him/herself? And is there any uniqueness in the product presented.	5
K	46	CREATIVITY Did the learner use any imagination or original ideas to create the product presented, was there any inventiveness to make a new and valuable product?	5
L	47	INNOVATION. Does the product show that there will be practical implementation of ideas that result in the introduction / improvement of new goods or services to solve man's problems?	5
M	48	ACCURACY. Did the learners product possess high precision in solving the problem he or she identified? Does the product possess the quality or state of being correct or precise? Is there no fault in the product.?	5
N	49	TESTING Was the experiment designed to test the product prototypes authentic? Did the test yield proper results about the working of the product?	5
		Total marks for phase -3	25

TEACHER'S FINAL JUDGMENT OF THE PRODUCT			
O		ASPECT EXAMINED	SCORE
	50	EFFECTIVENESS AND EFFICIENCY OF THE PRODUCT. According to you as the teacher, did the product actually solve the problem that the learner stated in reality based of the experimental results after testing the product. If you compare the money, time and other resources invested in making the product, was there value for those resources. Was there effectiveness.	Score 1 mark if preset. Score 0 mark if it is not absent

PHASE 4 PROJECT REPORT (19 marks)

BASIS OF EVALUATION	Criteria 1 RELEVANCE	Criteria 2 ACCURACY	Criteria 3 COHERENCE
REPORT CONTENT	SCORE 3 If ALL the content written in the student's report is connected, correct and suitable for solving the problem that the student identified.	SCORE 3 If ALL the report's content conforms to the facts and real truth known about the solutions, research literature and the student's product	SCORE 3 If ALL content presented in the report connect to each other smoothly, logically, in choice of words and in a way that give meaning to solving the student's problem and product
	SCORE 2 If half or three quarters of the content written in the student's report is connected, correct and suitable for solving the problem that the student identified.	SCORE 2 If half or three quarters of the report's content conforms to the facts and real truth known about the solutions, research literature and the student's product	SCORE 2 If $\frac{1}{2}$ or $\frac{3}{4}$ of the ideas presented in the report connect to each other smoothly, logically , in choice of words and in a way that give meaning to the student's problem and product
	SCORE 1 If less than half of the content written in the student's report is connected, correct and suitable for solving the problem that the student identified.	SCORE 1 If less than half of the report's content conforms to the facts and real truth known about the solutions, research literature and the student's product	SCORE 1 If less than half ideas presented in the report connect to each other smoothly, logically , in choice of words and in a way that give meaning to the student's problem and product
	SCORE 0 If all the content written in the student's report is NOT connected, correct and not suitable for solving the problem that the student identified.	SCORE 0 If NONE of student's project report content conforms to the facts and real truth known about the solutions, research literature and product he/she is suggesting to bring forth.	SCORE 0 If NONE of the ideas presented in the report connects to each other smoothly, logically, in choice of words and in a way that give meaning to the student's problem and product
FORMAT OF THE REPORT	<p><u>SCORE 3</u> if the following 5 or 6 aspects are present in the structure of a report.</p> <ol style="list-style-type: none"> 1. An INTRODUCTION that: - Introduces the writer the Problem statement the product to be made and The project objectives, 2. A BODY that includes: - Procedure and materials for implementation. 3. A CONCLUSION that shows Testing the product's efficiency and effectiveness 4. ANALYSIS of the project work based on out puts. 5. Punctuated statements 6. paragraphed work. <p>(each point takes $\frac{1}{2}$ mk)</p>	<p><u>SCORE 3</u> if the what is written in the following 5 or 6 aspects are the real facts and truth known about what: -</p> <ol style="list-style-type: none"> 1. An INTRODUCTION, 2. A BODY, 3. CONCLUSION, 4. and a project ANALYSIS Should contain. 5. If proper Punctuations in the work are rightly used within statements of the report. 6. If paragraphs are correctly introduced with correct word spellings and grammar / phrasing of statements in the report. <p>(each point takes $\frac{1}{2}$ mk)</p>	<p><u>SCORE 3</u> if the what is written in the following 5 or 6 components e.g.: -</p> <ol style="list-style-type: none"> 1. INTRODUCTION 2. Action plan and budget 3. Product making procedure 4. Product testing experiment 5. CONCLUSION 6. ANALYSIS in the report connect to each other smoothly, logically, in choice of words and in a way that is clearly understandable in line with a true report format order. <p>NB. Emphasis is on the flow and clarity of the 6 In the way they are supposed to be structured in a report.</p>

	SCORE 2 if 3 or 4 aspects from the 6 of the above are preset	SCORE 2 if 3 or 4 aspects from the 6 of the above are accurate /true	SCORE 2 if 3 or 4 aspects from the 6 of the above are logical
	SCORE 1 if 1 or 2 aspects from the first 4 above are preset	SCORE 1 if 1 or 2 aspects from the first 4 above are accurate/true	SCORE 1 if 1 or 2 aspects from the first 4 above are logical
	SCORE 0 if NO aspects from the first 4 above are preset	SCORE 0 if NO aspects from the first 4 above are accurate/true	SCORE 0 if NO aspects from the first 4 above are logical
	Criteria 4 : EXCELLENCE SCORE 1 if there is an exceptional response unsolicited in the process of writing the report		
	Total marks for phase 4 (maximum score)		19

I drafted this guide following the NCDC power point presentation addressing how project work is assessed and the CBC syllabus book that displays the values and generic skills to be achieved.

I designed a questionnaire to aid the learners on how to carry out the project work as demonstrated on the next page below.

QUESTIONNAIRE TO AID THE LEARNERS

Move around your community which may be your school, places near your home, at home, or your entire village to identify one problem that the community is facing. Make sure that the problem you identify can be solved by the knowledge you have gained in class using any of the chapters covered so far in my subject.

1. What problem have you identified in your community?
(Write a problem statement).
2. Write the title of your project and State the chapter on which your project will focus.
3. Write the main aim, objectives and benefits that your project will have.
4. State the TANGIBLE PRODUCT that you as a person are going to make physically (not buying) to help solve the problem.
5. Think and draw a plan /design or blue print of how your product will look like with a pencil.
6. Explain in details how your product will work to solve the problem.
7. Using Google/internet, book or skilled people, research on how that product is made.
8. Think critically and list all the materials you will need to make your product. After, make a budget for your project as follows.

No	ITEM	DESCRIPTION (QUALITY)	QUANTITY	UNIT PRICE	AMOUNT
1					
2					
3					

9. Explain in details the step by step procedures of how you will make the product.
10. Explain how you will experiment to see if your product will work to solve the problem stated.
Also Predict challenges you may face in your project and provide their solutions.
11. Make a simple schedule or work plan / action plan for your project as follows.

No	ACTIVITY	STARTING DATE	ENDING DATE	NUMBER OF DAYS TO SPEND
1	Problem identification			
2	Planning for the project			
3	Project implementation			
4	Testing the product's efficiency and any adjustments / modifications			
5	Report writing			