



Republic of the Philippines
Department of Education
CARAGA REGION



April 4, 2023

REGIONAL MEMORANDUM
No. 0252, s. 2023

To: SCHOOLS DIVISION SUPERINTENDENTS
This Region

**LEAST-LEARNED COMPETENCIES, PROFICIENCY LEVELS, AND
MEAN PERCENTAGE SCORES, IN SCIENCE FOR ACADEMIC
QUARTER 2, 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 2, 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 2 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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2023-04-04477

Doc. Ref. Code	RO-ASD-F107	Rev	00
Effectivity	02.01.23	Page	1 of 2

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


MA. GEMMA MAERCADO LEDESMA
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
04/04/2023



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**RESULTS OF THE iCLASS QUARTER 2
SY 2022-2023**

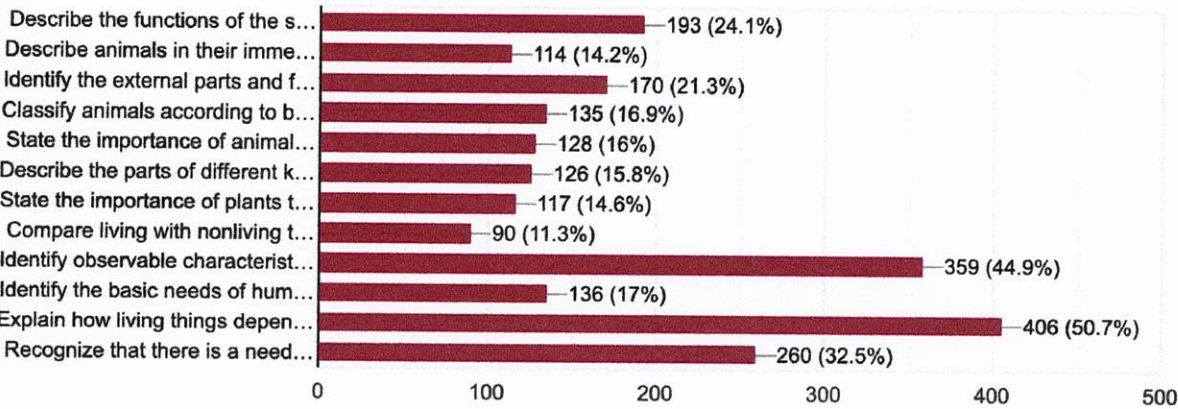
I. Least-learned MELCs

Note: In the bar graphs that follow, competencies with the longest bar are considered the most difficult MELCs based on the item analysis.

Science 3

What is/are the least-learned MELCs in Science 3 for the 2nd Quarter (Living Things and Their Environment)?

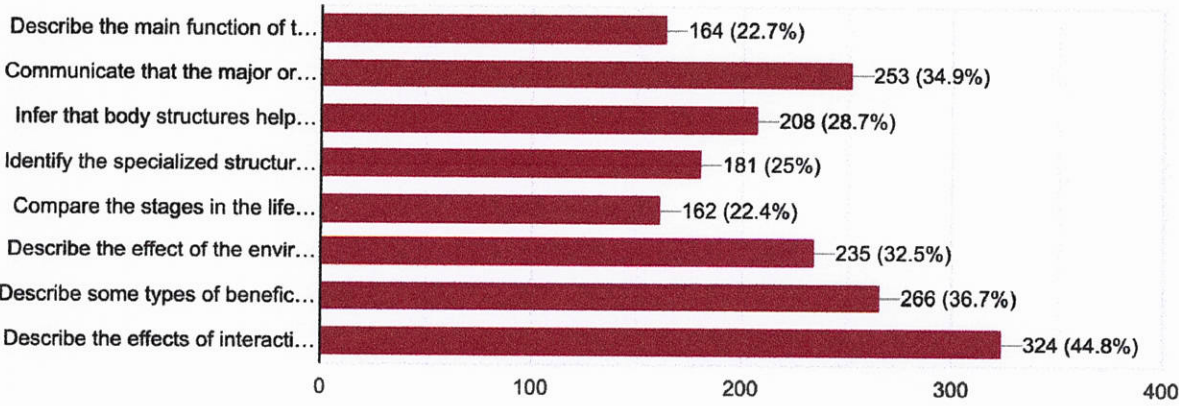
800 responses



Science 4

What is/are the least-learned MELCs in Science 4 for the 2nd Quarter (Living Things and Their Environment)?

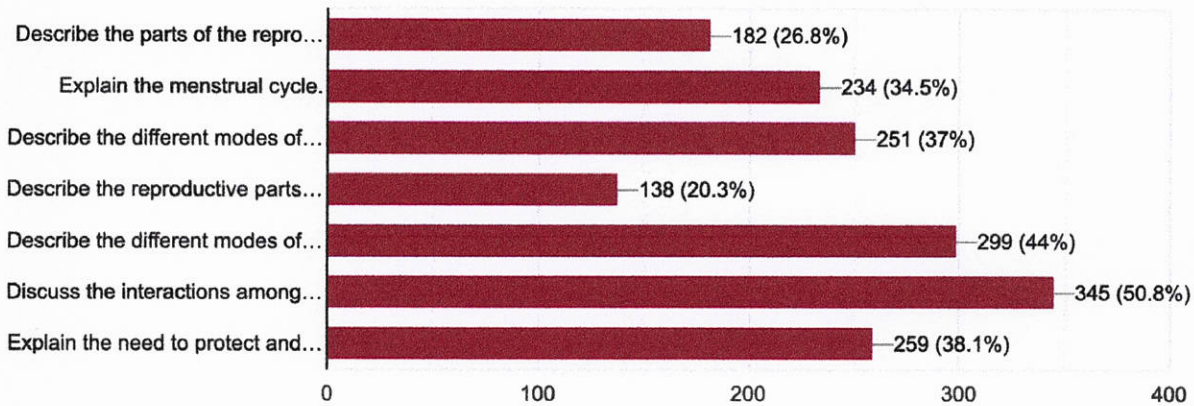
724 responses



Science 5

What is/are the least-learned MELCs in Science 5 for the 2nd Quarter (Living Things and Their Environment)?

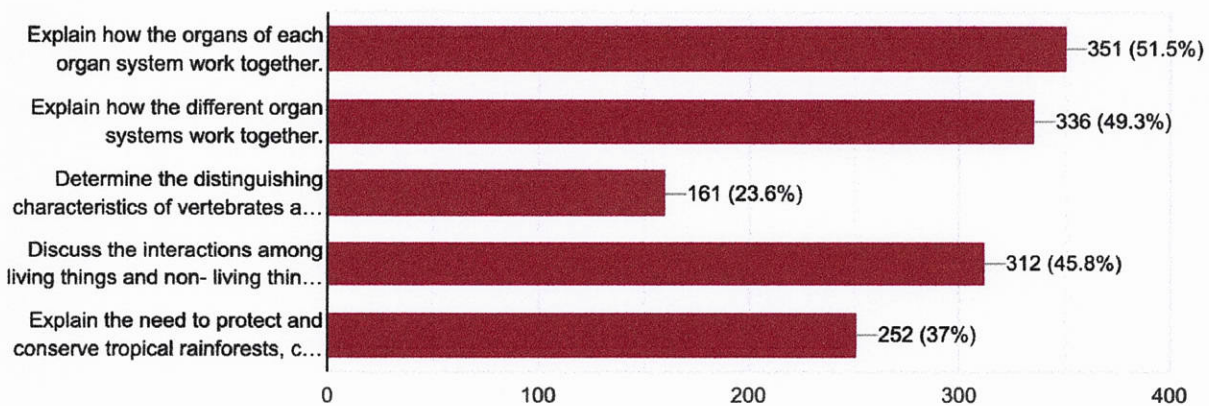
679 responses



Science 6

What is/are the least-learned MELCs in Science 6 for the 2nd Quarter (Living Things and Their Environment)?

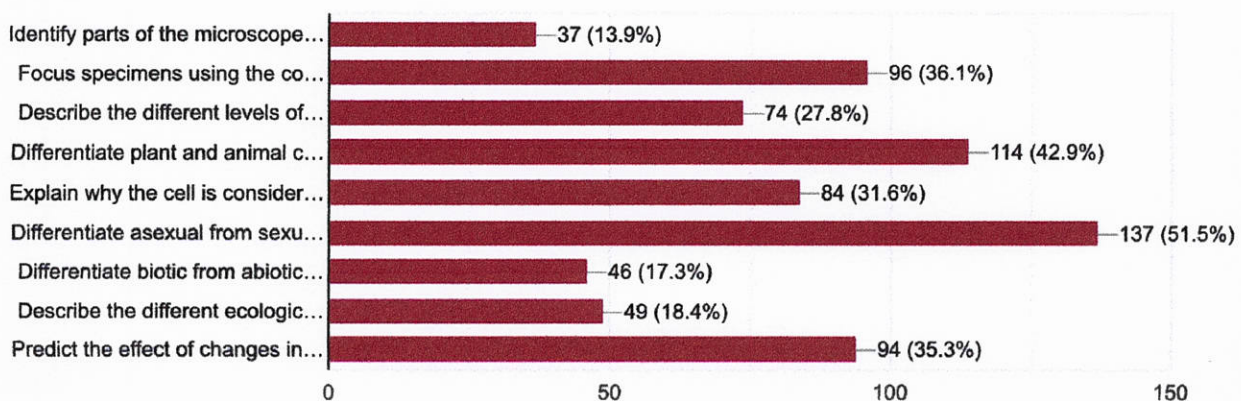
681 responses



Science 7

What is/are the least-learned MELCs in Science 7 for the 2nd Quarter (Living Things and Their Environment)?

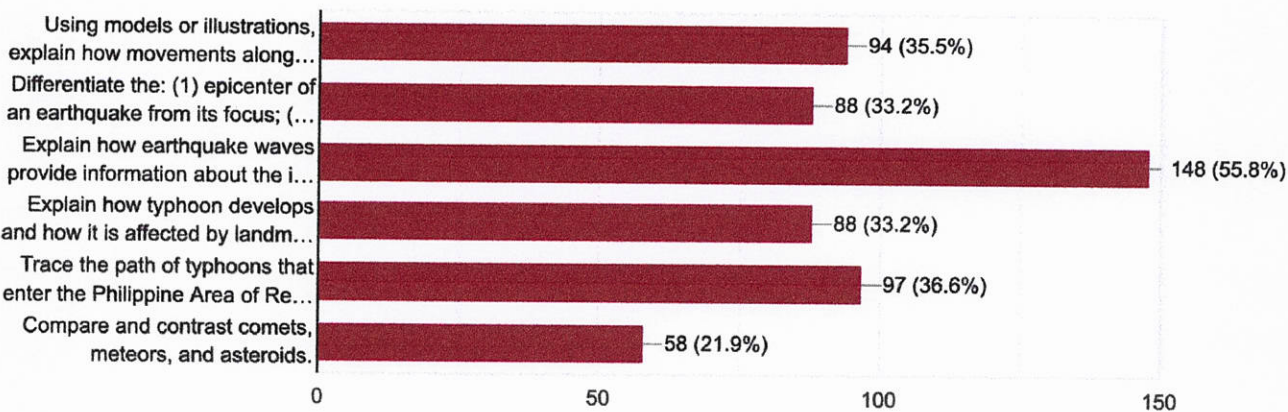
266 responses



Science 8

What is/are the least-learned MELCs in Science 8 for the 2nd Quarter (Earth and Space)?

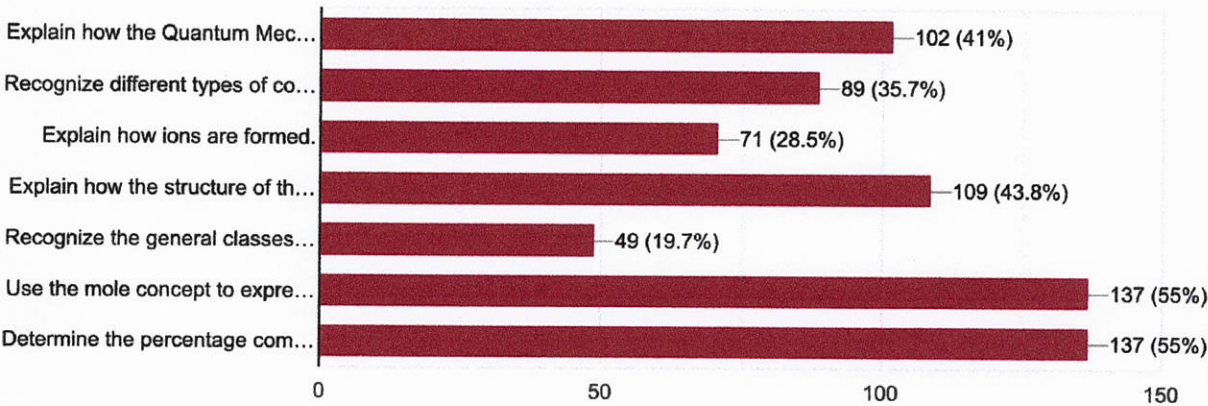
265 responses



Science 9

What is/are the least-learned MELCs in Science 9 for the 2nd Quarter (Matter)?

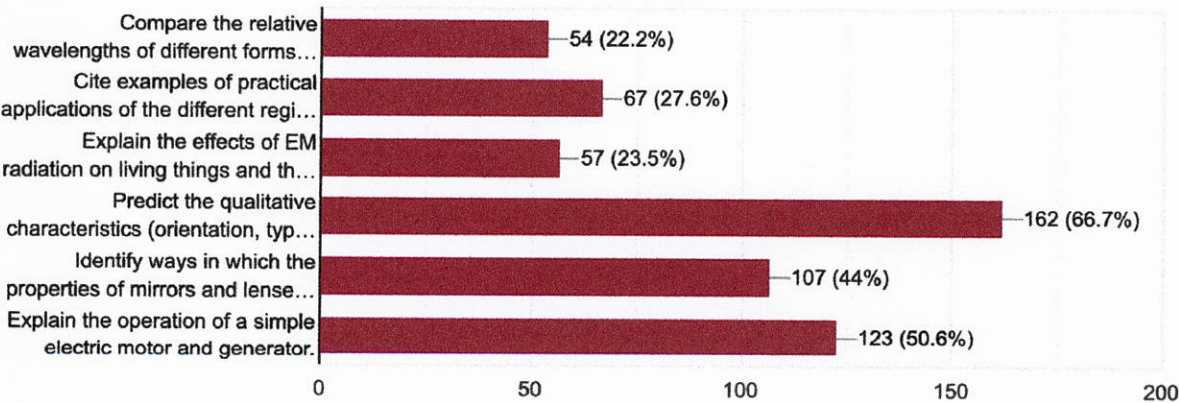
249 responses



Science 10

What is/are the least-learned MELCs in Science 10 for the 2nd Quarter (Force, Motion, and Energy)?

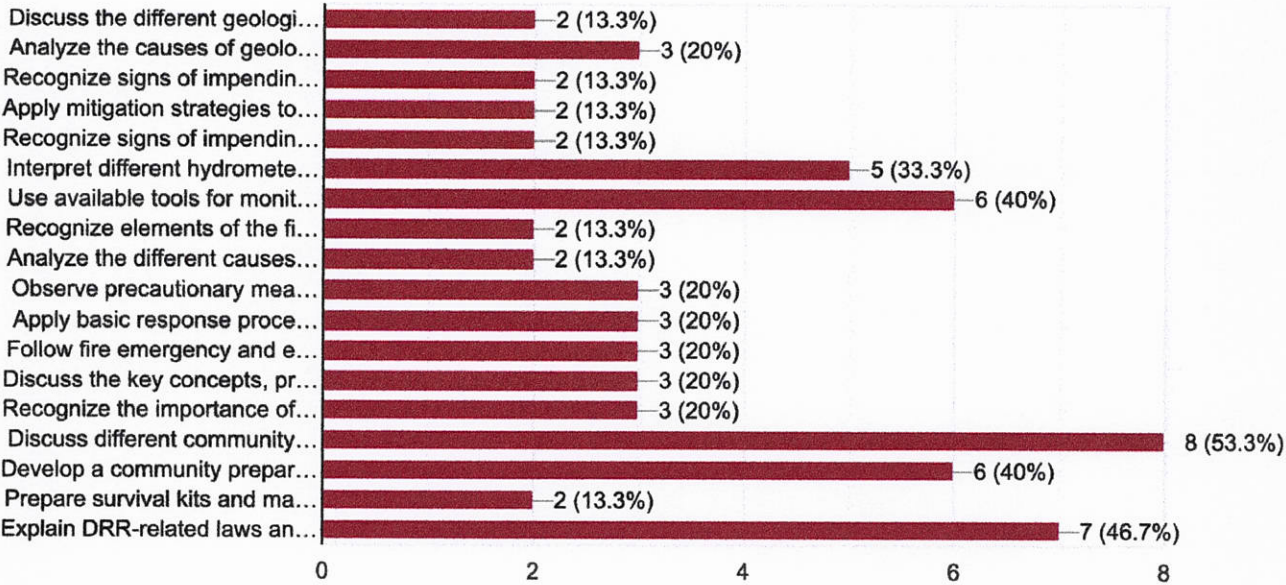
243 responses



SHS-DRRR

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

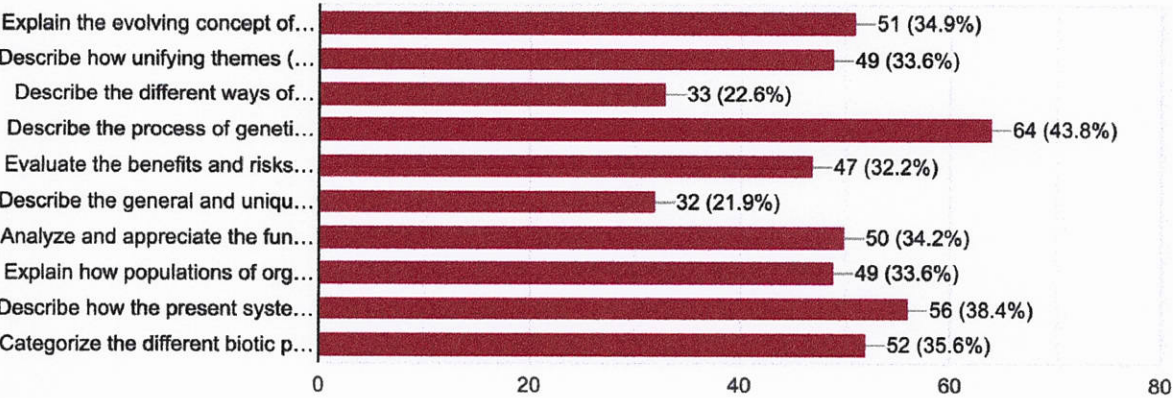
15 responses



SHS-Earth and Life Science

What is/are the least-learned MELC(s) in SHS-Earth and Life Science for the Second Half (2nd or 4th Quarter)?

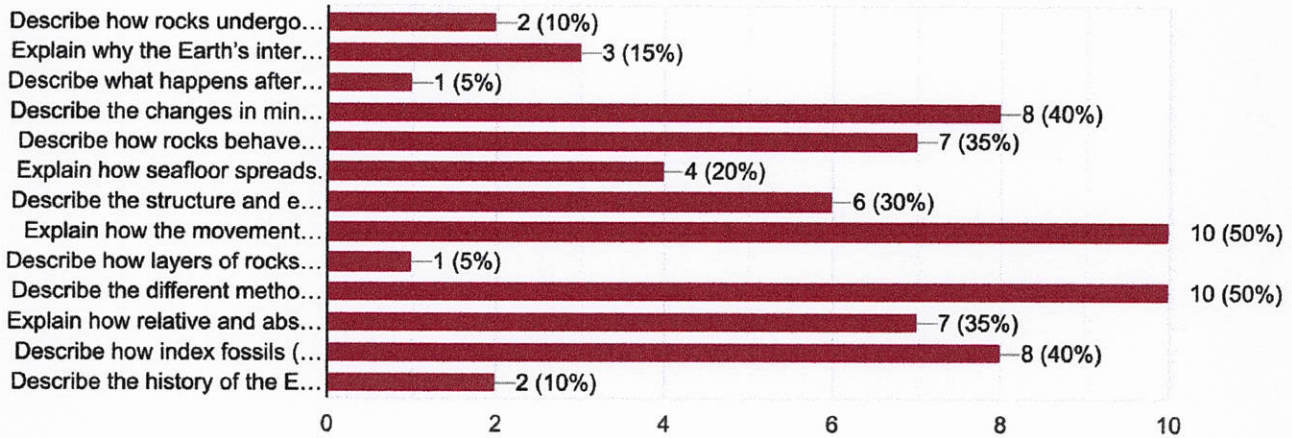
146 responses



SHS-Earth Science

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

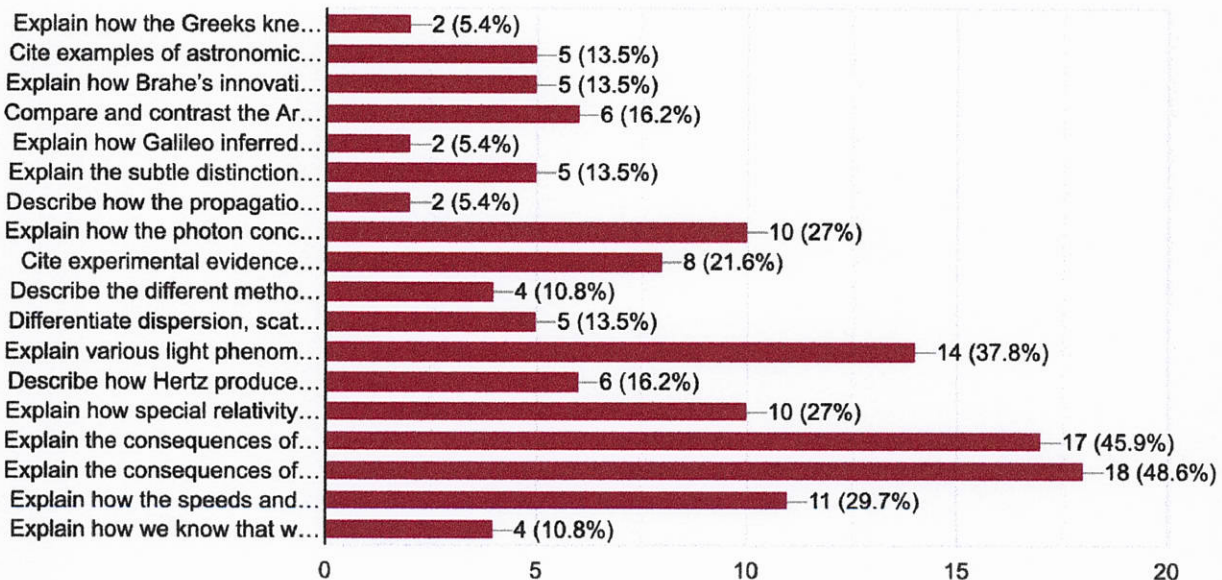
20 responses



SHS-Physical Science

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

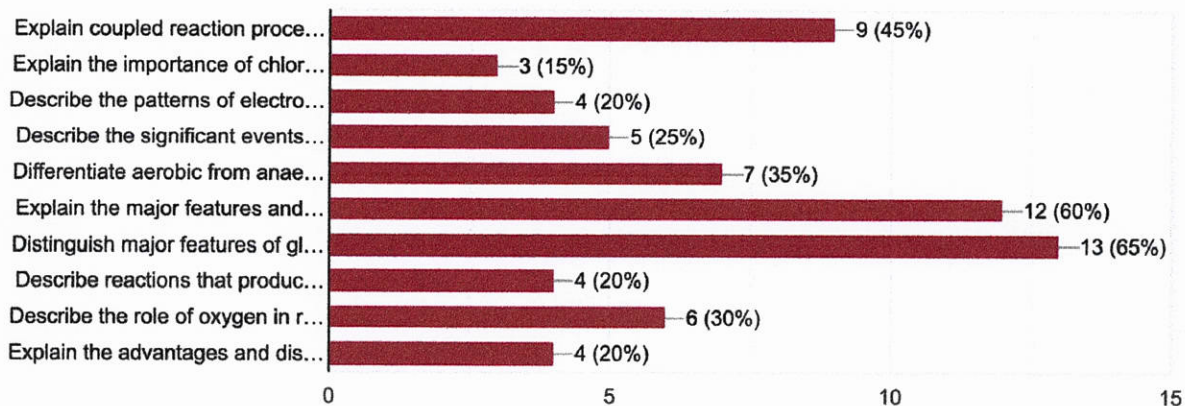
37 responses



SHS-General Biology 1

What is/are the least-learned MELC(s) in SHS-Gen. Biology 1 for the Second Half (2nd or 4th Quarter)?

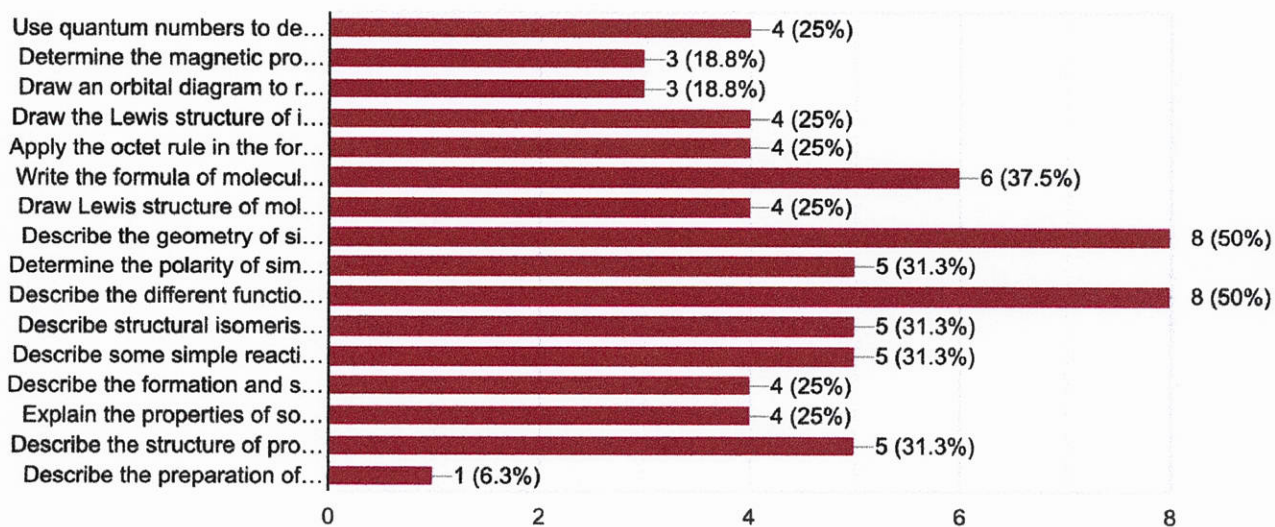
20 responses



SHS-General Chemistry 1

What is/are the least-learned MELC(s) in SHS-Gen. Chemistry 1 for the Second Half (2nd or 4th Quarter)?

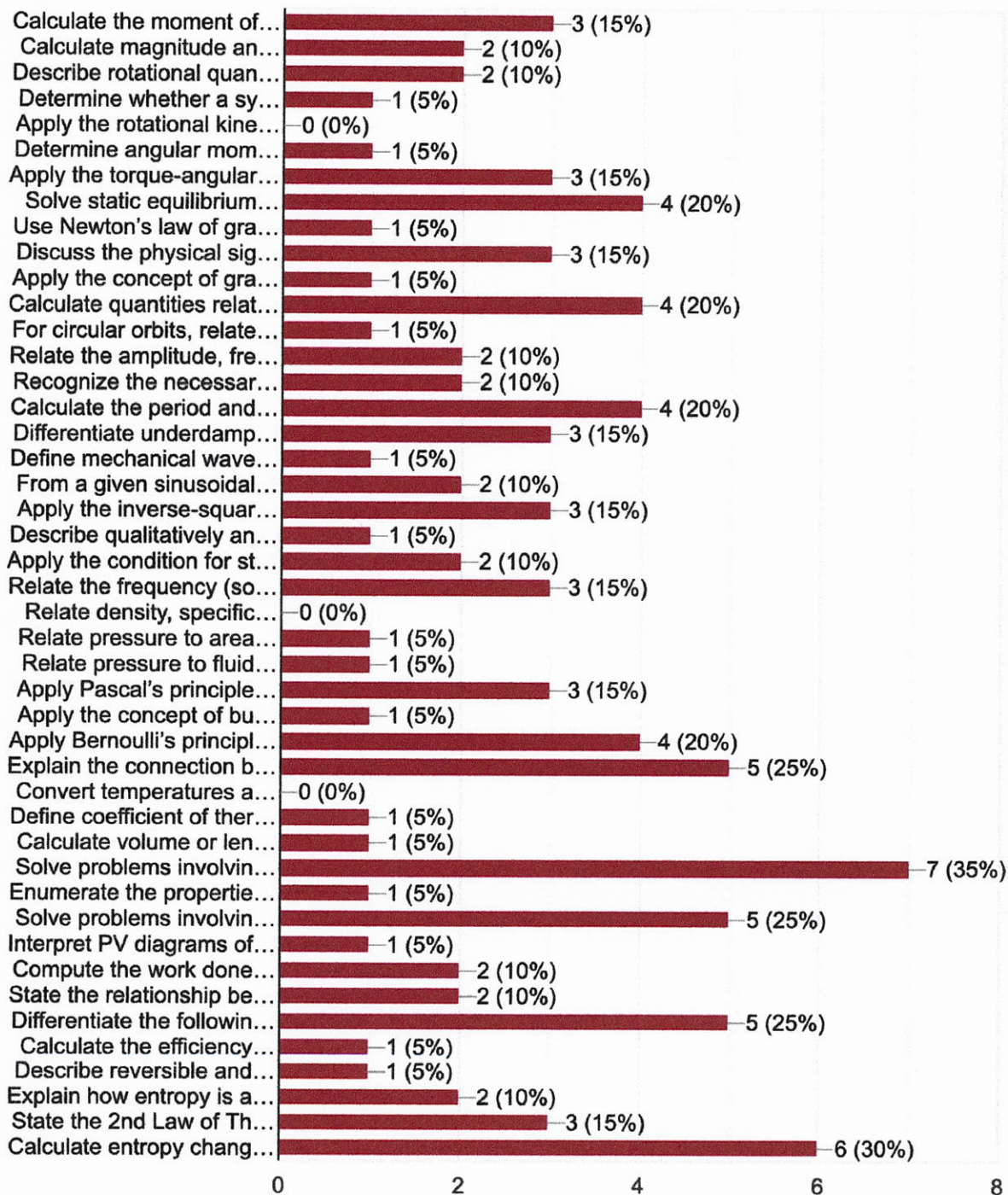
16 responses



SHS-General Physics 1

What is/are the least-learned MELC(s) in SHS-Gen. Physics 1 for the Second Half (2nd or 4th Quarter)?

20 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 Average MPS	Proficiency Level				
	Not Proficient 0-24%	Low Proficient 25-49%	Nearly Proficient 50-74%	Proficient 75-89%	Highly Proficient 90-100%
Science 3 (72.46%)	716	2433	6653	9585	3574
Science 4 (71.11%)	725	2729	6167	8947	2872
Science 5 (68.69%)	823	2992	6666	9571	2973
Science 6 (68.65%)	376	1679	4208	6307	2165
Total (Elem-94,086)	2640	9833	23694	34410	11584
Science 7 (63.16%)	1316	4006	6364	7258	2140
Science 8 (63.95%)	976	4284	7089	7295	2587
Science 9 (65.5%)	857	4682	6083	6379	2029
Science 10 (62.09%)	757	4295	6862	5945	2127
Total (JHS-99,153)	3906	17267	26398	26877	8883
SHS-DRRR (73.77%)	0	57	266	396	166
SHS-Earth and Life Science (62.78%)	289	1833	3192	2923	929
SHS-Earth Science (65.02%)	29	172	401	325	180
SHS-Physical Science (66.73%)	85	589	1255	1002	291
SHS-Gen. Biology 1 (70.31%)	10	109	314	514	155

SHS-Gen. Chemistry 1 (75.21%)	6	73	177	421	159
SHS-Gen. Physics 1 (71.19%)	12	234	559	406	319
Total (SHS-24,318)	431	3067	6164	5987	2199
Grand Total (Gr. 3-12)	6977 (3.8%)	30167 (16.5%)	56256 (30.7%)	67274 (36.7%)	22666 (12.4%)

In Quarter 2, 3.8% 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. 16.5% 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. 30.7% 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. 36.7% 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. 12.4% 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 Quarterly Tests Administered in Science			
	Sukdanan (Region-made)	Unified (SDO- made)	School- initiated	Others
Science 3	336	286	187	2
Science 4	388	172	170	24
Science 5	385	155	145	35
Science 6	396	205	82	14
Science 7	212	27	23	8
Science 8	216	31	18	3
Science 9	212	17	21	3
Science 10	202	27	12	4
SHS-DRRR	16	3	4	1
SHS-Earth and Life Science	125	20	24	1
SHS-Earth Science	17	1	3	1
SHS-Physical Science	37	5	4	1
SHS-Gen. Biology 1	16	0	4	2
SHS-Gen. Chemistry 1	14	0	2	1
SHS-Gen. Physics 1	17	4	2	1

TOTAL	2589 (59.6%)	953 (21.9%)	701 (16.1%)	101 (2.3%)
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In the Academic Quarter 2 of SY 2022-2023, the Sukdanan Standardized Test is the most widely administered summative test at 59.6%, 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

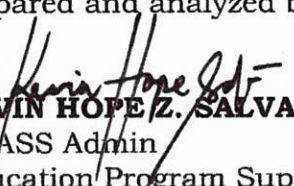
Quarter 2, SY 2022-2023

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.
DRRR	Click this link.
Earth Science	Click this link.
Earth and Life Science	Click this link.
Physical Science	Click this link.
General Biology 1	Click this link.
General Biology 2	Click this link.
General Chemistry 1	Click this link.
General Chemistry 2	Click this link.
General Physics 1	Click this link.
General Physics 2	Click this link.

Prepared and analyzed by:


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