



مركز القياس والتقويم التربوي
The Center for Educational Assessment
and Measurement (CEAM)



سلطنة عُمان
وزارة التربية والتعليم

Student Assessment Handbook for Science Grades (10-12) for Private Schools (Bilingual)



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A. INTRODUCTION

Assessment is an essential element of the educational process, by which the effectiveness of the educational process is evaluated, and the desired educational goals are achieved accordingly. As well as through which the elements of the different educational process are improved and developed due to the important information and data on the strengths and weaknesses of these elements.

Despite the multiplicity of patterns of educational assessment, continuous assessment is one of the most prominent of these patterns. This is due to the great importance it poses to help students know how much they have improved and inform parents about their children's performance levels. In addition, continuous assessment provides the teachers with important information about the level of achievement of educational goals/outcomes and helps them improve teaching methods and activates the real partnership between all related parties concerned with student education and learning through the integration of roles and responsibilities to assure quality in education.

This document is your guide to apply the continuous assessment. It provides a brief theoretical framework for the concept of continuous assessment and associated concepts and provides you with a frame of reference for how to implement continuous assessment tools by clarifying the mechanisms for implementing these tools and technical specifications.

For teachers to effectively apply the Continuous Assessment (CA) tools, teachers need to refer to the following documents:

1. Student Assessment Handbook for Science Grades (10-12) for Private schools version 2023/2024.
2. The General Operational Framework for Private Schools in Oman for the academic year (Version 2023/2024).

B. CONTINUOUS ASSESSMENT

Continuous Assessment (CA) includes a range of different assessment techniques which can be used in the classroom to gather information about a student's learning.

This covers a wide range of activities depending on the assessment's purpose: formative and summative.

Summative assessment is assessment of student's learning, with the aim of providing evidence for reporting to parents and others. Its purpose is to measure standards.

Formative assessment is assessment for learning, with the aim of helping students to achieve the relevant learning outcomes. Its purpose is to improve standards. Recently digital tools are increasingly being adopted by schools to measure student's skills and knowledge and to determine that the learning objectives have been met. Both summative and formative assessments are important and valuable; neither should be neglected.

The most important ways in which Continuous Assessment (CA) can be beneficial are:

- It is based on a positive view of assessment as a natural part of the teaching and learning process.
- It allows assessment of learning outcomes which are, for practical reasons, difficult to assess by means of formal testing.
- It can provide a fairer, more balanced picture of a student's achievement, especially for those who become nervous during formal tests.
- It provides information about student's learning at an early stage, making it possible for action to be taken promptly, while the academic year is still in progress.
- It encourages teachers to have good ideas about the performance of all their students and to closely observe individual students' on-going progress and development.
- It (possibly) motivates students to work hard consistently, if they know that their everyday work in class contributes to their report card assessment.

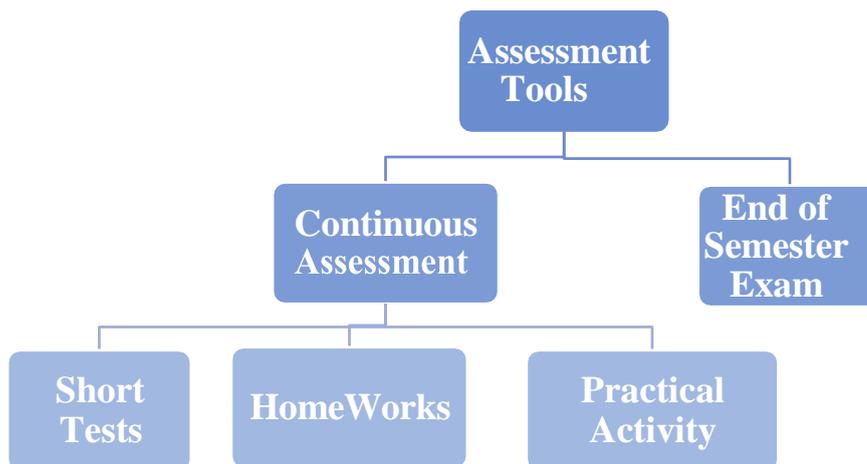
C. MODERATION (GRADE 12):

Ministry of Education staff will moderate continuous assessment marks awarded at schools at the end of each semester of the academic year. Teachers should allocate a portfolio for each student. The file has to have evidence (student's work) for the given mark for each assessment tool as well as the student's work. Each portfolio should contain details of the task assigned, the marking guide, the marks awarded, and any comments from the teacher. Each portfolio should contain evidence of the task:

- One practical activity.
- Two short tests.

When visiting the school, the moderator will select at least 6 of student portfolio randomly to moderate. The student's marks will be deducted if there is no evidence for the tools in the portfolio.

D. ASSESSMENT TOOLS



Relative weight for assessment tools

Grade	Assessment Tools	
	Continuous Assessment	End-of-Semester Exam
10 - 11	40%	60%
12	30%	70%

Assessment Summary Chart

Marks Distribution for Grade (10)

Grade 10					
Continuous Assessment			Total	End-of-Semester Exam	Total Marks
HomeWorks	Practical Activity	Short Tests			
2 times per semester	Once a semester	Twice a semester			
5 marks each (Total =10 marks)	(10 marks)	10 marks each (Total =20 marks)	40 marks	60 marks	100 marks

Marks Distribution for Grade 11

Grade 11					
Continuous Assessment			Total	End-of-Semester Exam	Total Marks
Home Works	Practical Activity	Short Tests			
2 times per semester	Once a semester	Twice a semester			
5 marks each (Total =10 marks)	(10 marks)	10 marks each (Total=20 marks)	40 marks	60 marks	100 marks

Marks Distribution for Grade 12

Grade 12				
Continuous Assessment		Total	End-of-Semester Exam	Total Marks
Practical Activity	Short Tests			
Once a semester	Twice a semester			
(10 marks)	10 marks each (Total=20 marks)	30 marks	70 marks	100 marks

E. TOOLS & TECHNIQUES FOR CONTINUOUS ASSESSMENT

This Section provides further information and explanation regarding the various tools and techniques which can be used in the classroom for assessment purposes in science during the academic year:

1. Short Tests

The following criteria must be taken into consideration while preparing the short tests:

- There will be two short tests during the semester; each one worth 10 marks and the sum is counted to be 20 marks for grade (10-11 &12).
- The short test must be lasting no more than 30 minutes.
- The teacher should inform the students about the date of the test.
- The test must be set according to the approved curriculum outcomes.
- Each short test must consist of two parts: (20% Multiple-choice items and 80% Extended response items).
- All short tests for grades 10 and 11 must reflect different learning levels (40% Knowledge, 40% application, 20% reasoning) and these level domains will be in All short tests for grade 12 must reflect different learning levels (30% Knowledge, 50% application, 20% reasoning) and these level domains will be in details in the following table.

details in the following tables:

For grades 10 -11

Learning Levels	Knowing	Applying	Reasoning
Multiple-choice (Number of items)	1	1	-
Extended responses (Marks)	3	3	2
Weight of Learning Levels	40%	40%	20%

Cognitive levels

For grade 12

Learning Levels	Knowing	Applying	Reasoning
Multiple-choice (Numberof items)	1	1	-
Extended response(Marks)	2	4	2
Weight of LearningLevels	30%	50%	20%



Knowledge



Applying



Reasoning

Note the following instructions carefully:

- It is prohibited to repeat any test to any students without an official excuse (the form is enclosed in appendix 1)
 - The questions must not be repeated literally in any other written assignment tools.
- Prepare at least one sample of the test, if the number of students in the class is ≤ 10 .
- Prepare at least two samples of tests, if the number of students in the class is between 11 and 20.
- Prepare at least three samples of tests, if the number of students in the class is > 20 .
- The questions should not be copied from exam past papers** (unless modified).

The answer key must be prepared for each test as follows:

For grades (10 and 11):

Question	Item	Answer	Learning Levels			Objective Number
			Knowing	Applying	Reasoning	
First Question Multiple choice (Total 2 marks)	1					
	2					
Second Question Extended Response (8 marks)	Q A	1				
		2				
		...				
	Q B	1				
		2				
		...				
	Q C	1				
		2				
		...				
Total (10 marks)			4	4	2	

For grade 12:

Question	Item	Answer	Learning Levels			Objective Number
			Knowing	Applying	Reasoning	
First Question Multiple choice (Total 2 marks)	1					
	2					
Second Question Extended Response (8 marks)	Q A	1				
		2				
		...				
	Q B	1				
		2				
		...				
	Q C	1				
		2				
		...				
Total (10 marks)			3	5	2	

2. HomeWorks

An assessment tool used during the academic year to ensure that the student has acquired information, knowledge, and skills.

It consists of one or two questions with three or five items in total that measure a specific learning outcome.

➤ Home works MUST:

- Be related to the curriculum outcomes.
- Be assessed two times during the semester each with (5) marks and the total (10 marks) is calculated for grades (10-11).
- Prepared by the teacher or taken from the workbook for the student.
- Contain both multiple choice and extended questions that vary between knowledge, application, and reasoning questions.
- Cater for the different needs and different levels of the students.
- No home works for grade 12.

3. Practical Activity

Practical activity refers to any teaching and learning activity which at some point involves the students in observing or manipulating the objects and materials they are studying. Such activities can help improve the development of students' practical laboratory skills and help them comprehend key scientific concepts and phenomena.

- ❖ The following criteria should be taken into consideration while preparing the practical activity:
 - ✓ Assess the student's performance during the practical experiment either in pairs or among groups. The groups and the students' roles in the experiment ~~and~~ be changed during the semester.
 - ✓ Be assessed once a semester, with 10 marks.
 - ✓ Done by one student or more depends on the practical experiment and should not exceed than 5 students.
 - ✓ The role of each student in the group should be clarified.

- ❖ For grade 10, the student can take notes in the practical book, as for grades 11 and 12, they can take notes in the laboratory manual that was prepared by the Ministry of Education. If both the practical book and the laboratory manual are not available, the student can use the form for practical activity which is enclosed in appendix 2.
- ❖ The criteria for evaluating practical activity must be as follows:
Criteria for Evaluating Practical Activity for Grades (10-12)

Skills	Criteria	Mark
Initiating & Planning	Understand the meaning of the aim or scientific question	2
	Predict the results of the experiment	
	List the required tools and materials	
Exploring & Recording	Follow the steps of the practical activity, step by step	3
	Handle experiment tools correctly and safely	
	Observe and record the variations occur during the practical work	
Analyzing & Interpreting	Analyze the results that is collected during the practical work and Interpret of the results of the practical work in a scientific way	3
	Discuss the results and find some relationships, conclusions, and generalizations.	
Communication and Teamwork	collaborate with the team and discuss the observations	2
	Provide suggestions for dealing with work Difficulties	

END-OF-SEMSTER EXAMINATION (2023/ 2024)

General Exam specifications for Grades (10-11)

- Time: two and half hours.
- The exam will be decentralized (prepare by teachers in private schools).
- Match with learning taxonomy – cognitive domain (knowing, applying, reasoning).
- For physics, the constants and physical laws should be attached to the examination paper.
- For chemistry, the modern periodic table of the elements should be attached to the examination paper.

End-of-Semester Examination Format (60 marks) For Grade (10-11)

1- Question Type:

Question Type	Percentage	Marks
Multiple-Choice	20 %	12
Extended Response	80 %	48
Total	100 %	60

2- Taxonomy (Cognitive Domain):

Level	Knowledge	Application	Reasoning
Weighting	40 %	40 %	20 %

End-of-Semester Examination Format (60 marks) For Grades (10-11)

Type of Questions	Multiple Choice (20%)			Total	Extended Response (80%)			Total	Final mark
	Knowing 40%	Applying 40%	Reasoning 20%		Knowing 40%	Applying 40%	Reasoning 20%		
Number of questions	5	5	2	12	8 Questions			8	
Marks	5	5	2	12	19	19	10	48	

End of Semester One Exam Specifications for Biology (Grade 10- Bilingual) (2023/2024)

Topic of the Units	Weighting %	Multiple Choice (20%)				Extended Response (80%)				Total Mark									
		No. of Questions	Marks	Cognitive Levels			No. of Questions	Marks	Cognitive Levels										
				Knowing (40%)	Applying (40%)	Reasoning (20%)			Knowing (40%)		Applying (40%)	Reasoning (20%)							
1- Coordination and response	36%	12	5	5	2	48	19	19	10	60									
	4										2	2	-	18	7	7	4	22	
2- Drugs	28%										4	1	2	1	12	5	5	2	16
3- Reproduction	36%										4	2	1	1	18	7	7	4	22
Total	100%																		

End Of Semester Two Exam Specification for Biology (Grade 10- Bilingual) (2023/2024)

Topic of the Units	Weighting %	Multiple Choice (20%)					Extended Response (80%)					Total Mark
		No. of Questions	Marks	Cognitive Levels			No. of Questions	Marks	Cognitive Levels			
				Knowing (40%)	Applying (40%)	Reasoning (20%)			Knowing (40%)	Applying (40%)	Reasoning (20%)	
4- Inheritance	28%	12	4	1	2	1	12	13	5	5	3	17
5- Variation and selection	19%		2	1	1	-		9	3	4	2	11
6- Organisms and their environment	26%		3	1	1	1		13	5	5	3	16
7- Human influence on ecosystem	27%		3	2	1	-		13	5	5	3	16
Total	100%		12	5	5	2		48	19	19	10	60

End Of Semester One Exam Specification for Chemistry (Grade 10 - Bilingual) (2023/2024)

Topic of the Units	Weighting %	Multiple Choice (20%)					Extended Response (80%)					Total Mark
		No. of Questions	Marks	Cognitive Levels			No. of Questions	Marks	Cognitive Levels			
				Knowing (40%)	Applying (40%)	Reasoning (20%)			Knowing (40%)	Applying (40%)	Reasoning (20%)	
1. Chemical energetic	19%	12	2	1	1	-	12	9	4	4	1	11
2. Chemical reactions	14%		2	1	1	-		7	2	3	2	9
3. Redox	17%		2	1	-	1		8	3	3	2	10
4. Electrolysis	19%		2	1	1	-		9	4	3	2	11
5. Reactivity series	31%		4	1	2	1		15	6	6	3	19
Total	100%		12	5	5	2		48	19	19	10	60

End Of Semester Two Exam Specification for Chemistry (Grade 10 - Bilingual) (2023/2024)

Topic of the Units	Weighting %	Multiple Choice (20%)					Extended Response (80%)					Total Mark
		No. of Questions	Marks	Cognitive Levels			No. of Questions	Marks	Cognitive Levels			
				Knowing (40%)	Applying (40%)	Reasoning (20%)			Knowing (40%)	Applying (40%)	Reasoning (20%)	
6. Organic Chemistry	61%	12	7	3	3	1	12	30	12	12	6	37
7. Chemistry of the environment	39%		5	2	2	1		18	7	7	4	23
Total	100%		12	5	5	2		48	19	19	10	60

End Of Semester One Exam Specification for Physics (Grade 10- Bilingual) (2023/2024)

Topic of the Unit Magnetism and Electricity	Weighting %	Multiple Choice (20%)					Extended Response (80%)					Total Mark
		No. of Questions	Marks	Cognitive Levels			No. of Questions	Marks	Cognitive Levels			
				Knowing (40%)	Applying (40%)	Reasoning (20%)			Knowing (40%)	Applying (40%)	Reasoning (20%)	
1.1 Magnetism	11%	12	1	1	-	-	12	6	2	2	2	7
1.2 Static electricity	19%		2	-	1	1		9	4	3	2	11
1.3 current	9%		1	-	1	-		4	2	2	-	5
1.4 Potential difference and electromotive force	8%		1	-	1	-		4	2	1	1	5
1.5 Resistance	9%		1	1	-	-		4	2	1	1	5
1.6 Electrical energy and power	5%		1	1	-	-		2	-	2	-	3
1.7 Electrical circuits	23%		3	1	1	1		11	4	5	2	14
1.8 Electromagnetic effects	16%		2	1	1	-		8	3	3	2	10
Total	100%		12	5	5	2		48	19	19	10	60

End Of Semester Two Exam Specification for Physics (Grade 10- Bilingual) (2023/2024)

Topic of the Units	Weighting %	Multiple Choice (20%)					Extended Response (80%)					Total Mark
		No. of Questions	Marks	Cognitive Levels			No. of Questions	Marks	Cognitive Levels			
				Knowing (40%)	Applying (40%)	Reasoning (20%)			Knowing (40%)	Applying (40%)	Reasoning (20%)	
Waves	76%	12	9	4	4	1	12	37	15	15	7	46
Atomic physics	24%		3	1	1	1		11	4	4	3	14
Total	100%		12	5	5	2		48	19	19	10	60

End Of Semester One Exam Specification for Biology (Grade 11- Bilingual) (2023/2024)

Topic of the Units	Weighting %	Multiple Choice (20%)					Extended Response (80%)					Total Mark
		No. of Questions	Marks	Cognitive Levels			No. of Questions	Marks	Cognitive Levels			
				Knowing (40%)	Applying (40%)	Reasoning (20%)			Knowing (40%)	Applying (40%)	Reasoning (20%)	
1- Cell structure	32%	12	4	2	2	-	12	15	6	6	3	19
2-Biological molecules	28%		3	1	1	1		14	6	6	2	17
3-Enzymes	17%		2	1	1	-		8	3	3	2	10
4-Cell cycle and mitosis	23%		3	1	1	1		11	4	4	3	14
Total	100%		12	5	5	2		48	19	19	10	60

End Of Semester Two Exam Specification for Biology (Grade 11- Bilingual) (2023/2024)

Topic of the Units	Weighting %	Multiple Choice (20%)					Extended Response (80%)					Total Mark
		No. of Questions	Marks	Cognitive Levels			No. of Questions	Marks	Cognitive Levels			
				Knowing (40%)	Applying (40%)	Reasoning (20%)			Knowing (40%)	Applying (40%)	Reasoning (20%)	
5-Cell membrane and transport	19%	12	2	1	1	-	12	9	4	3	2	11
6-Transport in plants	12%		1	1	-	-		7	3	3	1	8
7-Transport in mammals	19%		2	-	1	1		9	3	4	2	11
8- Gas exchange	50%		7	3	3	1		23	9	9	5	30
Total	100%		12	5	5	2		48	19	19	10	60

End Of Semester One Exam Specification for Chemistry (Grade 11 - Bilingual) (2023/2024)

Topic of the Units	Weighting %	Multiple Choice (20%)					Extended Response (80%)					Total Mark
		No. of Questions	Marks	Cognitive Levels			No. of Questions	Marks	Cognitive Levels			
				Knowing (40%)	Applying (40%)	Reasoning (20%)			Knowing (40%)	Applying (40%)	Reasoning (20%)	
1. Atoms, molecules, and stoichiometry	20%	12	3	1	1	1	12	9	4	3	2	12
2. Atomic structure	17%		2	1	1	-		8	3	3	2	10
3. Bonding in simple molecules	9%		1	1	-	-		5	2	2	1	6
4. Reaction kinetics	17%		2	1	1	-		8	3	3	2	10
5. Equilibria	37%		4	1	2	1		18	7	8	3	22
Total	100%			12	5	5		2		48	19	19

End of Semester Two Exam Specification for Chemistry (Grade 11 - Bilingual) (2023/2024)

Topic of the Units	Weighting %	Multiple Choice (20%)					Extended Response (80%)					Total Mark
		No. of Questions	Marks	Cognitive Levels			No. of Questions	Marks	Cognitive Levels			
				Knowing (40%)	Applying (40%)	Reasoning (20%)			Knowing (40%)	Applying (40%)	Reasoning (20%)	
6. Enthalpy Changes	28%	12	4	1	2	1	12	12	6	4	2	16
7. Introduction to organic chemistry	24%		4	1	2	1		9	3	4	2	13
8. Hydrocarbons and Halogen compounds	20%		2	1	1	-		9	3	3	3	11
9. Alcohols and Carboxylic acids	19%		1	1	-	-		9	3	4	2	10
10. Carbonyl Compounds	9%		1	1	-	-		9	4	4	1	10
Total	100%			12	5	5		2		48	19	19

End of Semester One Exam Specification for Physics (Grade 11- Bilingual) (2023/2024)

Topic of the Units	Weighting %	Multiple Choice (20%)					Extended Response (80%)					Total Mark
		No. of Questions	Marks	Cognitive Levels			No. of Questions	Marks	Cognitive Levels			
				Knowing (40%)	Applying (40%)	Reasoning (20%)			Knowing (40%)	Applying (40%)	Reasoning (20%)	
1-Physical Quantities and units	10%	12	1	1	-	-	12	5	2	2	1	6
2- Kinematics	24%		3	1	1	1		12	5	5	2	15
3- Dynamics	34%		4	1	2	1		16	6	6	3	20
4- Force, density, and pressure	17%		2	1	1	-		8	3	3	2	10
5-Work, energy, and power	15%		2	1	1	-		7	3	3	2	9
Total	100%			12	5	5		2		48	19	19

End Of Semester Two Exam Specification for Physics (Grade 11- Bilingual) (2023/2024)

Topic of the Units	Weighting %	Multiple Choice (20%)					Extended Response (80%)					Total Mark
		No. of Questions	Marks	Cognitive Levels			No. of Questions	Marks	Cognitive Levels			
				Knowing (40%)	Applying (40%)	Reasoning (20%)			Knowing (40%)	Applying (40%)	Reasoning (20%)	
6- Motion in a circle	10%	12	1	1	-	-	12	5	2	2	1	6
7- Gravitational field	22%		3	1	2	-		10	4	4	2	13
8- Oscillations	28%		3	2	1	-		14	5	5	4	17
9- Electric fields	40%		5	1	2	2		19	8	8	3	24
Total	100%		12	5	5	2		48	19	19	10	60

General Exam Specifications for Grade 12

- Time: Three hours
- It will be prepared centrally.
- Match with learning taxonomy – cognitive domain (knowing, applying, reasoning).
- For physics, the constants and physical laws are attached to the examination paper.
- For chemistry, the modern periodic table of the elements is attached.

End-of-Semester Examination format (70 marks) For Grade 12

1- Question Type:

Question Type	Percentage	Marks
Multiple-Choice	20 %	14
Extended Response	80 %	56
Total	100 %	70

2- Taxonomy (Cognitive Domains):

Level	Knowledge	Application	Reasoning
Weighting	30 %	50 %	20 %

End-of-Semester Examination Format (70 marks) For Grade 12

Type of Questions	Multiple Choice (20%)			Total	Extended Response (80%)			Total	Final Mark
	Knowing 30%	Applying 50%	Reasoning 20%		Knowing 30%	Applying 50%	Reasoning 20%		
Number of questions	4	7	3	14	10 Questions			10	
Marks	4	7	3	14	17	28	11	56	70

Exam Specification for Biology (Grade 12 - Bilingual) – Semester one (2023/2024)

Topic of the Units	Weighting %	Multiple Choice (20%)					Extended Response (80%)					Total Mark
		No. of Questions	Marks	Cognitive Levels			No. of Questions	Marks	Cognitive Levels			
				Knowing (30%)	Applying (50%)	Reasoning (20%)			Knowing (30%)	Applying (50%)	Reasoning (20%)	
Nucleic Acid and protein synthesis	26%	14	4	1	2	1	10	15	5	7	3	19
Inheritance	15%		2	1	1	-		8	2	4	2	10
Gene Technology	16%		2	-	1	1		9	3	4	2	11
Homeostasis	20%		3	1	2	-		11	3	6	2	14
Control and Coordination	23%		3	1	1	1		13	4	7	2	16
Total	100%		14	4	7	3		56	17	28	12	70

* Exam specifications for grade 12 semester two will be provided later.

Exam Specification for Chemistry (Grade 12 - Bilingual) – Semester One (2023/2024)

Topic of the Units	Weighting %	Multiple Choice (20%)					Extended Response (80%)					Total Mark
		No. of Questions	Marks	Cognitive Levels			No. of Questions	Marks	Cognitive Levels			
				Knowing (30%)	Applying (50%)	Reasoning (20%)			Knowing (30%)	Applying (50%)	Reasoning (20%)	
Quantitative Equilibria	22%	14	4	1	2	1	10	12	4	6	2	16
Electrochemistry	34%		4	1	2	1		20	6	10	4	24
Lattice energy	21%		3	1	2	-		12	4	6	2	15
Arenes , Phenols and Carboxylic acids	23%		3	1	1	1		12	3	6	3	15
Total	100 %		14	4	7	3		56	17	28	11	70

* Exam specifications for grade 12 semester two will be provided later.

Exam Specification for Physics (Grade 12 - Bilingual) – Semester One (2023/2024)

Topic of the Units	Weighting %	Multiple Choice (20%)					Extended Response (80%)					Total Mark
		No. of Questions	Marks	Cognitive Levels			No. of Questions	Marks	Cognitive Levels			
				Knowing (30%)	Applying (50%)	Reasoning (20%)			Knowing (30%)	Applying (50%)	Reasoning (20%)	
Electricity	40%	14	6	2	3	1	10	22	7	11	4	28
Capacitance	8%		1	-	1	-		5	1	3	1	6
Magnetic Fields and Electromagnetism	22%		3	1	1	1		12	4	6	2	15
Electromagnetic Induction	13%		2	-	1	1		7	2	3	2	9
Alternating Current	17%		2	1	1	-		10	3	5	2	12
Total	100%		14	4	7	3		56	17	28	11	70

* Exam specifications for grade 12 semester two will be provided later.

Assessment Sheet for Physics/ Chemistry / Biology Grade (10)

Student's Name	Continuous Assessment Tools							Total (40)	Final Exam (60)	Total (100)
	Home Works			Short Tests			Practical Activity (10)			
	5	5	Total (10)	1 st (10)	2 nd (10)	Total (20)				

Assessment Sheet for Physics/ Chemistry / Biology Grade (11)

Student's Name	Continuous Assessment Tools							Total (40)	Final Exam (60)	Total (100)
	HomeWorks			Short Tests			Practical Activity			
	5	5	Total (10)	1 st (10)	2 nd (10)	Total (20)	(10)			

Assessment Sheet for Physics/ Chemistry / Biology Grade 12

Student's Name	Continuous Assessment Tools				Total (30)	Final Exam (70)	Total (100)
	Short Tests			Practical Activity			
	1 st (10)	2 nd (10)	Total (20)	(10)			

Appendix (2)

Practical Activity Form Grades (10 - 11 & 12)

Student's Name:

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Initiating and Planning (2 marks)

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Exploring and Recording: (3 mark)

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Analyzing and Interpreting: (3 marks)

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Communication and Teamwork: (2 marks)

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