

PHILIPPINE SCIENCE HIGH SCHOOL SYSTEM

Programs, Projects and Activities for 2019

Key Result Area (KRA): Increased competitiveness of Filipinos in Science, Technology, Engineering and Mathematics (STEM)

Program/ Projects	Project Title	Description/ Output	Beneficiaries
STEM Secondary Science Education and Scholarship	Kids' Innovation Camp	The program aims to enhance students' innovativeness that will have a long standing impact by engaging them in long-term project-making endeavor anchored on community-based problems - pertaining to waste management and environmental protection (which is the chosen theme for this year). The Kids' Innovation Camp was conducted last March 11-15, 2019 in Iloilo which was participated by 159 Grade 8 students coming from the different PSHS campuses together with 17 teacher-facilitators/ chaperons. The participants had a "pre-work" wherein they presented an infographic that they made based on the current environmental situation in their communities. The 3-day Camp opened with a plenary session wherein expert resource speakers shared their insights on waste management and environmental protection coming from their different work perspectives. This was then followed by a series of lecture and workshop sessions on Design Thinking and Prototyping which was facilitated by Main Campus trainers and assisted by OED personnel. At the end of the Camp, student-participants were able to come up with a project proposal, a prototype, and make a "pitch" of their "innovations". The Camp is designed to teach them the basics of such before they embark on their own long-term community-based projects.	PSHS faculty and scholars
	Kids' Innovation Challenge	The Kids' Innovation Challenge is the culminating activity wherein the students plan out their projects and come up with functional prototypes within 6 months. They will also make a presentation/ "pitch" their projects to the judges who will choose ten outstanding projects. This event will be participated by the same Grade 8 students who participated in the Camp and it is targetted to be held on November 2019.	PSHS scholars
	Development of Homeroom modules based on Positive Education/Psychology	Philippine Science High School System (PSHSS) in cooperation with Unilab Foundation, Inc (ULF). has ventured to conduct a research focused on integrating Positive Education into its curriculum. As envisioned in the project, the research will have as one of the outputs Homeroom Modules for Grades 8, 9, 10 and 11, in which all of the component activities encompassed Positive Education (or Positive Psychology).	PSHS Scholars and Homeroom Class Advisers

Invent School Program Trainers' Training	<p>This program was conducted in collaboration with DOST-TAPI for the purpose of enhancing the creative thinking and inventive skills of PSHS students and other students from selected universities in Luzon, Visayas and Mindanao. Selected PSHS teachers and OED personnel underwent trainers' training and On-the-Job training to enable them to conduct lectures and workshops to University and High School students. Further, the students were given the opportunities to develop prototypes for testing of their creative and inventive ideas as well as to draft business plans for the commercialization of the creative products. The Program also emphasizes the importance of protecting their Intellectual Property Rights through conduct of lectures on the basics of IP and workshops on patent writing.</p>	<p>PSHS Scholars, University students, High school students from various schools across the Philippines, PSHS Teachers and personnel</p>
2019 PSHS System Science Research Summit	<p>The Summit's objective is to be able to contribute to STEM promotion endeavors of the DOST. It also aims to enhance public understanding and appreciation of STEM research activities by showcasing the notable research projects of PSHS students, and improve these researches through inputs from experts and the public. Aside from the presentation of researches to experts, a community fair is usually held in conjunction with SRS to promote the different PSHS campuses located all over the Philippines and to foster interest among elementary students toward STEM education.</p>	<p>PSHS Scholars, Elementary and High school students from various schools where SRS is held.</p>
2019 Test Development Writeshop	<p>The test item writers were tasked to examine the table specifications and recommend revisions based on available data. They wrote test items on the assigned subject area that measured the innate aptitude of the examinees towards the sciences and mathematics. They developed a minimum of 40 test items each on the assigned subject area, ready for critiquing by experts, reviewers assigned to the subject area and prepared answer key for each test item developed.</p>	<p>PSHS Scholars, elementary students who will be taking the NCE and LAQE</p>
2019 Science Immersion Program (SIP)	<p>The Science Immersion Program (SIP) is a required non-graded course before the start of the academic year for incoming Grades 10 to 12 students. It covers worthwhile scientific experiences such as participation in field data gathering, actual hands on laboratory protocols and analysis of data. Student interns are expected to learn science, engineering and research laboratory skills and concepts. The SIP also fosters interaction with researchers, scientists and technical personnel as they participate in research projects and be exposed to basic science or engineering principles acquired in the operation of facilities.</p>	<p>PSHS scholars, HEIs and other RDIs in the country</p>

Handwritten marks at the bottom right of the page.

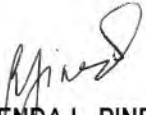
<p>2019 Biosafety and Biosecurity Workshop</p>	<p>Biosafety training aims to equip Biology teachers, Research Advisers and Laboratory Managers of PSHS with fundamental knowledge on biosafety and biosecurity. This training also introduces to PSHS personnel the proper conduct of risk assessment and the use of this knowledge in mitigating and/or eliminating potential bio-risk. Outcome/s of this activity are as follows: bio-risk assessment of PSHS Biology laboratory and other research-related activities in the PSHS campuses; determination of mitigating measures for every biological risk identified; and delineation on the safe handling, use and disposal of biological agents in all PSHS students research projects and laboratory class activities.</p>	<p>PSHS personnel and scholars</p>	
<p>2019 Curriculum Review Workshop</p>	<p>It is the usual practice in PSHS to up-date its curricula to ensure that PSHS curricula integrate new practices that are relevant, innovative and timely to keep up with the developments in place and the emerging trends in the implementation of Science, Technology, Engineering and Mathematics (STEM) education.</p>	<p>PSHS System</p>	
<p>Science Technology Engineering and Mathematics (STEM) Promotions Program</p>	<p>Briefing Orientation for the PSHS System Campus Registrars and Supervising Examiners</p>	<p>NCE Supervising Examiners and Campus Registrars were invited to attend this activity in preparation for the October 19, 2019 Examination. Updates in the conduct of the exam were relayed to them with specific instructions for a more organized and manageable administration.</p>	<p>Special Science Teachers from the different PSHS campuses</p>
	<p>National Competitive Examination (NCE) Campaign</p>	<p>The 2019 NCE Campaign is an intensive information campaign and promotions covering quad media campaign namely television, radio, print, and social media. In addition to these efforts, the PSHS System-Office of the Executive Director developed information, education, and communication materials in the form of press releases, brochures, posters, tarpaulins, and info kits that are distributed to the general public through PSHS campuses, DOST and its attached agencies, national agencies, and the regional offices of DOST, Department of Education and Philippine Information Agency. A press conference is also being conducted to convene media practitioners, the DOST-Science and Technology Information Institute, and the Philippine Information Agency to further promote PSHS scholarship.</p>	<p>General public</p>

Handwritten marks at the bottom right of the page, including a checkmark and a signature.

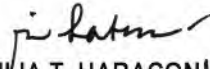
<p>2019 NCE Post Test Evaluation of Supervising Examiners and Campus Registrars</p>	<p>The Campus Registrars responsible in the evaluation and processing of NCE applications, together with the Supervising Examiners, responsible for overseeing and monitoring the conduct of the NCE are invited to participate in this meeting. They can share their valuable inputs to further improve the conduct of the NCE and discuss with the OED some common problems encountered to be avoided and minimized in the future. The NCE caravan and other NCE related activities are also evaluated.</p>	<p>Special Science Teachers from the different PSHS campuses</p>
--	---	--

Prepared by:

Approved by:



BRENDA L. PINEDA
Admin Officer V - Planning



LILIA T. HABACON
Executive Director