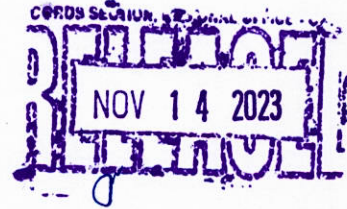




Republic of the Philippines
Department of Education
CARAGA REGION



November 13, 2023

REGIONAL MEMORANDUM

No. 1118, s. 2023

To: SCHOOLS DIVISION SUPERINTENDENTS
This Region

LEAST-LEARNED COMPETENCIES, PROFICIENCY LEVELS, AND
MEAN PERCENTAGE SCORES, IN SCIENCE FOR ACADEMIC
QUARTER 4, SY 2022-2023

1. The field is hereby informed of the enclosed summary results of the monitoring and evaluation on assessment in Science through the Internet- and Cloud-based Learning Assessment Submission System (iCLASS) for the Academic Quarter 4, SY 2022-2023.
2. The release of these M&E results aims to:
 - a. inform the education leaders on the least-learned competencies, learners' proficiency levels, mean percentage scores, and issues and concerns regarding teaching and learning during the Academic Quarter 4 of SY 2022-2023 that may be used for the development of interventions and capacity buildings;
 - b. inform teacher-researchers on the least-learned competencies and learners' proficiency levels in Science that may aid them in preparing research proposals focusing on Science Education; and
 - c. provide education leaders with iCLASS dynamic links to isolate data that they can use and analyze for a more focused intervention determination.
3. The enclosed M&E results via iCLASS contains the following:
 - I. Least-learned MELCs in Science;
 - II. Learners' Proficiency Levels in Science;
 - III. Quarterly Tests Used;
 - IV. Challenges Encountered in Facilitating Learning in Science; and
 - V. Recommendations.
4. Schools Division Offices (SDOs), districts, and schools may also isolate specific data relevant to their context using the dynamic links provided to the Education Program Supervisors/Coordinators in Science.
5. For concerns and clarifications, you may email to Mr. Kevin Hope Z. Salvaña, CLMD EPS, at kevinhope.salvana@deped.gov.ph.



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2023-11-17364

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Effectivity	02.01.23	Page	1 of 2

6. Immediate and wide dissemination of this Memorandum to all concerned is highly desired.


MARIA INES C. ASUNCION
Director III
Officer-in-Charge
Office of the Regional Director

Encl/s.: As stated.

Reference/s: iCLASS v.2.1 Results

To be indicated in the Perpetual Index
under the following subjects:

ASSESSMENT DATA EVALUATION

CLMD/khzs
11/13/2023



2023-11-17364

Doc. Ref. Code	RO-ASD-F107	Rev	00
Effectivity	02.01.23	Page	2 of 2

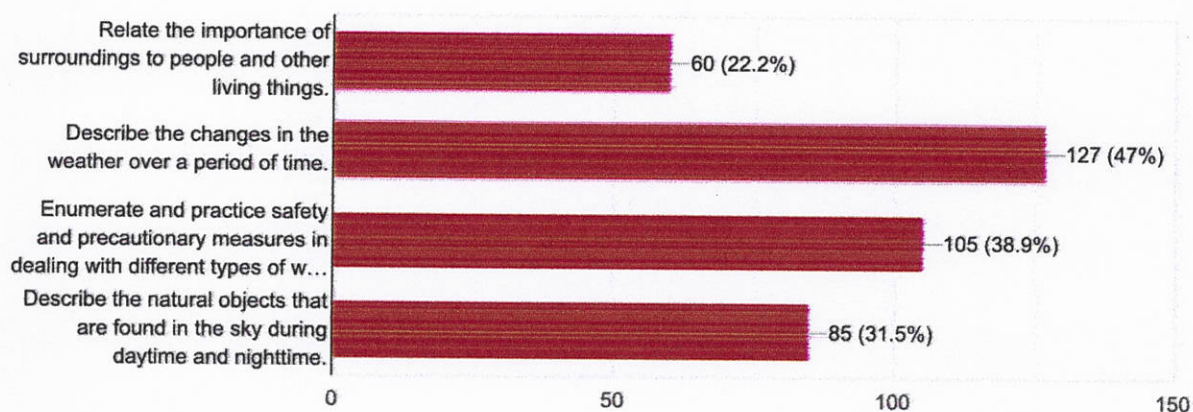
RESULTS OF THE iCLASS QUARTER 4 SY 2022-2023

I. Least-learned MELCs

Science 3

What is/are the least-learned MELCs in Science 3 for the 4th Quarter (Earth and Space)?

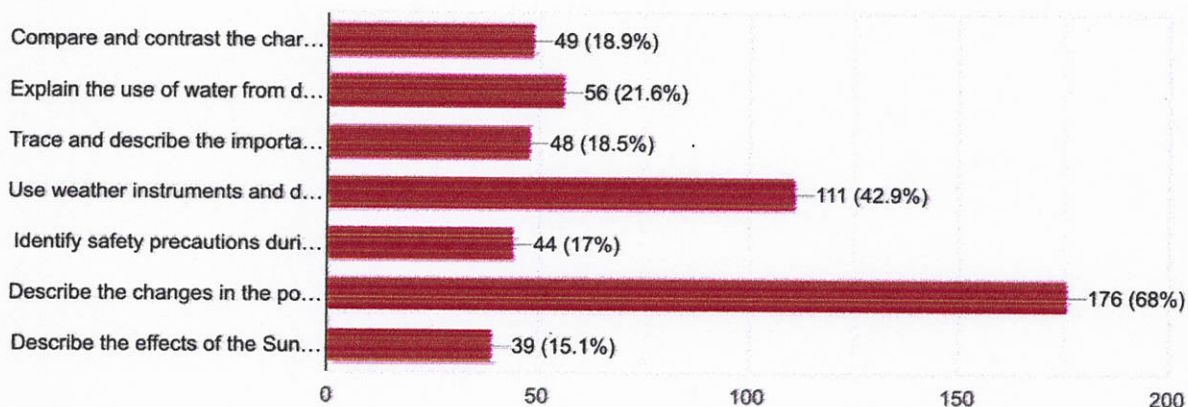
270 responses



Science 4

What is/are the least-learned MELCs in Science 4 for the 4th Quarter (Earth and Space)?

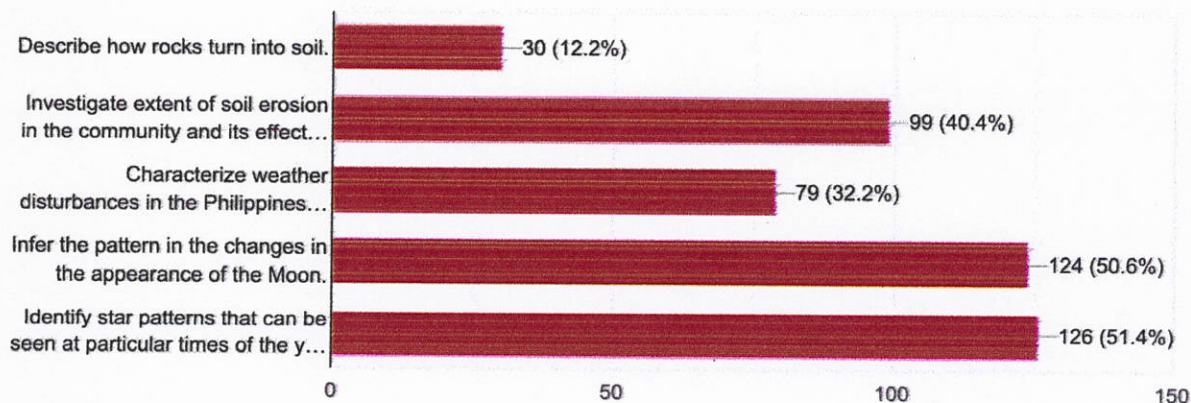
259 responses



Science 5

What is/are the least-learned MELCs in Science 5 for the 4th Quarter (Earth and Space)?

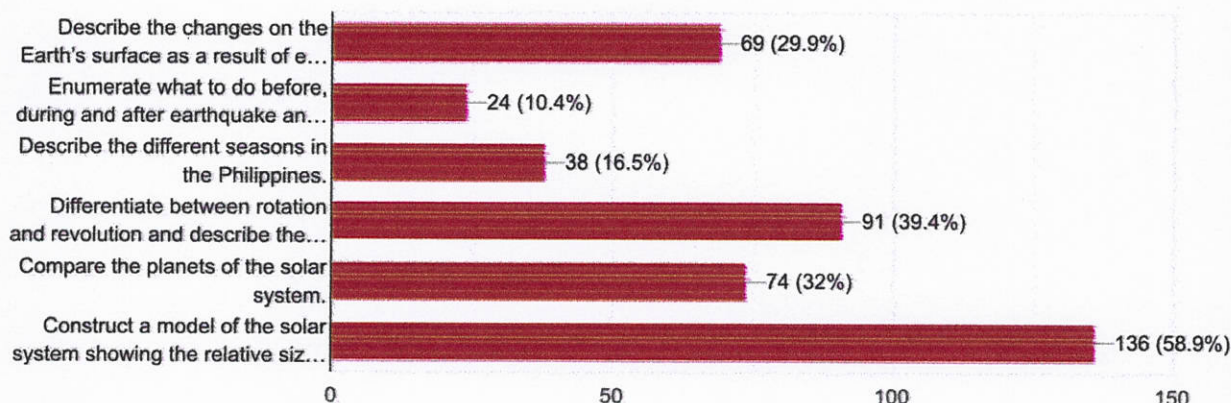
245 responses



Science 6

What is/are the least-learned MELCs in Science 6 for the 4th Quarter (Earth and Space)?

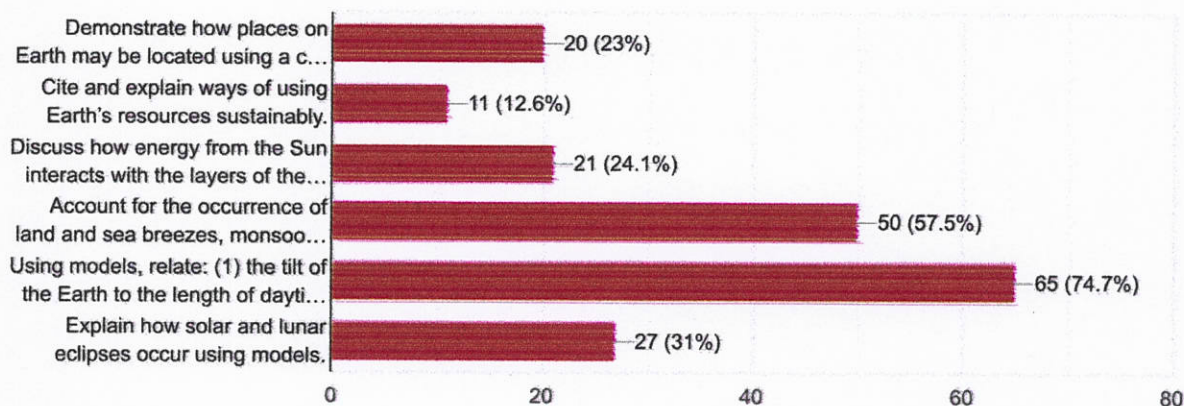
231 responses



Science 7

What is/are the least-learned MELCs in Science 7 for the 4th Quarter (Earth and Space)?

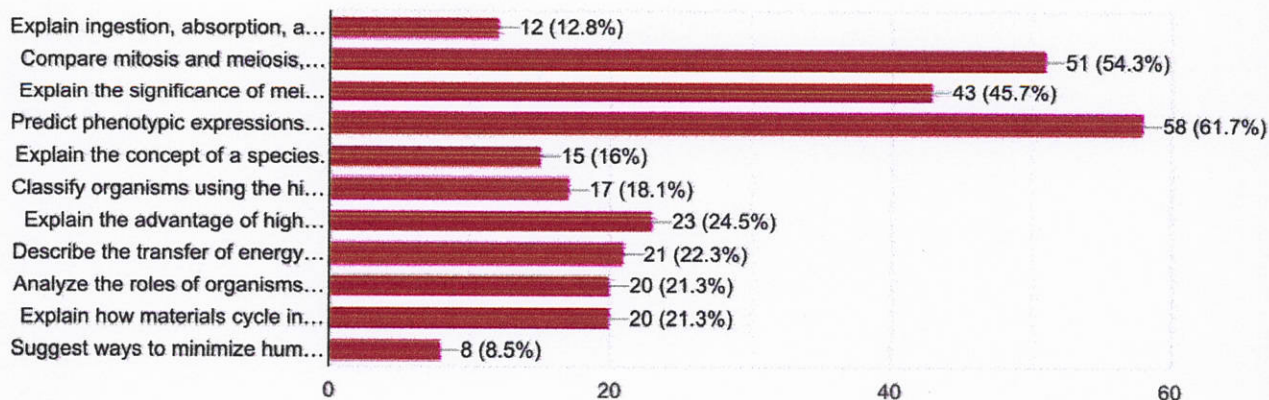
87 responses



Science 8

What is/are the least-learned MELCs in Science 8 for the 4th Quarter (Living Things and Their Environment)?

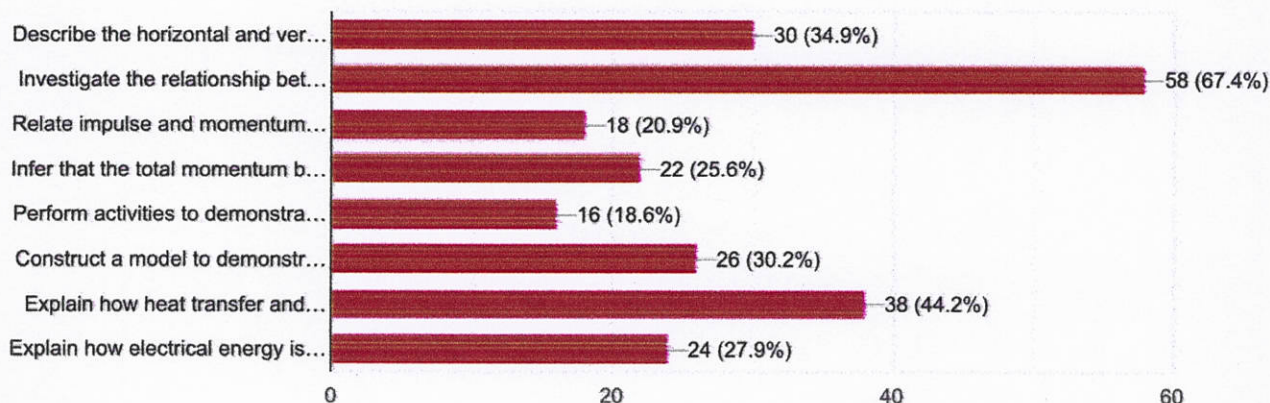
94 responses



Science 9

What is/are the least-learned MELCs in Science 9 for the 4th Quarter (Force, Motion and Energy)?

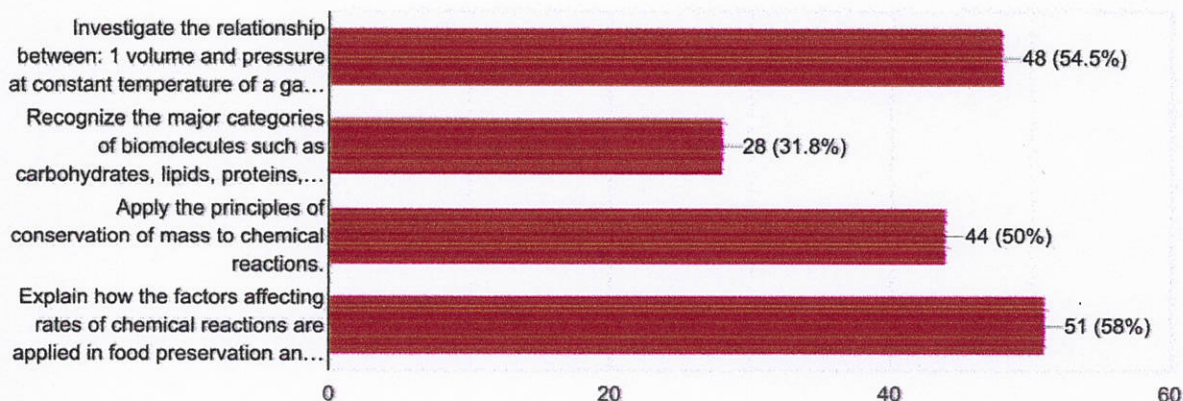
86 responses



Science 10

What is/are the least-learned MELCs in Science 10 for the 4th Quarter (Matter)?

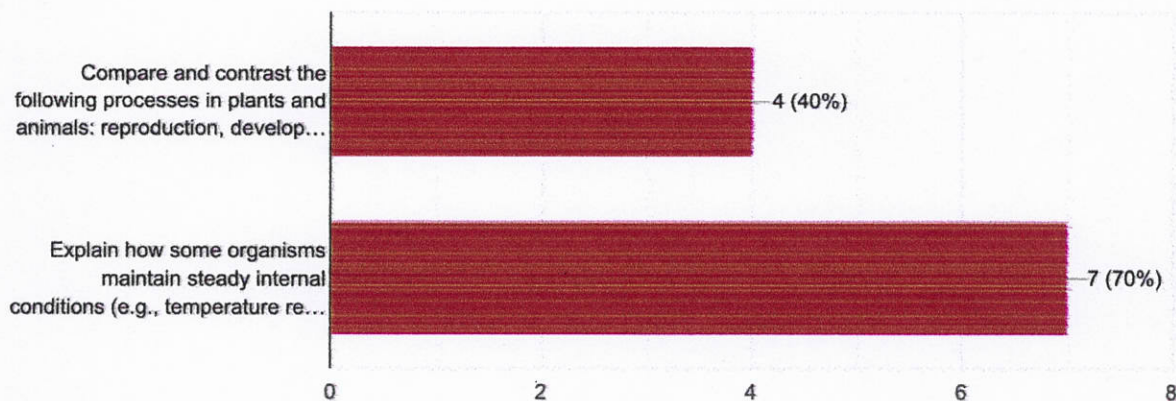
88 responses



SHS-General Biology 2

What is/are the least-learned MELC(s) in SHS-Gen. Biology 2 for the Second Half (2nd or 4th Quarter)?

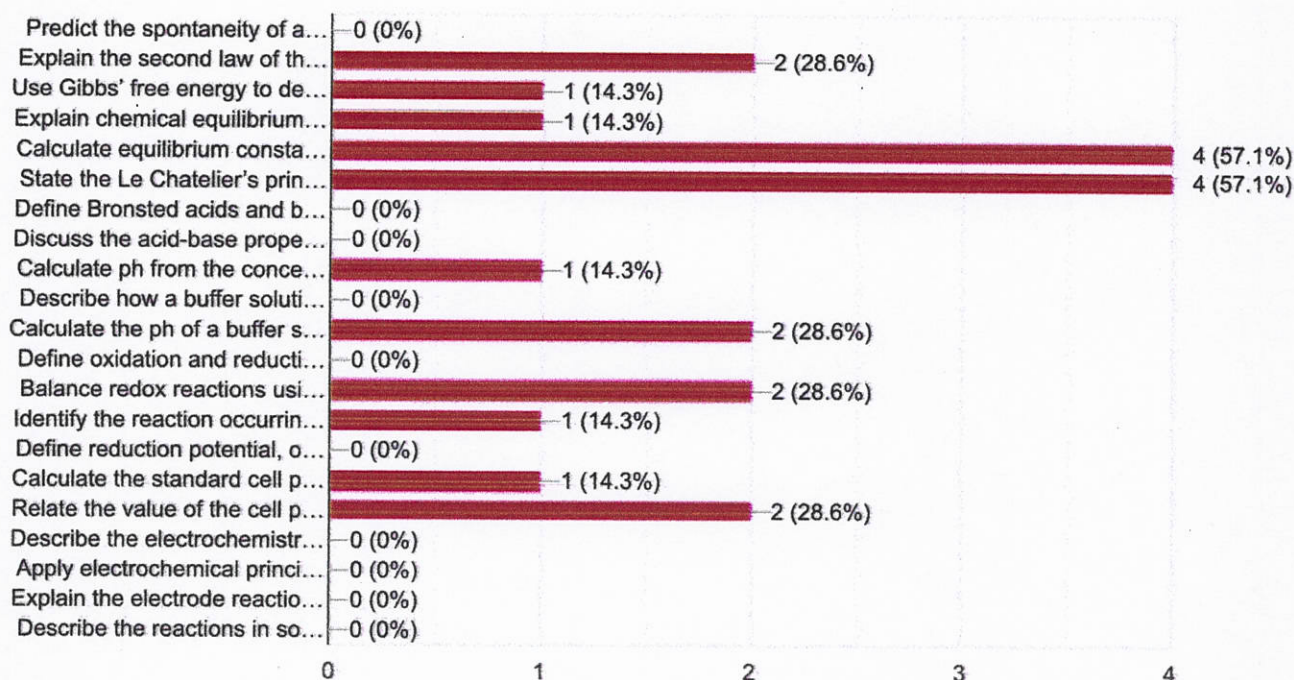
10 responses



SHS-General Chemistry 2

What is/are the least-learned MELC(s) in SHS-Gen. Chemistry 2 for the Second Half (2nd or 4th Quarter)?

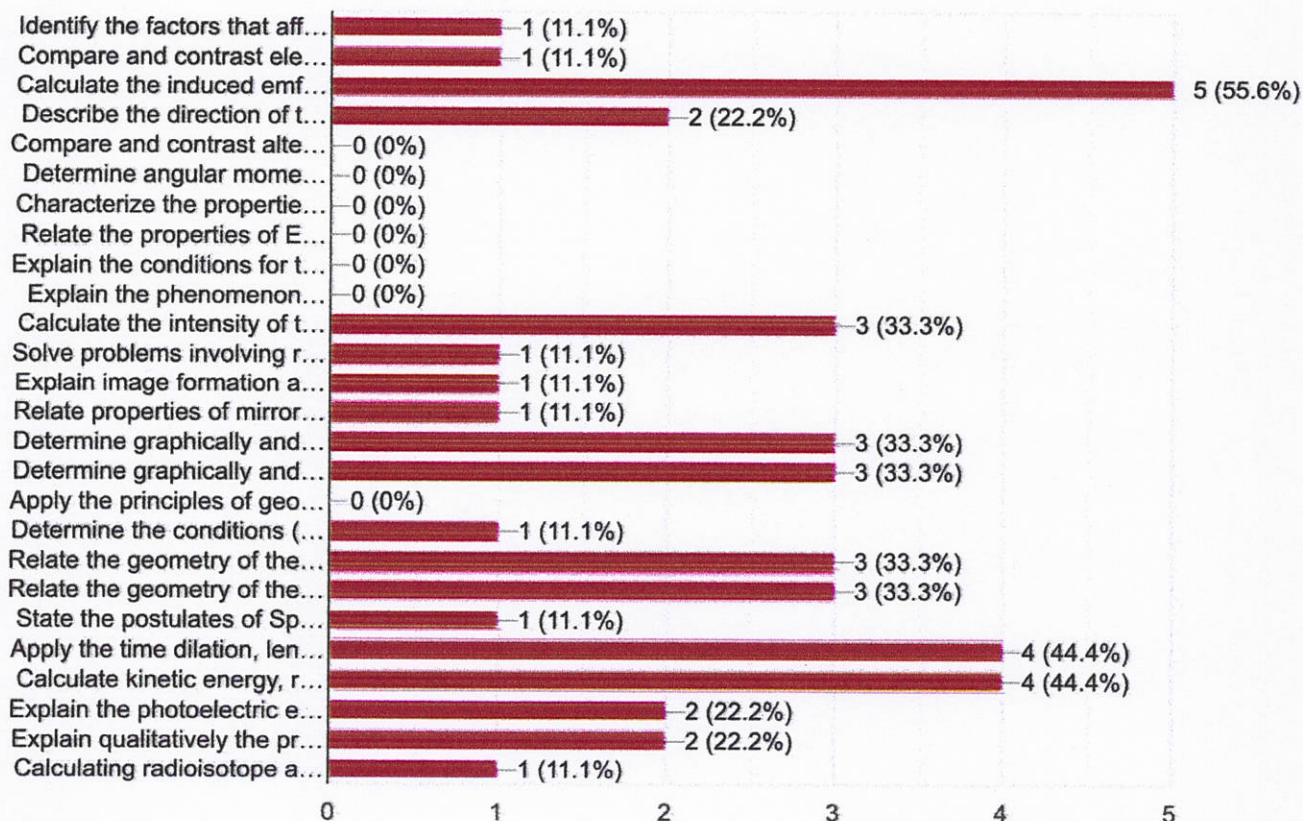
7 responses



SHS-General Physics 2

What is/are the least-learned MELC(s) in SHS-Gen. Physics 2 for the Second Half (2nd or 4th Quarter)?

9 responses



II. Learners' Proficiency Levels

A. Levels of Proficiency

Proficiency Level	MPS	Description
Highly Proficient	90-100	At this level, the students are highly skilled in solving problems. They can analyze and evaluate data to create/formulate ideas. They can effectively use and relate information in various contexts.
Proficient	75-89	At this level, students are skilled in solving problems. They can analyze and evaluate data to apply ideas. They can effectively use information in different contexts.
Nearly Proficient	50-74	At this level, students are able to use basic and procedural skills in solving problems. They can analyze and evaluate data to comprehend ideas. They can understand information in a given context.
Low Proficient	25-49	At this level, students are able to use procedural skills and identify strategies for solving problems. They can differentiate and organize the given information.
Not Proficient	0-24	At this level, students are able to use basic skills in solving simple problems. They can classify and identify the source of the given information.

B. Results

Science Subjects and General MPS	Proficiency Level				
	Did not meet expectations 70-74%	Fairly Satisfactory 75-79%	Satisfactory 80-84%	Very Satisfactory 85-89%	Outstanding 90-100%
Science 3 (77.8%)	59	240	837	2517	1262
Science 4 (73.8%)	222	851	1622	3642	1493
Science 5 (70.0%)	244	622	1273	2653	1121
Science 6 (71.3%)	137	431	1227	2096	1105
Total (Elem)	662	2144	4959	10908	4981
Science 7 (60.0%)	433	916	1291	1539	488
Science 8 (60.0%)	517	1057	1162	1328	501
Science 9 (64.3%)	49	237	344	304	224
Science 10 (64.7%)	11	239	592	366	328
Total (JHS)	1010	2449	3389	3537	1541
SHS-Gen. Bio. 2 (78.3%)	2	16	11	383	97
SHS-Gen. Chem. 2 (82.2%)	1	10	23	177	208
SHS-Gen. Physics 2 (70.6%)	20	42	231	311	286
Total (SHS)	23	68	265	871	591
GRAND TOTAL	1695	4661	8613	15316	7113

PERCENTAGE	4.5%	12.5%	23.0%	41.0%	19.0%
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In Quarter 4, 4.5% of the learners from Grades 3 to 12 are under the “Not Proficient” (0-24% MPS) level. At this level, learners are able to use basic skills in solving simple problems, and can classify and identify the source of the given information. 12.5% of the learners are under “Low Proficient” (25-49% MPS) level. Meaning, learners are able to use procedural skills and identify strategies for solving problems, and can differentiate and organize the given information. 23.0% of the learners are under the “Nearly Proficient” (50-74% MPS) level. This means that they can use basic and procedural skills in solving problems, and can analyze and evaluate data to comprehend ideas. They can also understand information in a given context. Among the proficient levels, both “Nearly Proficient” and “Proficient” levels have the highest number learner-distribution. 41.0% of the learners who are under the “Proficient” (75-89%) level are skilled in solving problems. They can analyze and evaluate data to apply ideas, and can effectively use information in different contexts. 19.0% of the learners are under the “Highly Proficient” (90-100%) level. These learners are highly skilled in solving problems. They can analyze and evaluate data to create/formulate ideas, and can effectively use and relate information in various contexts.

III. Quarterly Tests Used

Science Subjects	Type of Summative Tests Administered in Science			
	Sukdanan (Region-made)	Unified (SDO-made)	School-initiated	Others
Science 3	168	113	88	6
Science 4	179	93	83	10
Science 5	179	78	81	6
Science 6	180	88	47	4
Science 7	101	6	11	0
Science 8	101	10	9	1
Science 9	90	8	10	2
Science 10	100	6	8	1
SHS-Gen. Biology 2	10	1	0	0
SHS-Gen. Chemistry 2	6	1	0	0
SHS-Gen. Physics 2	10	0	0	0
TOTAL	1124	404	337	30
PERCENTAGE	59.3%%	21.3%%	17.8%%	1.6%

In the Academic Quarter 4 of SY 2022-2023, the Sukdanan Standardized Test is the most widely administered summative test at 59.3%, followed by the SDO unified test, and school-initiated tests.

IV. Challenges Encountered in Facilitating Learning in Science

1. Poor reading comprehension
2. Lack of learning resources/textbooks
3. Absenteeism due bad weather condition
4. Lack of lab equipment and apparatus

V. Recommendations

Based on the findings, the following are recommended:

- implement learning and development programs for teachers on pedagogical-content knowledge at the different governance levels (schools to RO level) targeting the least-learned competencies*;
- design, quality assure, and/or contextualize Strategic Intervention Materials SDOs, District Offices, and schools that will address the least-learned competencies*;
- design, quality assure, and administer high-quality assessments targeting learners 21st-century skills;
- track learners' proficiency levels in every quarter to compare the quarterly data every year*;
- conduct activities at the different governance levels (schools to RO level) to showcase and promote innovation on Science and STEM Education;
- share documented best practices and strategies that will improve Science Education;
- integrate reading activities in teaching Science; and
- conduct researches that will improve Science Education.

*Note: All recommendations with * will be achieved better if data are isolated by SDO, district, and school using the iCLASS dynamic links below. Users may get their PDF copy containing the active links from their Science EPSs at the SDO.*

LINKS FOR THE INTERNET- AND CLOUD-BASED LEARNING ASSESSMENT SUBMISSION SYSTEM (iCLASS) DYNAMIC SPREADSHEETS

Quarter 4, SY 2022-2023

Directions: Click the links below to view the realtime iCLASS responses of the science teachers across all levels. Each link below will lead you to an online spreadsheet that displays the iCLASS responses. Every time you refresh the webpage, it gets updated. Users of these links may download the dynamic spreadsheets and implement sorting commands to segregate their desired data (ex. data for a specific SDO only). It is recommended that users of these links shall help encourage teachers in sending iCLASS responses.

Science Subjects	Dynamic Links for the Spreadsheets
Science 3	Click this link.
Science 4	Click this link.
Science 5	Click this link.
Science 6	Click this link.
Science 7	Click this link.
Science 8	Click this link.
Science 9	Click this link.
Science 10	Click this link.
General Biology 2	Click this link.
General Chemistry 2	Click this link.
General Physics 2	Click this link.