

LOURDES SCHOOL OF MANDALUYONG

HIGH SCHOOL DEPARTMENT



PAASCU ACCREDITED Level II

SUBJECT AREA ACCOMPLISHMENT REPORT AY 2022-2023

SUBJECT AREA: Science & Technology

SUBJECT AREA COORDINATOR: Mr. Khizz Alvin P. Atlas

SUBJECT TEACHERS: Ms. Jennalyn A. Cruz, Mr. Lauren Robertson M. Tolentino, Mrs. Kim P. Muhi, Mr. Christian Nino E. Sasa, Ms. Red E. Candaza

A. Curriculum and Instruction 1. Implemented Curriculum

Grade Level	Implement Curriculum (Percentage: $100 \times (\text{no. of units covered} / \text{total units for the year})$)	Recommendation
Grade 7	98%	<ul style="list-style-type: none"> > Design more student-centered classroom activities that are aligned in the learning objectives. > Plan and employ effective subject routines to ensure smoothly delivery of instructions and for the adherence to allotted class period. > Deepen understanding of the school's vision-mission, thrust, to effectively integrate them with the class activities.
Grade 8	92%	<ul style="list-style-type: none"> > Continue designing classroom activities aligned with the learning objectives. > Deepen understanding of the school's vision-mission, thrust, to effectively integrate them with the strategies and activities used in the class. > Plan and employ effective subject routines to ensure adherence to allotted class period.
Grade 9	95%	<ul style="list-style-type: none"> > Design more student-centered activities/strategies that targets maximum participation among students. > Continue employing effective subject routines to ensure adherence to allotted class period. > Invite experts/resource person to help facilitate/deliver complex concepts and principles.

Grade 10	98%	<ul style="list-style-type: none"> > Invite experts/resource person to help facilitate/deliver complex concepts and principles. > Review/revisits among the students the various functions of scientific calculator. > Train the students to enhance their self-regulated learning.
Science Research	100%	<ul style="list-style-type: none"> > Design more student-centered classroom activities that are aligned in the learning objectives. > Train students to enhance their research skills, to become more creative and critical thinkers, and problem solvers. > Invite experts/resource person to help facilitate/deliver complex/technical aspects of research study.

2. Curricular Program/ Adjacent Programs Evaluation

Programs	Points for Improvement
Subject Area Program - Science	<ul style="list-style-type: none"> > Introduction of more innovative teaching strategies and approaches in the delivery of instructions > Introduction of new contests/activities during Academic Month Celebration > Provision for Training Program for scientifically inclined students
Investigative Research Project (IRP)	<ul style="list-style-type: none"> > Reintroduction of IRP to students in grades 7 to 9. > Provision for trainings/workshops among teachers to develop their research and facilitating skills, and to learn the trends in conducting investigatory projects. > Continuous implementation of Investigative Research Project Integration with other areas (English – Technical Writing; Math – Data Science) > Intensification of partnership with ScienceStar Corp., and other institutions for laboratory testing of students' IRP
Science Experiment Program	<ul style="list-style-type: none"> > Continuous preparation and compilation of teacher-made experiments and activities > Provision for more trainings for laboratory assistants on conducting minor repairs of equipment, administering first aid, and other important laboratory measures.
Science Laboratory Orientation Program	<ul style="list-style-type: none"> > Intensification of Science Laboratory Orientation Program to emphasize Laboratory Safety Agreement and Laboratory Gown Policy.
Project LIFE	<ul style="list-style-type: none"> > Revision/update to include and integrate the Laudato Si goals to widen Lourdesians' Initiatives

B. Teacher Development

Teacher	Strengths	Points for Improvement
Ms. Jennalyn A. Cruz	<ul style="list-style-type: none"> > Displays thorough knowledge of the subject matter > Maximizes demonstration and hands-on activities inside the classroom to keep her students engage > Accommodates well the students' questions and responses > Open to comments and suggestions 	<ul style="list-style-type: none"> > Establishment of routines inside the classroom > Classroom management > Formulation of questions that will develop the higher order thinking skills of students. > In – depth treatment of the subject matter - Integration across disciplines > Provision for student-centered strategies > Use of varied and innovative teaching strategies > Consistency in monitoring the performance of the students – Providing immediate feedback to students
Mr. Lauren Robertson M. Tolentino	<ul style="list-style-type: none"> > Has a good sense of responsibility > Displays thorough knowledge of the subject matter > Prepares well-written and well-organized documents like Learning Plans > Effective classroom management (with established routines) > Use of varied and innovative teaching strategies > Consistent in providing timely feedback to parents regarding students' performance > Always dedicated to personal and professional growth 	<ul style="list-style-type: none"> > In – depth treatment of the subject matter > Consistency in providing values integration in the lesson and integration across disciplines > Use of community resources (human & equipment) to enhance class instructions
Mrs. Kim P. Muhi	<ul style="list-style-type: none"> > Very organized in the planning and preparation of her lessons > Displays thorough knowledge of the subject matter > Effective classroom management (with established routines) > Use of varied and innovative teaching strategies 	<ul style="list-style-type: none"> > In – depth treatment of the subject matter > Consistency in providing values integration in the lesson and integration across disciplines > Use of community resources (human & equipment) to enhance class instructions

	> Punctual and regular submission of academic documents	> Provision for more laboratory experiments and activities
Mr. Christian Nino E. Sasa	> Use of technology to enhance teaching and learning process > Displays thorough knowledge of the subject matter > Effective classroom management (with established routines) > Use of varied and innovative teaching strategies	> Consistency in providing values integration in the lesson and integration across disciplines > Use of community resources (human & equipment) to enhance class instructions > Consistency in monitoring the performance of the students – Providing immediate feedback to students > Be punctual in submission of academic documents
Ms. Red E. Candaza	> Continuously made herself available for consultation to students with academic concerns. > Establishes good rapport with students > Submits documents regularly and punctually > Provides creative and relevant routines	> Consistency in providing values integration in the lesson and integration across disciplines > Pacing of lessons appropriate to the needs of students > Use of community resources (human & equipment) to enhance class instructions

C. Student Development

Grade Level	Percentage of Failures	Reasons for Failure
Grade 7	0	
Grade 8	0	
Grade 9	0	
Grade 10	0	

D. Instructional Materials Development

Summary of Instructional Materials Used by Teachers

Teacher	Materials
Ms. Jennalyn A. Cruz	> Slide Presentations > Charts and Diagrams > Learning Activity Sheets > DIY Home Experiment Sheets > Online Applications -PHet Simulations > LMS: Schoology > Instructional Videos (Youtube Videos)
Mr. Lauren Robertson M. Tolentino	> Slide Presentations > Charts and Diagrams > Learning Activity Sheets

	<ul style="list-style-type: none"> > Home Experiment Sheets > Online Applications Mentimeter Kahoot Java Labs PHet Simulations Schoology Google Apps oPhysics Fault Finder Jamboard Tokyo Electron - Dr. Elements MyPlate App News Article Sites (Phil. Star and Phil. Daily Inquirer) > LMS: Schoology
Mrs. Kim P. Muhi	<ul style="list-style-type: none"> > Learning Logs > Manipulatives in Chemistry > Charts & Models > Online Applications: padlet.com quizziz.com menti.com wordwall.com jamboard Blood typing game PHET simulation (Projectile Motion) Constellation Model Kit PHET simulation (Faradays Law) Physics-Interactives/Momentum-and-Collisions/Egg-Drop/Egg-Drop-Interactive > LMS: Schoology
Mr. Christian Nino E. Sasa	<ul style="list-style-type: none"> > Slide Presentations > Charts, Diagrams , Models > Learning Activity Sheets > DIY Home Experiment Sheets > Online Applications: Mentimeter Kahoot Kialo NOVA Labs PHet Simulations Schoology Padlet Google Apps > LMS: Schoology
Ms. Red E. Candaza	<ul style="list-style-type: none"> > PowerPoint Presentations > Google Docs > YouTube videos > Students' research (previous batches) > LMS: Schoology

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