CONTINUOUS IMPROVEMENT program
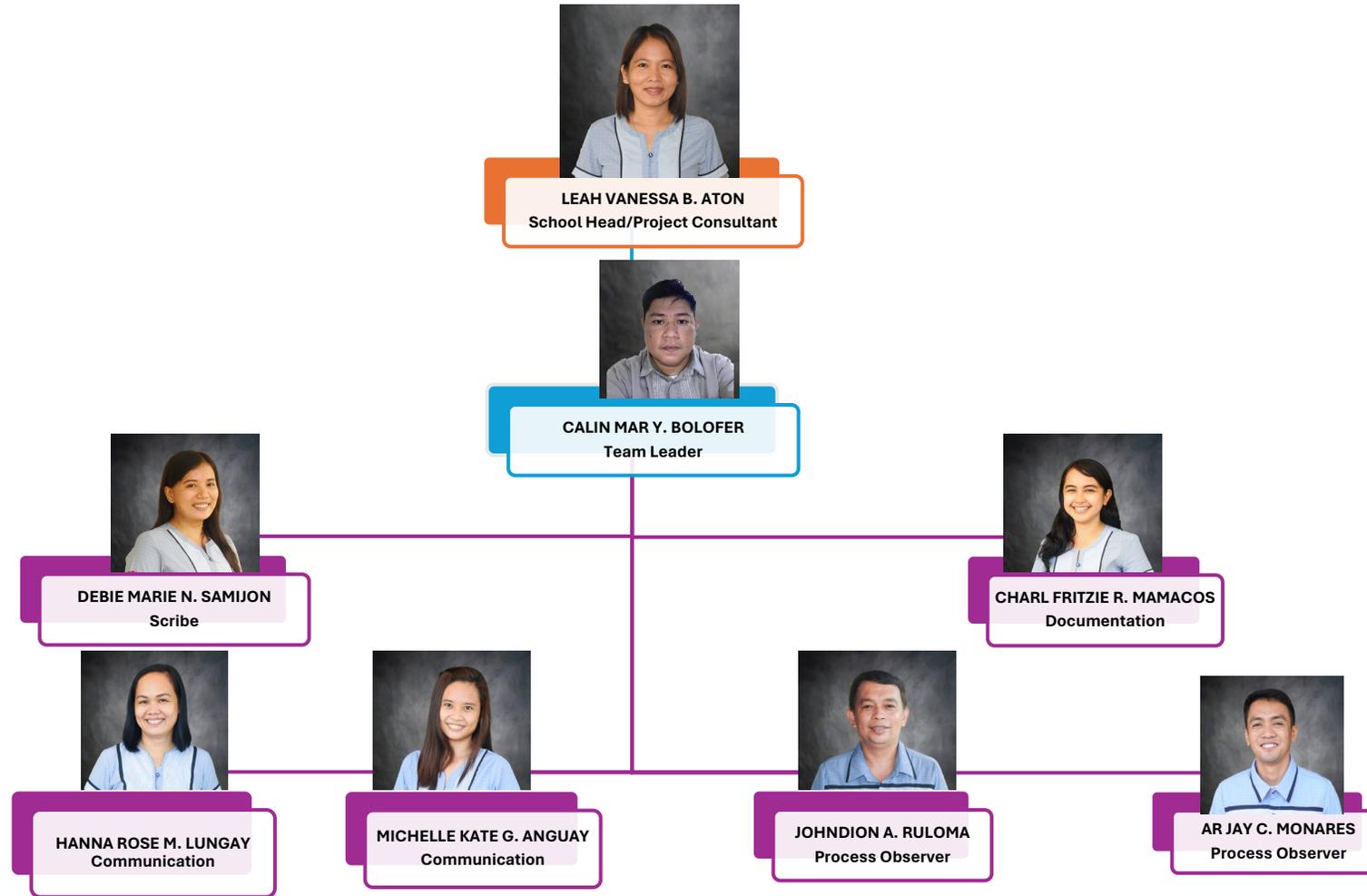
SHINE

"Project SHINE: Sequestered Headset Instruction towards Novel Education"

MAYOR ANUNCIACION R. TUAZON NATIONAL SCHOOL OF FISHERIES
Calape District

Sequestered Headset
Instruction towards Novel Education (SHINE) Team

LEAH VANESSA B. ATON
School Head/Project Consultant

CALIN MAR Y. BOLOFER
Team Leader

DEBIE MARIE N. SAMIJON
Scribe

CHARL FRITZIE R. MAMACOS
Documentation

HANNA ROSE M. LUNGAY
Communication

MICHELLE KATE G. ANGUAY
Communication

JOHNDION A. RULOMA
Process Observer

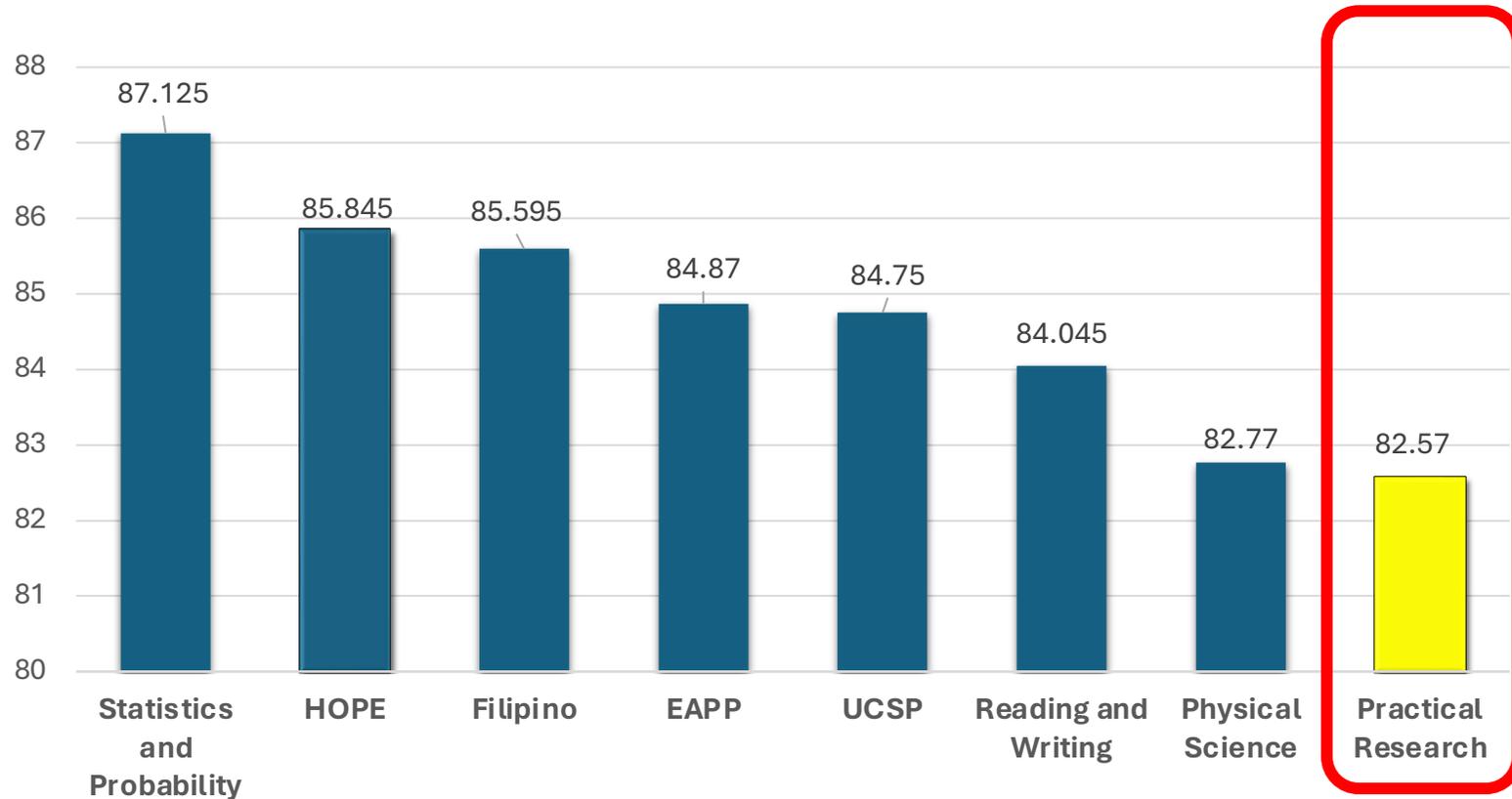**AR JAY C. MONARES**
Process Observer

i2

Where were we before?

Various instructional approaches and educational methods have been used before.
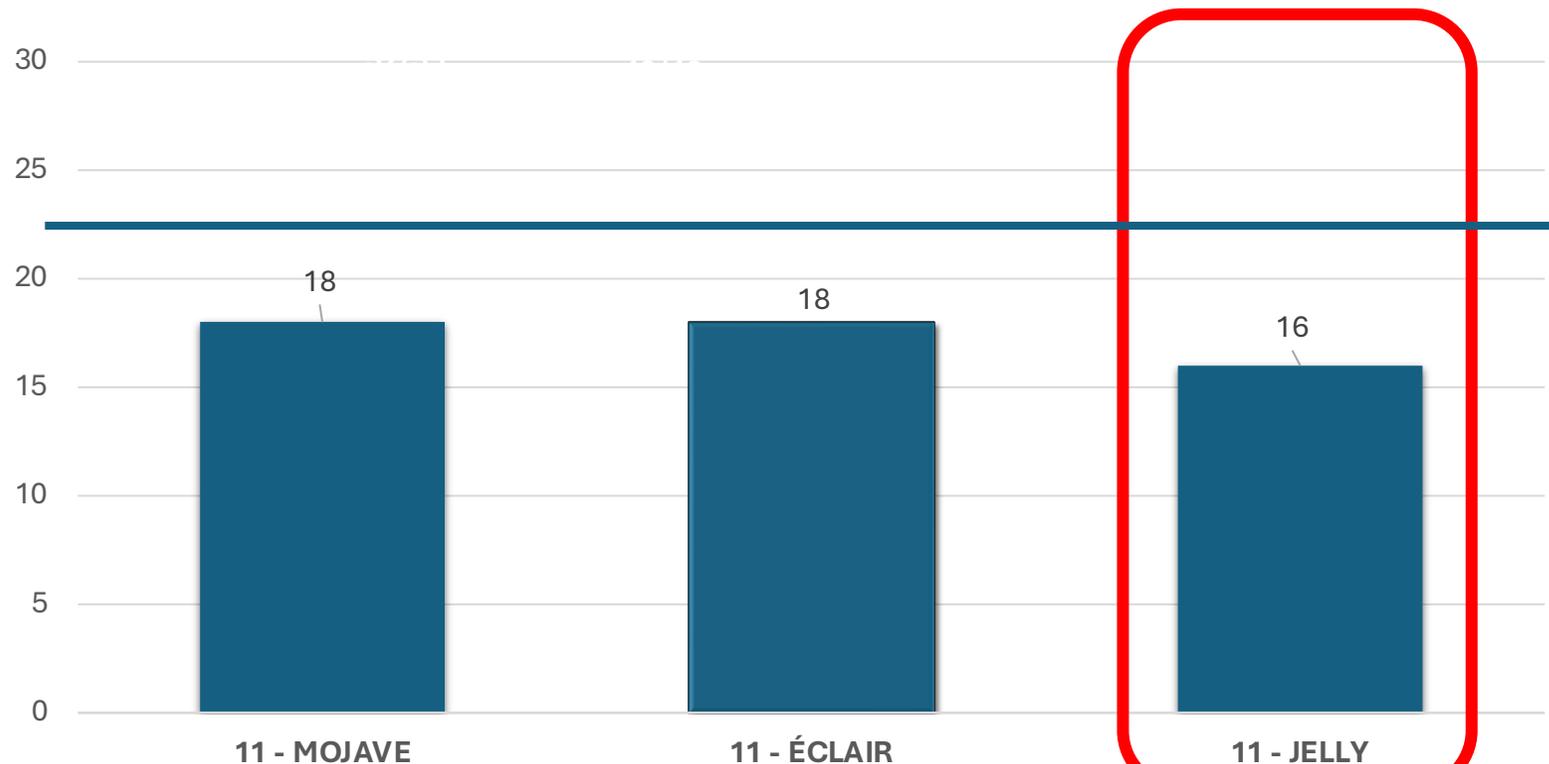
School Performance Background

SEMESTRAL REPORT ON ASSESSMENT OF
GRADE 11 LEARNERS
(2ND SEMESTER, SY 2021-2022)

Where are we now?

Current Performance Output

**AVERAGE SCORES ON
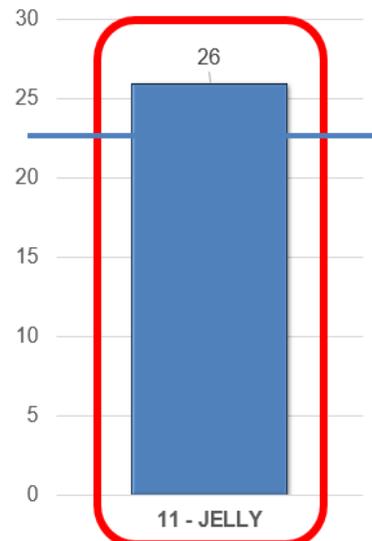1ST SUMMATIVE TEST IN PRACTICAL RESEARCH
(QUARTER 3, SY 2022-2023)**

Score	11 - MOJAVE	11 - ÉCLAIR	11 - JELLY
	18	18	16

Rollout
Comparison of Process Performance

PILOT

ROLLOUT
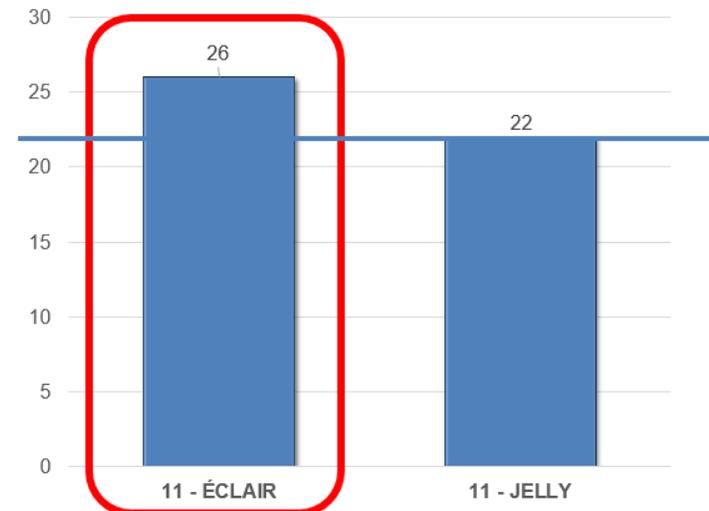

AVERAGE SCORES ON
2nd SUMMATIVE TEST IN PRACTICAL RESEARCH
(QUARTER 3, SY 2022-2023)

AVERAGE SCORES ON
4th SUMMATIVE TEST IN PRACTICAL RESEARCH
(QUARTER 3, SY 2022-2023)

How did we do it?

Voice of the Learner

Step 2

- **Dili ko kasabot sa leksyon**
- **Madistract ko sa klase kay banha akong mga classmates**
- **Dili mi magdungog sa room inig leksyon labi na ug naay program or mogamit sa covered court**
- **Di man gud motabang ang mga groupmates kung naay ipabuhat nga activities**
- **Gamay raman ko ug nahibaw-an bahin ug research gud**
- **Mauwaw ko moapil sa discussion**
- **Mahadlok ko participate kay basin ug masayop ko sa akong tubag**
- **Di ko kahibaw mo-explain kung unsay akong nasabtan**
- **Kay maglisud ko ug sabot sa leksyon**
- **Kay di ko kapaminaw ug tarung sa leksyon**
- **Hinay ug tingog sir**
- **Banha akong classmates**
- **Anig discuss sa teacher sa iyang presentation, di ko kadungog, mao nga di ko kasabot**

Nganong maglisod ka sa Practical Research nga subject ?

Voice of the Teacher

Nganong maglisod sila sa Practical Research nga subject ?

- Kay di maminaw sa klase
- Lisod sa pag-engganyo sa mga estudyante

- Way interes sa subject

- Siguro wa sila kasabot sa gidiscuss mao nga di moparticipate
- Di sila mangutana kung naa silay wa nasabtan
- Sige ra sila ug cellphone unya di magtoon sa subject
- Way kalibutan sa mga activities sa klase kay gatuman ug cellphone
- Ang uban di ganahan mobasa sa powerpoint presentation
- Dili sila maminaw mao nga di makasabot
- Usahay di makadungog sa leksyon kay saba ang covered court
- Walay atensyon og kuwang sa focus
- Mahadlok mangutana or moapil sa discussion kay sungogon sa classmate
- Kulang sila sa kahibalo sa saktong paggamit sa technology para sa research
- Inattentive sila samtang magklase
- Magsige ug tabi during classes
- Dili nila maklaro ang nakasuwat sa powerpoint
- Lisod pag-integrate sa technology sa klase
- Kulang ang kalam bahin sa mga gamiton sa pagconduct ug

Conclusion

Based on the affinity diagram, it is evident that the Practical Research subject poses difficulties due to multiple factors, including students' lack of engagement, inadequate instructional delivery, challenges with teaching technology, and a disruptive learning environment.
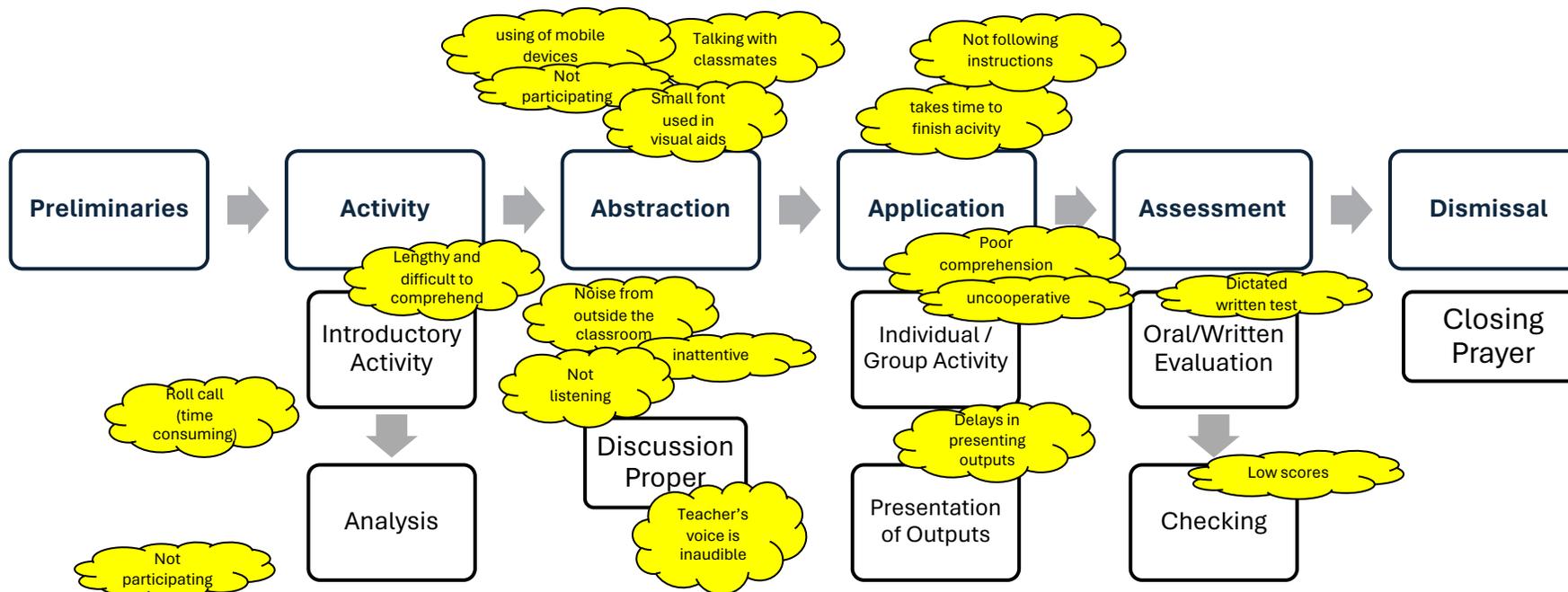
Thus, the CI team directed their efforts towards enhancing classroom engagement among learners by making improvements to the teaching process.

Current State SIPOC

SUPPLIER	INPUT	PROCESS	OUTPUT	CUSTOMER
•Subject Teacher	Modules Reference Materials School Forms	Teaching Process in Practical Research	•Low scores in summative test	•G11 students •Subject Teacher •School Head

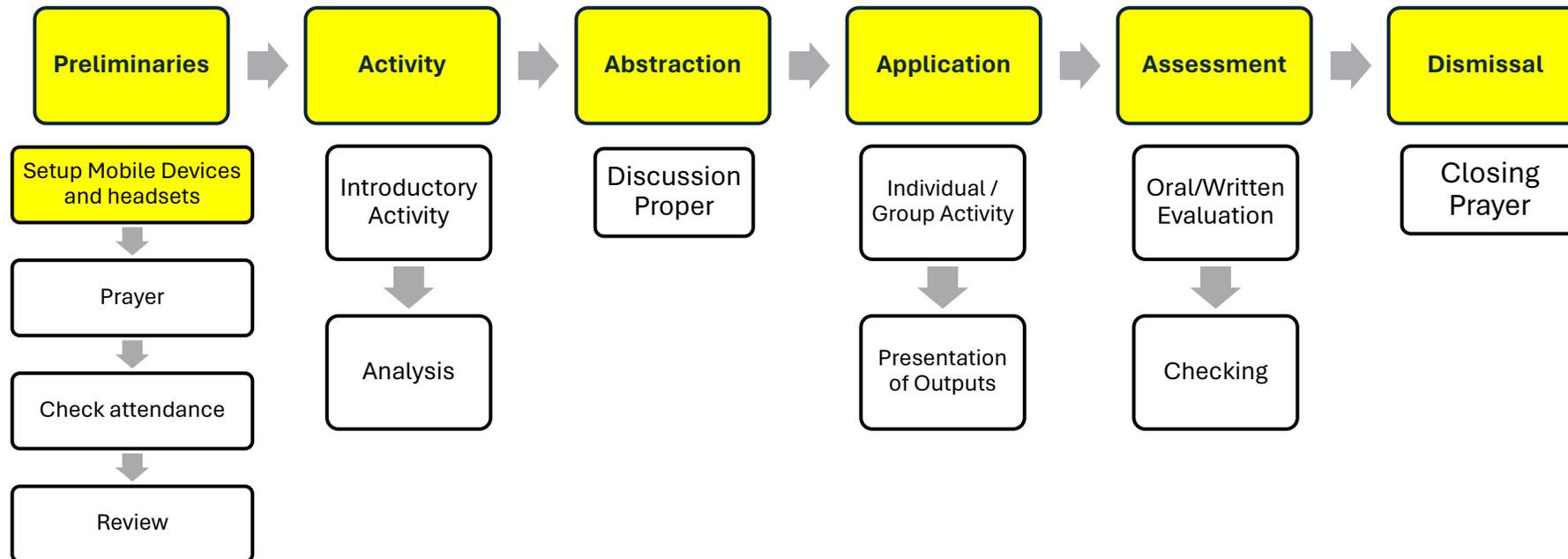# Teaching Process in Practical Research

FOCUSED PROBLEM STATEMENT

Out of the three (3) Grade 11 sections, Grade 11-Jelly got the lowest average score of 16 out of 30 (53%) during the first summative test in Practical Research for the 3rd Quarter, SY 2022-2023.

Priority Valid Root Causes

- Inaudible voice
- Did not understand the lesson
- Fonts on visual aid are too small
- Like to listen to the teacher rather than reading the ppt
- Poor comprehension
- Incessant use of social media

Future State - Process Details

Enhanced Teaching Process in Practical Research using Modified Headset Technology

Preliminaries	Activity	Abstraction	Application	Assessment	Dismissal

- **Preliminaries**
  - Setup Mobile Devices and headsets
  - Prayer
  - Check attendance
  - Review
- **Activity**
  - Introductory Activity
  - Analysis
- **Abstraction**
  - Discussion Proper
- **Application**
  - Individual / Group Activity
  - Presentation of Outputs
- **Assessment**
  - Oral/Written Evaluation
  - Checking
- **Dismissal**
  - Closing Prayer

Improved Step

Future State
Improvement Highlights

Meetings and Planning Sessions

Improvement Highlights

Preparation of FM Transmitter and Headsets

Future State
Improvement Highlights

Pilot Testing of Headset and Transmitters

Future State
Improvement Highlights

Pilot Testing of FM Transmitters during Career Guidance Seminar

Pilot
Implementation Highlights

Utilization of Headset Technology during classes (11-Jelly)

Pilot
Implementation Highlights

Utilization of Headset Technology in the Classroom (11-Jelly)

Rollout
Implementation Highlights

Utilization of Headset Technology during classes (11-Éclair)

CI Project A3

STAGE 1: ASSESS

STAGE 2: ANALYZE

PROJECT TITLE

"Project SHINE : Sequestered Headset Instruction towards Novel Education"

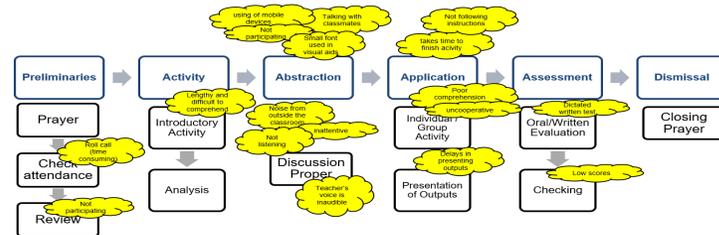*A Continuous Improvement Project on Teaching Process*

BACKGROUND

Various instructional approaches and educational methods encompass a variety of activities that cater to diverse abilities, skills, learning paces, and preferences, ensuring the engagement and achievement of all students to some degree of success.
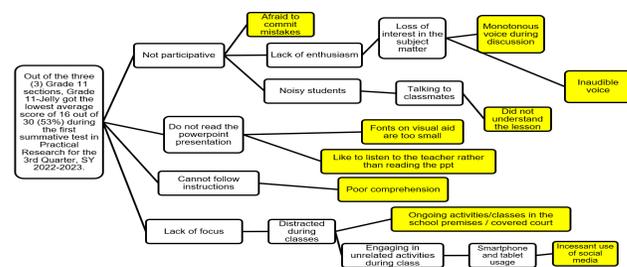
However, it was found out in the Quarterly Report on Assessment (QRA) for the SY 2021-2022, learners find the Practical Research subject as the most challenging which garnered an average of 82.57 and ranked lowest among all the subjects offered in Grade 11.

CURRENT STATE

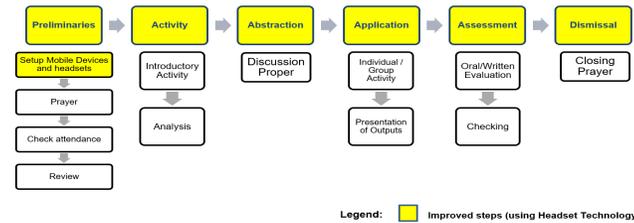Teaching Process in Practical Research

PROBLEM ANALYSIS

FUTURE STATE

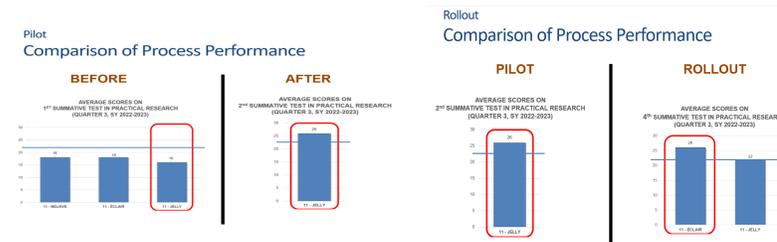**Enhanced Teaching Process in Practical Research using Modified Headset Technology**

Legend: ▨ Improved steps (using Headset Technology)

IMPLEMENTATION PLAN

Implementation Plan

Activity	Output	Responsibility	Due Date	Resources/ Budget
Planning and conceptualization	Program Proposal	ICT Team	December 2022	None
Designing the mobile application	Mobile application	ICT Team	January 2023	None
Purchase radio transmitter	Radio transmitter	ICT Team	February 2023	Donation From Private Individual
Pilot testing 3 types of radio transmitter • Long-range • Average-range • Short-range	Selection of ideal transmitter for classroom use	ICT Team	March 2023	None
Provide training and orientation sessions for both teachers and students on how to effectively use the headset technology	Training and orientation	All Teachers School Head	April 2023	None
Regularly monitor the implementation of the headset technology in the classroom.	Monitoring and Evaluation	ICT Team School Head	3rd Quarter – 4th Quarter	None

TEST RESULTS

Pilot
Comparison of Process Performance

BEFORE — AVERAGE SCORES ON 1ST SUMMATIVE TEST IN PRACTICAL RESEARCH (QUARTER 3, SY 2022-2023)

AFTER — AVERAGE SCORES ON 2ND SUMMATIVE TEST IN PRACTICAL RESEARCH (QUARTER 3, SY 2022-2023)

Rollout
Comparison of Process Performance

PILOT — AVERAGE SCORES ON 2ND SUMMATIVE TEST IN PRACTICAL RESEARCH (QUARTER 3, SY 2022-2023)

ROLLOUT — AVERAGE SCORES ON 4TH SUMMATIVE TEST IN PRACTICAL RESEARCH (QUARTER 3, SY 2022-2023)

LESSONS LEARNED

Pilot Learnings

✓ The implementation of headset technology in the classroom enhances student engagement and comprehension by providing an immersive and focused learning experience.

✓ Headset technology facilitates individualized and collaborative learning, accommodating diverse learning styles and promoting communication and teamwork among students.

✓ The integration of headset technology fosters technological proficiency, enables efficient feedback and assessment, and aligns with the modern learning environment, preparing students for the digital age.

Rollout Learnings

✓ The implementation of the headset technology project can lead to improved student performance, including enhanced grades, increased participation, and better comprehension of the Grade 11 students.

✓ Valuable feedback and insights gathered from teachers, students, and stakeholders help identify areas for improvement and fine-tune the integration of headset technology, fostering pedagogical innovation and effective use of digital tools in the classroom.

✓ The project promotes technological proficiency and digital skills among students, boosts student engagement and motivation, and serves as a foundation for future planning and potential expansion of the technology to other subjects or grade levels.

STAGE 2: ANALYZE

STAGE 3: ACT

WHERE DO WE GO FROM HERE?

Next Steps

- This project will be rolled out to Calape National High School and Graduate and Undergraduate studies of Holy Name University.

- Conduct Basic CI training to newly hired and untrained teachers

- Proposed CI Projects:
- Early Warning Systems in School
- Records Management System

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INSIGHTS

- United we stand; divided we fall!

- Collaboration of all team members contributed for the great success of this project.

- Linkage with PTA, Barangay officials and the community people greatly helped in the attainment of the solutions.