RESEARCH EVENTS

The Research Events circuit is the series of research-related activities prepared by the Research Unit and/or the scholars with the aim of bringing their studies to the community. The logo to the right is the overarching symbol of the events circuit. The multicolored flame representing the multitude of activities the scholars undertake as embodied in each of the event logos. The interwoven circles represent the infinite possibilities in research. The logo itself is reminiscent of the PSHS logo, representing the values of truth, excellence, and service.

START OF SCHOOL YEAR

BANTALA
Hiligaynon
To inform
G12

PAGBANTALA
SCHOOL-BASED RESEARCH CONGRESS

PAGBANTALA is the first event in the circuit. It is a local research congress where scholars present their studies to a panel of experts. The logo therefore features a caricature of the main scene in Pagbantala: a panel of three, sitting behind the table facing the scholars and their presentation – collectively represented by the incomplete frame. As the first event, Pagbantala is colored red, symbolizing the flames igniting the Research Circuit.

PAGBALANDRA
SCHOOL-BASED POSTER PRESENTATION

BALANDRA
Hiligaynon
To show
G12

PAGBALANDRA is where scholars present their posters to an audience. The logo therefore features a caricature of an individual presenting his/her poster. Here, scholars prepare and showcase three materials: a technical poster for professionals, a community poster for elementary school students, and a headline poster to capture their audience's attention.

hinunan-anon
Hiligaynon
To inquire
G11

PAGHINUN-ANON
GRADE II RESEARCH SEMINAR

PAGHINUN-ANON is an event for Grade 11 scholars. As in Pagbantala, the logo features the main scene in Paghinun-anon: the work unit, a group of scholars, and a three man panel sit face to face to discuss the research proposal, the panel guiding the scholars in their proposed study. The logo is yellow – a joyful color – as this is a time of celebration, the first step towards realizing a study in the research curriculum.

PAHISAYOD
RESEARCH WORKSHOPS & GIMICKS

HISAYOD
Akeanon
To announce
G12

PAHISAYOD is among the largest events in the circuit. Scholars teach skills they've acquired while performing their studies to a group of students from provincial high school, as well as present their study to elementary students through an interactive game. The logo therefore shows the caricature of two individuals: one representing the scholars, the other the students they're presenting to, the white matter being the knowledge shared in this event. The green marks a transition in energy, from school-based events we now move on towards the larger community.
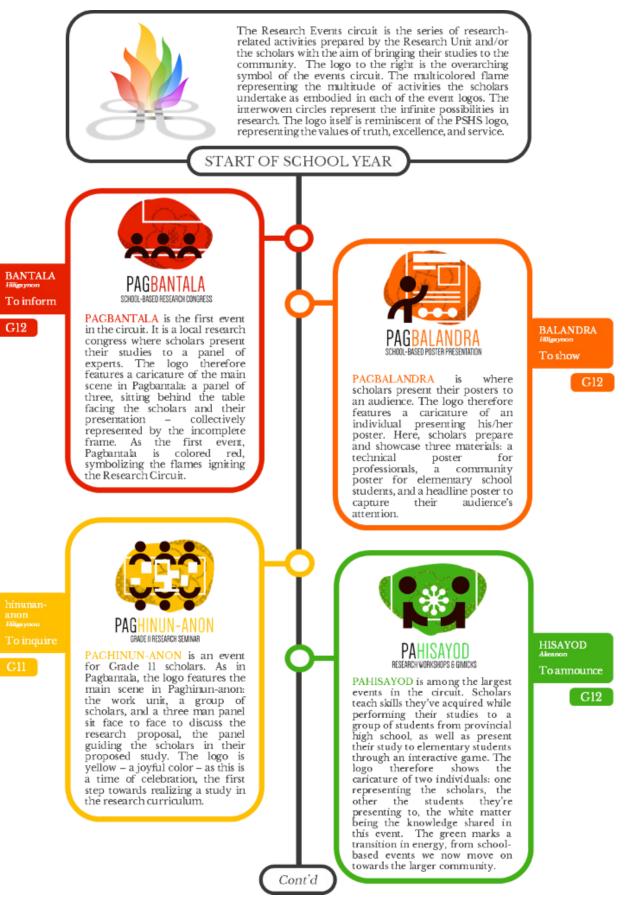
Cont'd

PAGWARAGWAG
COMMUNITY-BASED RESEARCH CONGRESS

WARAGWAG
Hiligaynon
To broadcast

G12

PAGWARAGWAG is Pagbantala, Pagbalandra and Pahisayod combined, this time brought to a larger audience outside the school. Every year, Pagwaragwag is brought to a different province. This is represented in the logo where the caricature shows a group of individuals facing a group of three: the scholars. The incomplete frame that represented the scholars in Pagbantala are now complete researchers in Pagwaragwag with the ability to communicate science in an elementary and secondary level.

PAINDIS-INDIS
JOURNAL COVER PAGE COMPETITION

INDIS-INDIS
Hiligaynon
To compete

G12

PAINDIS-INDIS is an on-campus cover page competition. This is how the cover of Publiscience is decided. Hence, the logo shows multiple panels that showcase each submission, two individuals are shown holding similar panels, as if they were issuing a vote. Each of Batch 2020's work units submitted an entry, the number of which is reduced in every stage of voting with teachers issuing the final vote.

PAGPABALHAG
RESEARCH JOURNAL PUBLICATION

PABALHAG
Hiligaynon
To publish

G12

PAGPABALHAG is the event that formally launches this year's Publiscience issue. Through the journal, the audience of the scholar's studies are expanded, networking through various individuals or groups that possess a copy. This is represented in the logo by caricatures of individuals surrounding the journal, giving it the collective shape of an atom. This is reminiscent of the PSHS logo, a symbol of the institution which nurtured the scholars up to this point. The same atom which can diffuse through borders and catalyze the exchange of knowledge.

PAGSUGUIDADON
GRADE 10 RESEARCH CONGRESS

SUGUID
Hiligaynon
To report

G10

PAGSUGUIDADON is the culminating event for Grade 10 scholars. Work units composed of five scholars present their study to a panel. In the logo, the five scholars are shown, the descending white matter representing their initiation into the research process. The white-grey color represents a blank slate, scholars that are ready to be molded, brimming with unknown potential.

END OF SCHOOL YEAR

RESEARCH CONFERENCES

Title of Conference	Date	Studies Participated
Philippine Science High School System (PSHSS) Science Research Summit 2019	August 27-20, 2019	1, 2
2nd Japan Society for the Promotion of Science - JSPS Alumni Association of the Philippines - Department of Science and Technology (JSPS-JAAP-DOST) International Conference	December 4-7, 2019	3
Regional Invention Contest and Exhibition	October 21-23, 2019	4
Research Fair 2020	January 30 - February 1, 2020	1, 2, 3, 5, 6

STUDIES PARTICIPATED

1. Column adsorption of cadmium (II) and lead (II) using rice husks and mango peels
(Bandiola et al.)

2. Larvicidal activity of *Citrofortunella microcarpa* (calamansi) peel essential oil against third and early fourth instar *Aedes aegypti*
(Carigaba et al.)

3. Microplastic occurence in the coastal sediments of selected barangays of Anilao, Iloilo, Philippines
(Colacion et al.)

4. Use of 1:7 rice bran wax to rice bran oil mixture as phase change material in increasing the efficiency of photovoltaic cells
(Barrera et al.)

5. The extraction and isolation of polyethylene-based plastic-degrading bacteria from Iloilo City Engineered Sanitary Landfill, Mandurriao, Iloilo City
(Canja et al.)

6. The effects of acetyl l-carnitine on the prevention of platelet storage lesions
(Alvarez and Oberio)

KEYWORD INDEX

Page numbers followed by f, t, and p indicate figures, tables, and plates, respectively.

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