

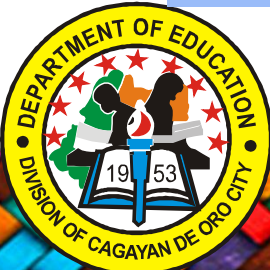
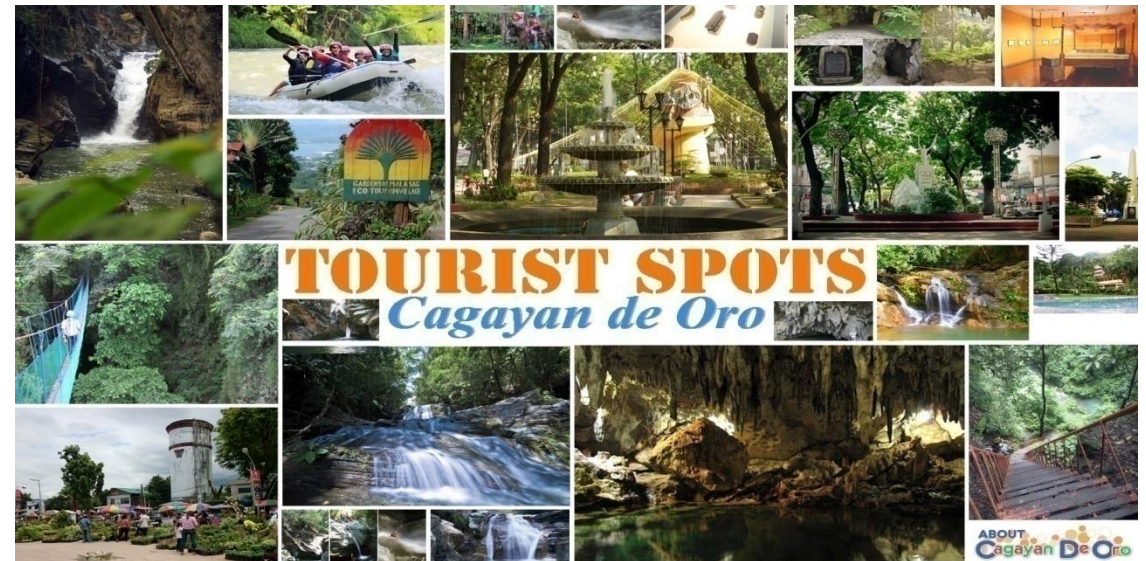
# **FLIPPED CLASSROOM: AN INSTRUCTIONAL STRATEGY IN INCREASING THE PERFORMANCE OF HEARING IMPAIRED STUDENTS IN SCIENCE**

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Region X

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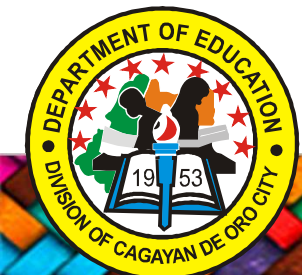




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# RATIONALE

- Education is generally understood as a form of learning whereby knowledge, skills and habits are etched out in the minds of an individual through instruction, training, sharing, and communicating.
- In a nut-shell, education is usually understood as a transfer of information and knowledge from one individual to the other.

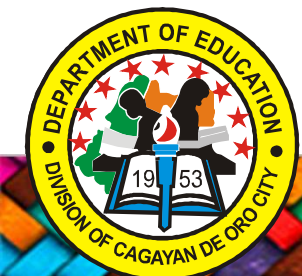


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# RATIONALE

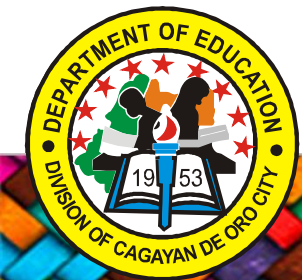
- Education is not only for specific people or class in the society rather education should be for all as it has been one of the main goals of UNESCO --- to promote Education for All.
- EFA prompts the society that every human should go to school despite the circumstances at hand and this practice reflects the human rights that are indicated in the Philippine constitution.



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# Background

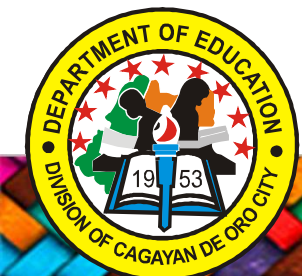
- As indicated in the constitution that each individual has the right to go to school, and is supported by DO 72, s. 2009 (Inclusive Education as Strategy for Increasing Participation Rate of Children).
- Cagayan de Oro National High School, as one of the biggest schools in Cagayan de Oro, believes that education should cater to the different learning needs of the learners from different walks of lives thus the school offers different programs.



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# RATIONALE

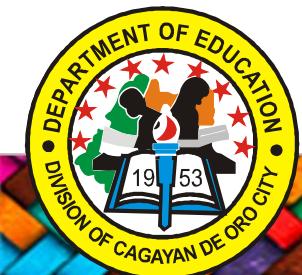
- SPED program is offered to give opportunity to learners with disabilities. This is also in support of the DO 26, s. 1997 Institutionalization of SPED Programs in All Schools.
- The SPED Program of CDONHS-JH, specifically the Hearing-Impaired section, have students that are trained to communicate through sign language but given that some of the teachers are not well acquainted with sign language communication.



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# RATIONALE

- CDONHS-JH is one of the few schools that offers education to Hearing-Impaired students, some actually come from different parts of the city and even areas outside Cagayan de Oro like Laguindingan and Jasaan both located in the Province of Misamis Oriental. And because of the distance, some HI students could not attend classes regularly.

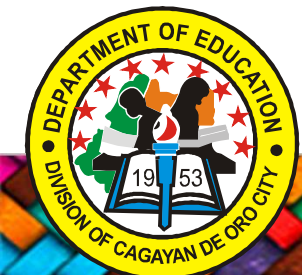


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# RATIONALE

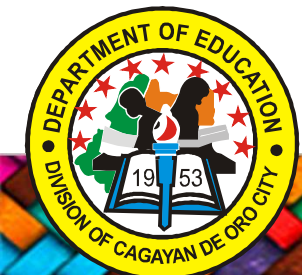
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# RATIONALE

- Upon intensive research of the 21<sup>st</sup> century teaching-learning strategies and observation of the students, the researchers came across the Flipped Classroom.
- Flipped classroom, as defined by Baker (2000), is a pedagogical approach in which the conventional notion of classroom-based learning is inverted, so that students are introduced to the learning material before class, with classroom time then being used to deepen understanding through discussion with peers and problem-solving activities

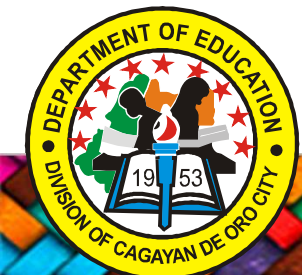


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# RESEARCH PROBLEM

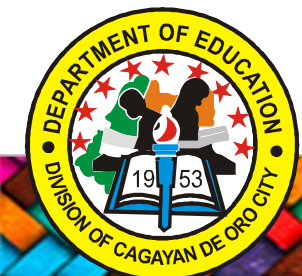
- How does the use of Flipped classroom strategy improve the performance of the Grade 9 SPED (Hearing Impaired) students in Science?



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# PURPOSE

- To provide an accessible teaching approach for the HI students to learn their lessons in-depth (the knowledge and understanding of scientific concepts and processes --- SCIENCE LITERACY).
- To create an avenue for the students' with irregular attendance to cope up with the lessons.



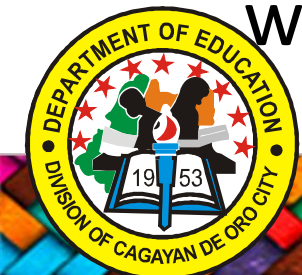
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# METHODOLOGY

## FLIPPED CLASSROOM

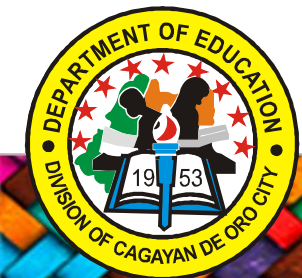
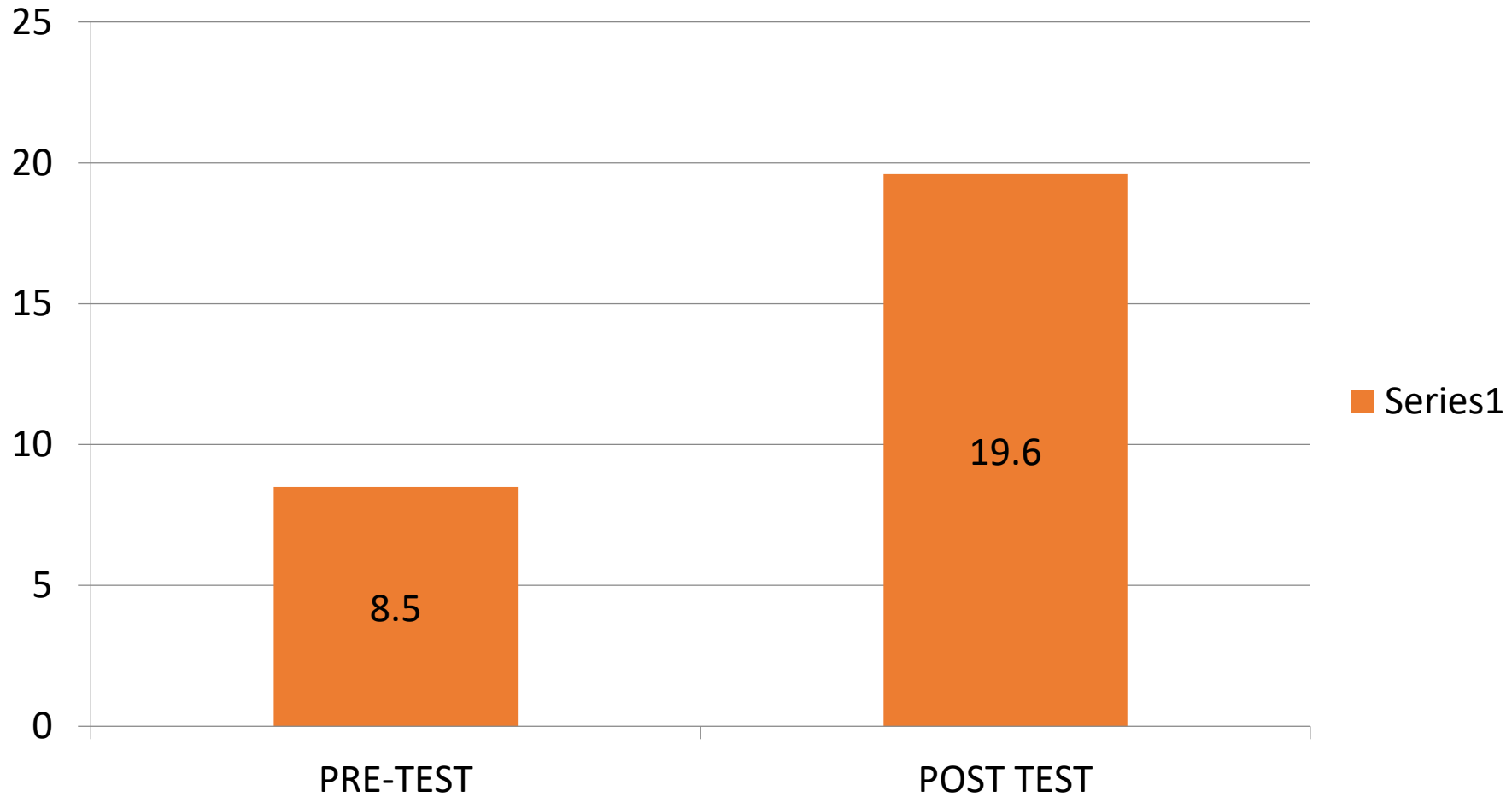
- A facebook page is set up exclusively for the Grade 9 Hearing Impaired students.
- The facebook page serves as their online classroom in which multimedia presentations on the lessons are uploaded. The comment section in the posts serve as an in-depth discussion of the lessons, this is also an avenue for students to ask questions.
- The videos uploaded are with subtitles and activities are uploaded in the online classroom for them to answer after watching the video and discussion.



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# FINDINGS

## Comparative Mean of the Pretest and Posttest Results

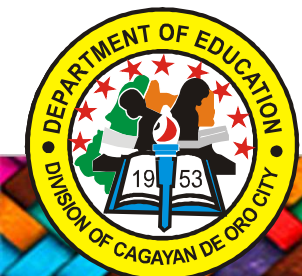


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# FINDINGS

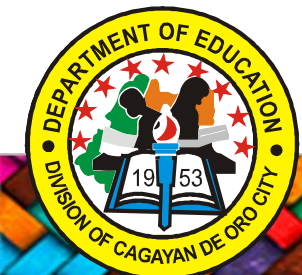
- How did the students perceive the use of Flipped classroom strategy in increasing their performance in Science?
  - Based from the opinions and insights of the student-participants from the conducted focus group discussion, the strategy employed allowed the student-participants to really deepen their understanding on the lessons tackled in Science. As they have cited in the focused group discussion that they no longer have difficulty trying to decipher the instructions of their teacher.



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# FINDINGS

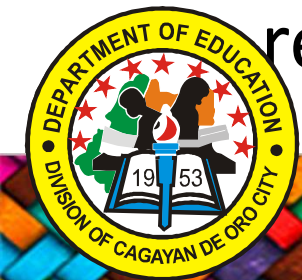
- How did the students perceive the use of Flipped classroom strategy in increasing their performance in Science?
  - This is also very beneficial to the Science teacher, the process owner in this research, in which she said that she no longer have to write down her explanations on the board but she can show it through multimedia presentations. This allowed her to deepen the discussion on the topics that seem vague for the students.



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# POLICY RECOMMENDATIONS

***Enhance the SPED curriculum by integrating Flipped Classroom in SPED classes.*** School heads and district supervisors specifically for the SPED program should work to integrate Flipped Classroom in the SPED curriculum to address students' need to increase their academic performance and to provide a learning alternative for SPED students with difficulty to come to classes on a regular basis. These efforts should be evaluated by inviting SPED specialists to observe and collaborate with the implementers to improve the strategy and eventually introduce the 21<sup>st</sup> century teaching-learning strategy, Flipped Classroom, to the district, division and region.

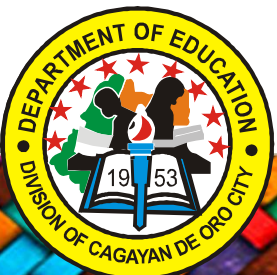


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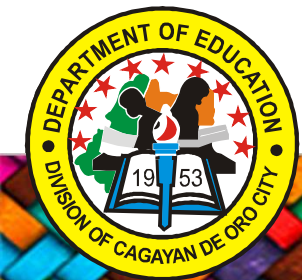
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*Inclusive Education is about embracing all – making a commitment to provide every Filipino student in the community an inalienable right to belong, to be a learned person, to not be excluded.*



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