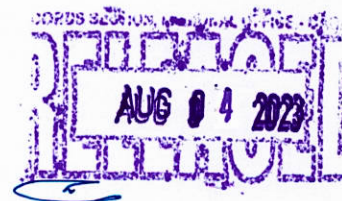




Republic of the Philippines
Department of Education
CARAGA REGION



August 3, 2023

REGIONAL MEMORANDUM

No. 721, s. 2023

To: SCHOOLS DIVISION SUPERINTENDENTS
This Region

**LEAST-LEARNED COMPETENCIES, PROFICIENCY LEVELS, AND
MEAN PERCENTAGE SCORES, IN SCIENCE FOR ACADEMIC
QUARTER 3, 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 3, 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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2023-08-11164

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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

BY THE AUTHORITY OF THE REGIONAL DIRECTOR:

MARILYN F. ANTIQUINA
Chief, QAD

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
08/03/2023



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**RESULTS OF THE iCLASS QUARTER 3
SY 2022-2023**

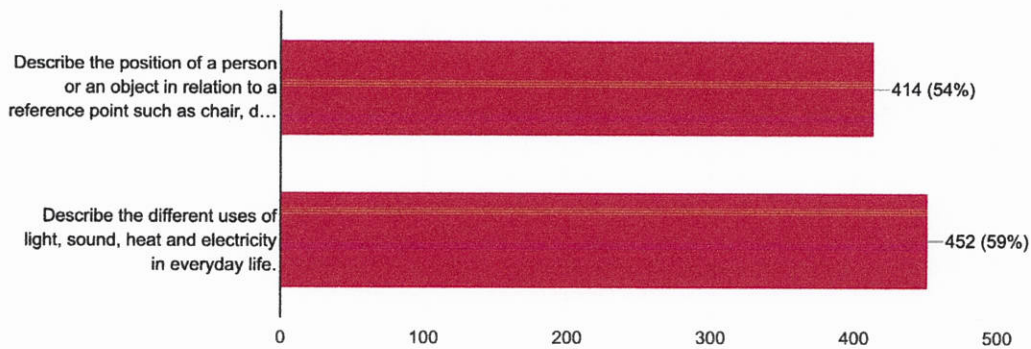
I. Least-learned MELCs

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 3rd Quarter (Force and Motion)?

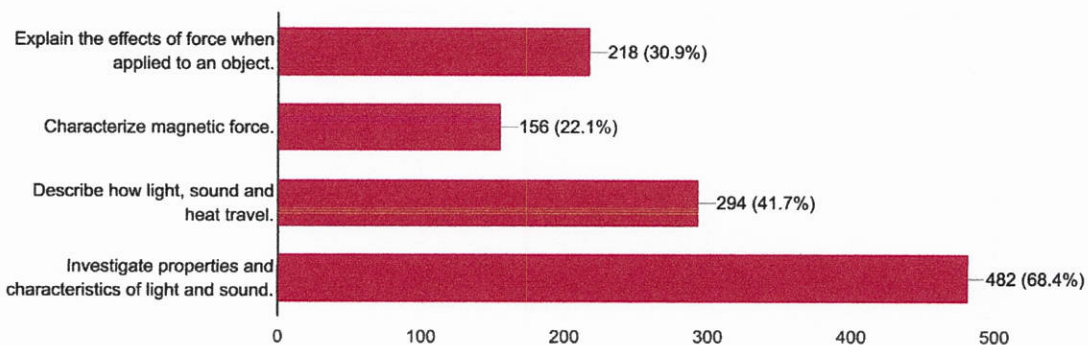
766 responses



Science 4

What is/are the least-learned MELCs in Science 4 for the 3rd Quarter (Force and Motion)?

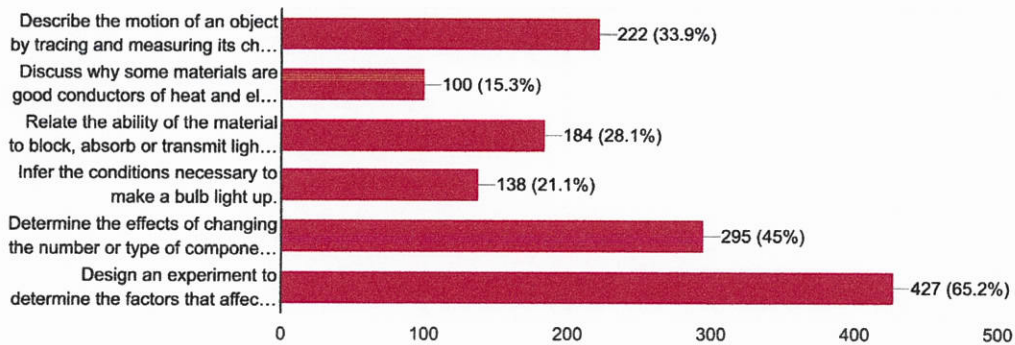
705 responses



Science 5

What is/are the least-learned MELCs in Science 5 for the 3rd Quarter (Force and Motion)?

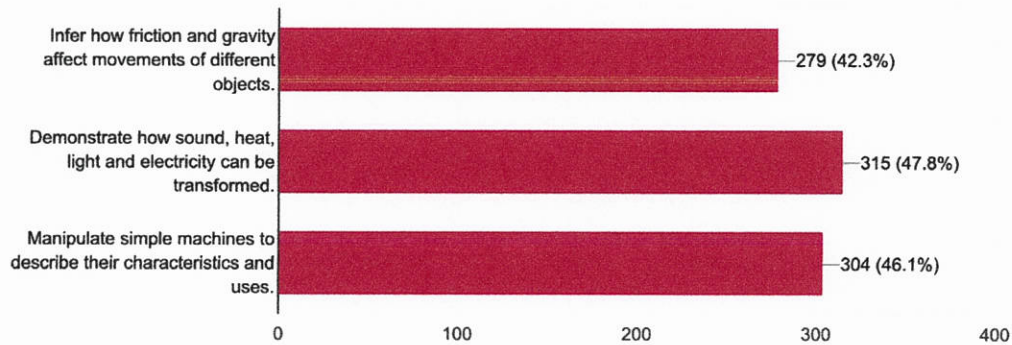
655 responses



Science 6

What is/are the least-learned MELCs in Science 6 for the 3rd Quarter (Force and Motion)?

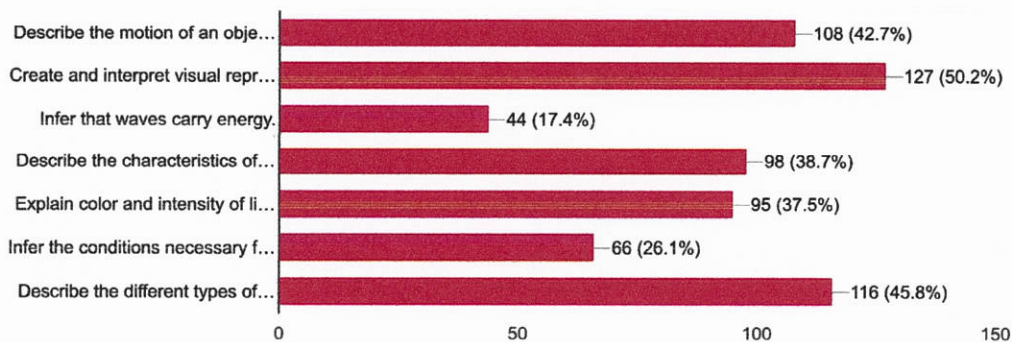
659 responses



Science 7

What is/are the least-learned MELCs in Science 7 for the 3rd Quarter (Force and Motion)?

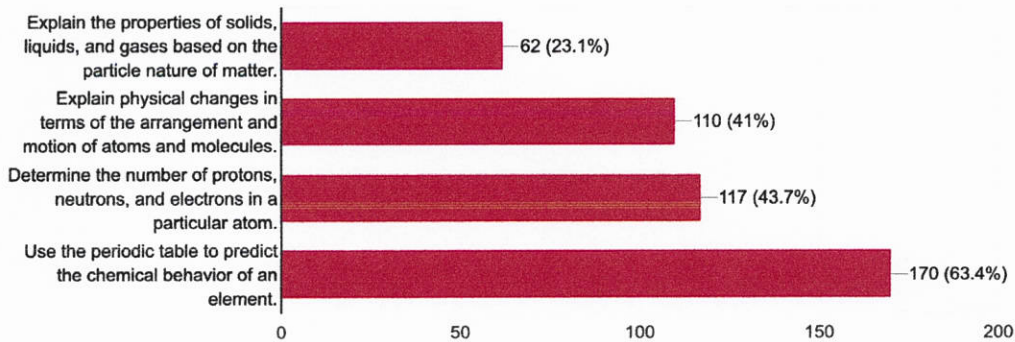
253 responses



Science 8

What is/are the least-learned MELCs in Science 8 for the 3rd Quarter (Matter)?

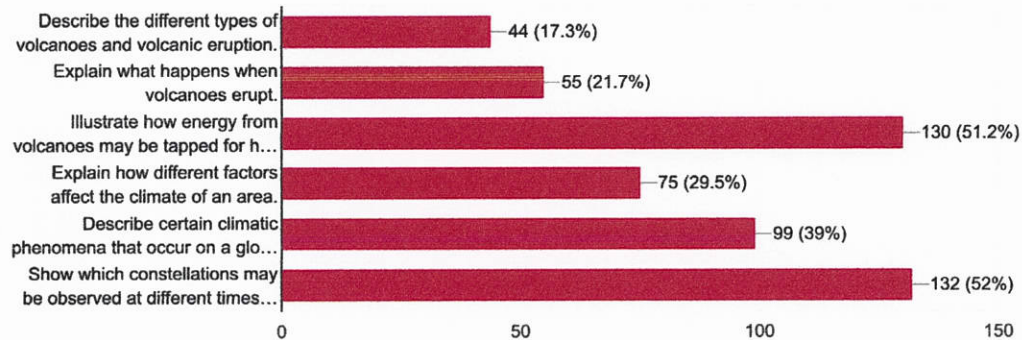
268 responses



Science 9

What is/are the least-learned MELCs in Science 9 for the 3rd Quarter (Earth and Space)?

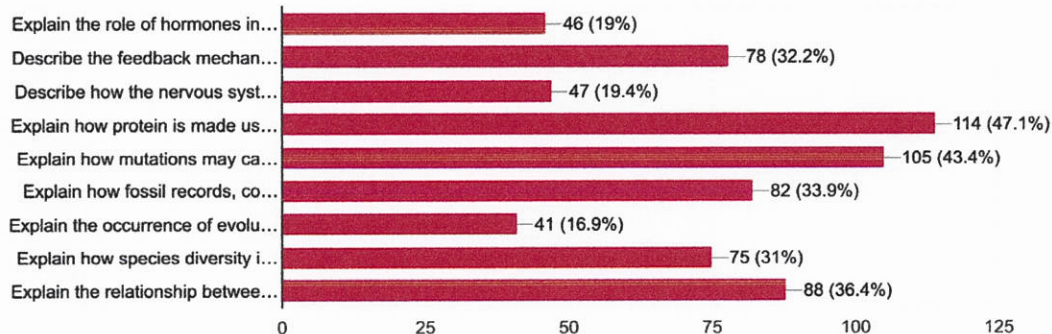
254 responses



Science 10

What is/are the least-learned MELCs in Science 10 for the 3rd Quarter (Living Things and Their Environment)?

242 responses



SHS-General Biology 2

What is/are the least-learned MELC(s) in SHS-Gen. Biology 2 for the First Half (1st or 3rd Quarter)?

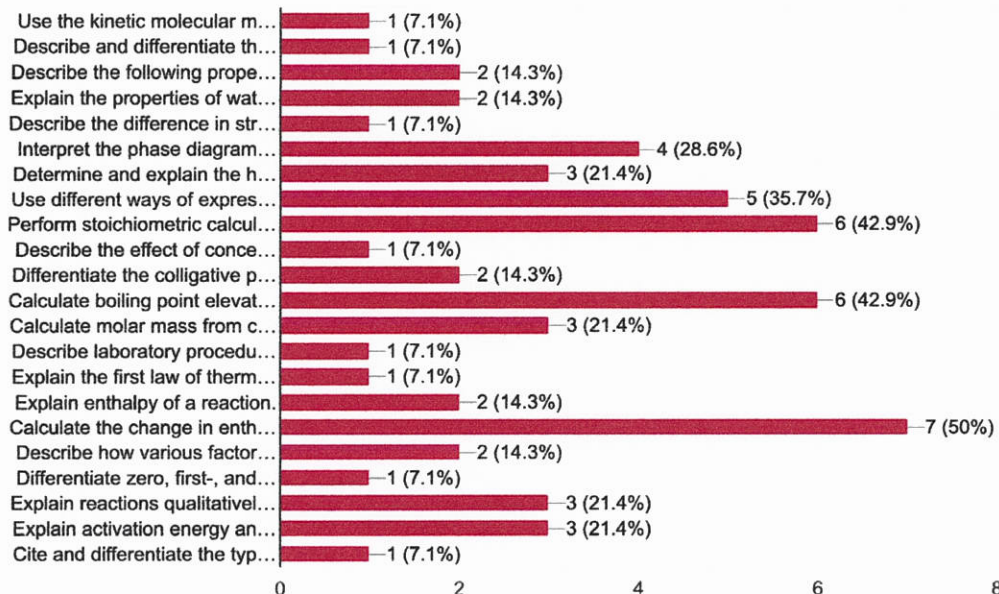
23 responses



SHS-General Chemistry 2

What is/are the least-learned MELC(s) in SHS-Gen. Chemistry 2 for the First Half (1st or 3rd Quarter)?

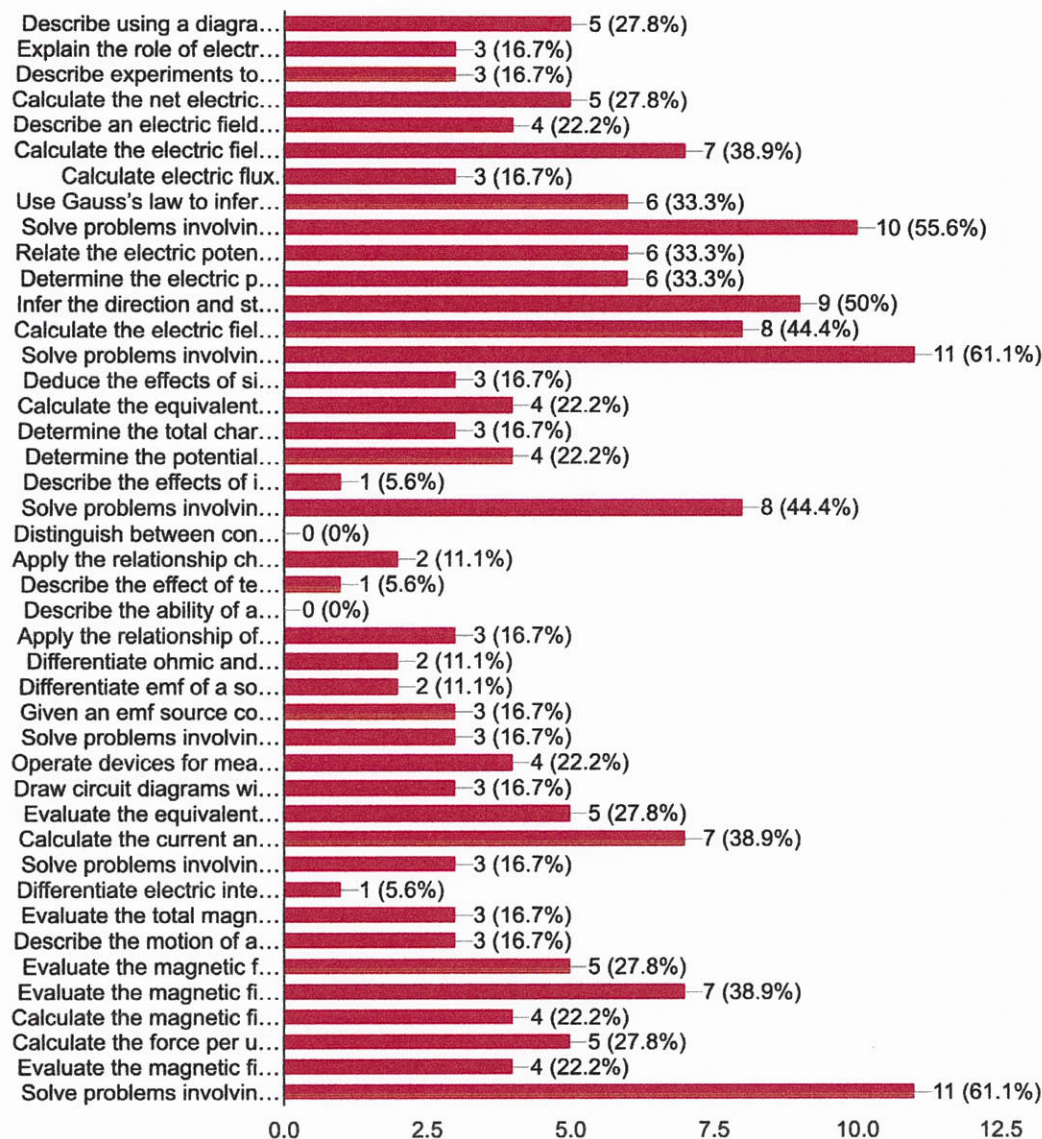
14 responses



SHS-General Physics 2

What is/are the least-learned MELC(s) in SHS-Gen. Physics 2 for the First Half (1st or 3rd Quarter)?

18 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 (75.5%)	365	1141	3422	7877	3888
Science 4 (73.36%)	560	2481	4647	8070	3048
Science 5 (71.64%)	272	1040	2969	4902	2050
Science 6 (68.65%)	228	908	2678	5502	2639
Total (Elem-94,086)	1425	5570	13716	26351	11625
Science 7 (63.58%)	352	1988	4243	3586	1271
Science 8 (66.90%)	293	1534	2783	4030	1419
Science 9 (65.86%)	428	1837	3398	4039	1640
Science 10 (64.78%)	199	1292	3193	3773	1473
Total (JHS-99,153)	1272	6651	13617	15428	5803
SHS-Gen. Biology 2 (76.32%)	5	41	279	841	314
SHS-Gen. Chemistry 2 (70.54%)	55	267	536	626	396
SHS-Gen. Physics 2 (72.20%)	3	123	678	449	209
Total (SHS-24,318)	63	431	1493	1916	919
Grand Total (Gr. 3-12)	2,760 (2.6%)	12,652 (11.9%)	28,826 (27.1%)	43,695 (41.1%)	18,347 (17.3%)

In Quarter 3, 2.6% 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. 11.9% 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. 27.1% 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. 41.1% 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. 17.3% 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	388	250	150	6
Science 4	398	178	143	8
Science 5	411	142	106	16
Science 6	420	166	84	5
Science 7	221	24	15	0
Science 8	228	23	20	5
Science 9	219	25	18	2
Science 10	214	21	10	6
SHS-Gen. Biology 2	24	1	3	1
SHS-Gen. Chemistry 2	15	2	3	1
SHS-Gen. Physics 2	15	2	4	0
TOTAL	2553	834	556	50

In the Academic Quarter 3 of SY 2022-2023, the Sukdanan Standardized Test is the most widely administered summative test at 63.9%, 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 3, 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.