



Republic of the Philippines
Department of Education
REGION VII – CENTRAL VISAYAS
Division of City Schools – Tagbilaran City

Office of the Schools Division
Superintendent

March 3, 2021

DIVISION MEMORANDUM
No. 086, s. 2021

To : Assistant Schools Division Superintendent
Chief Education Supervisors
Education Program Supervisors
Public and Private Secondary School Heads
Public and Private Secondary Science Teachers

EARTH SCIENCE TEACHERS' WEBINAR

1. Pursuant to the Letter of Paula Mae C. Jatulan, Marketing Head, University of the Philippines Geological Society (UP GeoSoc), the UP GeoSoc will hold its annual **National Geology Congress (NGC)**, a week-long series of events with over 200 participants from all over the country.
2. One of the highlights of the said Congress is the **Earth Science Teachers' Webinar (ESTW)** with the theme: "**Traversing a New Geologic Time: Teaching Earth Science Under The New Normal.**" The target participants are high school Science teachers. This is a half-day webinar that aims to equip high school teachers with supplementary knowledge on how to teach Earth Science in the K-12 curriculum.
3. Due to our current circumstances, this year's ESTW will be conducted **via an online video conferencing application (Zoom)** on March 22, 2021 at 1:00PM to 5:00PM.
4. The Webinar includes three lectures namely: Basic Mapping, The Use of Google Earth, and Teaching Science Online. Time will be allotted for an open forum at the end of each lecture to encourage questions and discussion.
5. Should there be any concerns, or if you wish to set an appointment, please feel free to contact through email: ngcmarketing.geosoc@gmail.com or mobile (+639301740672, +639494917506, or +639273042113).
6. Wide dissemination of this memorandum is desired.

JOSEPH IRWIN A. LAGURA PhD
Schools Division Superintendent

*in my 22
celebration*

8TH NATIONAL GEOLOGY CONGRESS

UNIVERSITY OF THE PHILIPPINES GEOLOGICAL SOCIETY

MARCH 22 - 26, 2021

To whom it may concern:

Greetings!

The **University of the Philippines Geological Society** (UP GeoSoc) is the oldest student organization based in the National Institute of Geological Sciences (NIGS) dedicated to the pursuit of honor and excellence in the field of geology. The organization takes pride in its alumni who became forerunners in the different fields of geology, including the industry, geothermal, mineral and oil exploration, and in the academe.

In our 63rd year, the organization is holding the annual **National Geology Congress** (NGC), a week-long series of events with over 200 participants from all over the country joining annually. Even after eight years, UP GeoSoc continues to fulfill the NGC's objectives: **equipping high school earth science teachers and students with the tools necessary for proper discussion and integration of both the discipline and the practice; and promoting the impact and importance of geology in our daily lives.** Due to our current circumstances, this year's NGC is geared towards a completely online setup. It will be conducted **via an online video conferencing application** from **March 22 to 26, 2021**. Further guidelines will be sent in the following days should there be additional queries on the setup.

In this regard, we are humbly inviting your school to participate in the activities we have prepared. We are assuring that this year's NGC will be a worthwhile and enjoyable experience. Attached herewith are the details about the event and the activities.

Should there be any concerns, or if you wish to set an appointment, please feel free to contact us through email (ngcmarketing.geosoc@gmail.com) or mobile (+639301740672, +639494917506, or +639273042113).

Sincerely,

Paula Mae C. Jatulan
Marketing Head
UP Geological Society
+639301740672



Noted:

Angela Nicole S. Masongsong
Event Co-Head, 8th NGC
+639494917506

Danella Trina S. Callosa
Event Co-Head, 8th NGC
+639273042113

Jillian Aira S. Gabo-Ratio, D.Engg
Adviser
UP Geological Society

CORE GROUP

ANGELA MASONGSONG

CO-HEAD

DANELLA CALLOSA

CO-HEAD

ASHLEY MENDOZA

SECRETARIAT

ARIS CASTRO

LOGISTICS AND TECHNICAL HEAD

DOMINIQUE OPERANIA

HIGH SCHOOL STUDENTS'
WEBINAR HEAD

HANZ FLORENDO

EARTH SCIENCE TEACHERS'
WEBINAR HEAD

CHELSEA ESPINOSA

GEOLOGY STUDENTS' FORUM
HEAD

ANGELO LINTAG

INFOGRAPHICS CONTEST HEAD

PAULA JATULAN

MARKETING HEAD

PATRICK CAYTILES

CREATIVES HEAD

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ABOUT THE NATIONAL GEOLOGY CONGRESS

The National Geology Congress (NGC) is the flagship event of the University of the Philippines Geological Society. Through a week-long series of events, it aims to reach out to high school students and their teachers across the country to promote knowledge in geological sciences. With a growing number of participants each year, the event has a track record of successful partnership with both companies and schools alike.

Navigating through the challenges brought about by the current times, the NGC shifts its focus to emphasizing the relevance of geology and related fields. More importantly, it aims to bridge the disconnect between the public and scientific knowledge. In its 8th installment—albeit to be conducted online—the NGC aims to bring insightful, relevant, yet fun-filled activities to a wider audience.

ABOUT UP GEOLOGICAL SOCIETY

The University of the Philippines Geological Society (UP GeoSoc) is a duly recognized university-based academic organization. The society promotes the advancement of the Geological Sciences among the student body. Proven by its increasing membership and the local academic community composed of primarily BS Geology students. UP GeoSoc is based at the National Institute of Geological Sciences, UP Diliman.

The society continues venturing into projects promoting the Geosciences and its relevance to the community. Dedicated to the pursuit of honor and excellence in the field of geology, we continue to produce forefronts of Philippine Geology.



8TH NATIONAL GEOLOGY CONGRESS

UNIVERSITY OF THE PHILIPPINES GEOLOGICAL SOCIETY

EARTH SCIENCE TEACHERS' WEBINAR (ESTW)

EVENT DETAILS

Target participants: High school teachers (Science subjects)

This year's ESTW, "*Traversing a New Geologic Time: Teaching Earth Science Under The New Normal*" is a one-day webinar that aims to equip high school teachers with supplementary knowledge on how to teach Earth Science in the K-12 curriculum. Resource persons for each topic will be invited to impart their expertise to the participants. Time will be also allotted for an open forum at the end of each lecture to encourage questions and discussion.

Program Flow

March 22, 2021

Online Video Conferencing (Zoom)

1:00 - 1:05 PM	Admission of Participants	2:20 - 3:05 PM	Speaker 2
1:05 - 1:10 PM	Introduction	3:05 - 3:15 PM	Open Forum
1:10 - 1:15 PM	Opening Remarks	3:15 - 3:20 PM	Introduction of Speaker 3
1:15 - 1:20 PM	Introduction of Speaker 1	3:20 - 4:05 PM	Speaker 3
1:20 - 2:05 PM	Speaker 1	4:05 - 4:15 PM	Open Forum
2:05 - 2:15 PM	Open Forum	4:15 - 4:20 PM	Closing Remarks
2:15 - 2:20 PM	Introduction of Speaker 2		

Lecture Topics

This year's ESTW will include three lectures namely, Basic Mapping, The Use of Google Earth, and Teaching Science Online.

Lecture 1: Basic Mapping – this enrichment lecture will tackle the importance and types of maps as well as how to read and construct them. Resources in which maps can be accessed will be also included. This lecture will also explore the possible applications on how to teach basic mapping to Senior High School students.

Lecture 2: The Uses of Google Earth – this part of the webinar will include an enrichment lecture on the background of the software as well as technical training in the basic features and essential tips and tricks in using Google Earth Pro. Possible applications of the software for teaching Senior High School students will be also discussed.

Lecture 3: Teaching Science Online – the last part of the webinar will focus on the remote teaching tips and strategies that will help to effectively communicate science through online classes. A discussion on how to modify science materials for remote learning is also included.



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HIGH SCHOOL STUDENTS' WEBINAR (HSW)

EVENT DETAILS

Target participants: High school students

NGC's first-ever HSW, *"Dig Na 'Yan: Uncovering National Treasures through Filipino Geologists"* is a one-day webinar that aims to foster appreciation and knowledge of the geosciences catered towards high school students. This also aims to give them an overview on the different fields of geology inclusive of an idea on what these specific fields focus on.

Participants will be added to a FB group for additional learning materials and resources. They will also get a chance to showcase their knowledge in earth science and win exciting prizes during the HSW Game Night.

Program Flow

March 24, 2021

Online Video Conferencing (Zoom)

1:00 - 1:10 PM	Opening Remarks	2:50 - 3:30 PM	Speaker 3
1:10 - 1:50 PM	Speaker 1	3:30 - 3:40 PM	Question and Answer
1:50 - 2:00 PM	Question and Answer	3:40 - 3:50 PM	Closing Remarks
2:00 - 2:40 PM	Speaker 2	4:30 - 5:30 PM	Game Night
2:40 - 2:50 PM	Question and Answer		

Lecture Topics

This year's HSW focuses on the following topics: paleontology, volcanology, and metamorphism.

Lecture 1: Paleontology – "Beneath the Surface" will showcase recent fossils discoveries made by Filipino paleontologists as well as explaining its relevance in today's time.

Lecture 2: Volcanology – "Behind the Flames" will tackle recent studies and reports about Philippine volcanoes; all the while presenting the current state of some of our country's notable volcanoes.

Lecture 3: Metamorphism – "Beyond the Transformation" will discuss recent studies on metamorphic rocks in the country and its implications on the geologic history of its area.



8TH NATIONAL GEOLOGY CONGRESS

UNIVERSITY OF THE PHILIPPINES GEOLOGICAL SOCIETY

INFOGRAPHICS CONTEST

EVENT DETAILS

Start of Acceptance of Submissions: February 22, 2021

Registration and Submission Deadline: March 31, 2021

Announcement of Winners: April 2021

This year's NGC Contest, "*DIWA (Dignayan sa Inforgraphic, pagyamanin sa Wikang Atin)*" aims to promote knowledge and appreciation of Philippine Geology as well as encourage use of local languages through infographics.

Mechanics and Guidelines

1. ELIGIBILITY

Grade 9 to 12 high school students from the Philippines are enjoined to participate.

2. CONTEST MECHANICS

- a. Participants must register by filling up the online registration form to be posted on UP Geological Society's Facebook page. Unregistered submissions will not be considered.
- b. Participants will create an infographic of anything related to Philippine Geology and/or basic geology concepts. Some of the possible content are significant studies, discoveries, features, and locations. Participants may confirm their topic by sending an email with the subject "DIWA Entry Topic Confirmation."
- c. The infographic is expected to promote appreciation of geology and enhance understanding of concepts underlying significant geologic studies, discoveries, or locations related to or found in the Philippines.
- d. Participants may work individually or in pairs.
- e. Infographics should be of size A3 (297 mm x 420 mm) and written in any Philippine language.
- f. Aside from the infographic, participants must also submit an English translation of the infographic's content for judging, a 100-200 word summary in English as a caption for posting, and the reference list as seen in the infographic. It must be submitted through a pdf file with the file name:

[Surname/s of Participant/s_Translation]

and the following format: letter size, 1.5 line spacing, and Arial font size 12. The file must contain the subheadings "Infographic Translation", "Summary/Abstract for Caption", and "References". The infographic translation must also contain subheadings for each section/text box corresponding to the infographic.



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UNIVERSITY OF THE PHILIPPINES GEOLOGICAL SOCIETY

INFOGRAPHICS CONTEST

EVENT DETAILS

2. CONTEST MECHANICS

g. In creating the infographics, participants are recommended to use any of the following applications and programs:

- Canva
- Adobe Photoshop
- Adobe InDesign
- Inkscape
- Adobe Illustrator
- Medibang Paint
- Microsoft Publisher
- Microsoft PowerPoint
- PhotoGrid
- PicsArt
- Ibis Paint X
- Affinity Photo
- Affinity Designer
- Adobe Fresco
- Snapseed
- Corel Softwares
- Procreate
- Photopea
- GIMP

h. Information present in the infographic must be from reliable sources and properly cited in APA format. References must be shown at the bottom of the infographic and the caption.

i. All photos and graphics incorporated in the entry must be properly cited and should not infringe existing copyright and/or intellectual property rights.

j. The name and school of the participant should appear on the infographic.

k. Entries will be sent to the official NGC email ngc.geosoc@gmail.com **on or before 11:59 PM of March 31, 2021**. The email of submission must be of the subject "DIWA Contest Submission - [Surname/s of Participant/s]" and must contain the following:

- Name of Participant/s
- Year Level of Participant/s
- School of Participant/s
- Topic of Infographic
- Attached Infographic in JPEG or PNG format with filename :
[Surname/s of Participant/s_Infographic]
- Attached file of Translation, Summary/Abstract, and Reference List with filename:
[Surname/s of Participant/s_Translation]

The submission deadline will be strictly followed. Late submissions will not be accepted.

l. After submission, the email will be acknowledged to confirm receipt. Submissions are considered final and cannot be modified after.

m. All entries along with the caption will be posted on UP GeoSoc's social media pages for publicity.



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INFOGRAPHICS CONTEST

EVENT DETAILS

3. CRITERIA

	CRITERIA	WEIGHT
CONTENT (65%)	Accuracy of information	30%
	Clarity and organization	15%
	Relevance of topic	10%
	Reliability and citation of sources	10%
VISUAL APPEAL (35%)	Creativity	20%
	Impact	15%
TOTAL		100%

4. PRIZES

The winners of the contest will receive the following:

- 1st Place – 5,000 pesos and Certificate of Recognition
- 2nd Place – 3,500 pesos and Certificate of Recognition
- 3rd Place – 2,500 pesos and Certificate of Recognition
- Top 3 Most Liked Infographics – 1,500 pesos each

Terms and Conditions

By entering the Contest, you agree and warrant that:

- The submitted infographic is an original creation of the registered contestant of the school. This serves as the official entry of that school.
- The creator/s of the official entry own all of the copyright in that entry, including all graphics and content. Otherwise, they must include the sources of these materials in their official entry.
- The author/s of the official entry should agree to allow us, UP Geological Society, an exclusive, royalty-free, perpetual, and irrevocable license to copy, store, distribute, transmit and publish their entry.

5. GROUNDS FOR DISQUALIFICATION

Submissions containing the following are subject to disqualification:

- Plagiarism and/or intellectual theft;
- Falsification of information
- Derogatory, sexually explicit/suggestive, or other inappropriate themes and language
- Inappropriate depiction of alcohol, illegal drugs, tobacco, firearms/weapons, or any activities that may appear unsafe or dangerous
- Defamation or misrepresentation of people, companies, and private entities
- Materials representing the names, photographs, or other indicia identifying any person, living or dead, without permission



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INFOGRAPHICS CONTEST

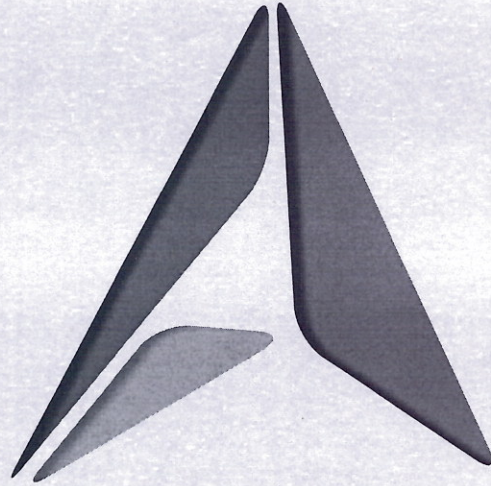
EVENT DETAILS

6. SUPPLEMENTARY RESOURCES

For evaluation of sources, you may use the [CRAAP Test](https://researchguides.ben.edu/source-evaluation) (<https://researchguides.ben.edu/source-evaluation>) which checks for the currency, relevance, authority, accuracy, and purpose of reference materials. For citation of sources, you may use this [APA Citation Guide from Purdue OWL](https://owl.purdue.edu/owl/research_and_citation/apa_style/apa_formatting_and_style_guide/reference_list_basic_rules.html) (https://owl.purdue.edu/owl/research_and_citation/apa_style/apa_formatting_and_style_guide/reference_list_basic_rules.html)

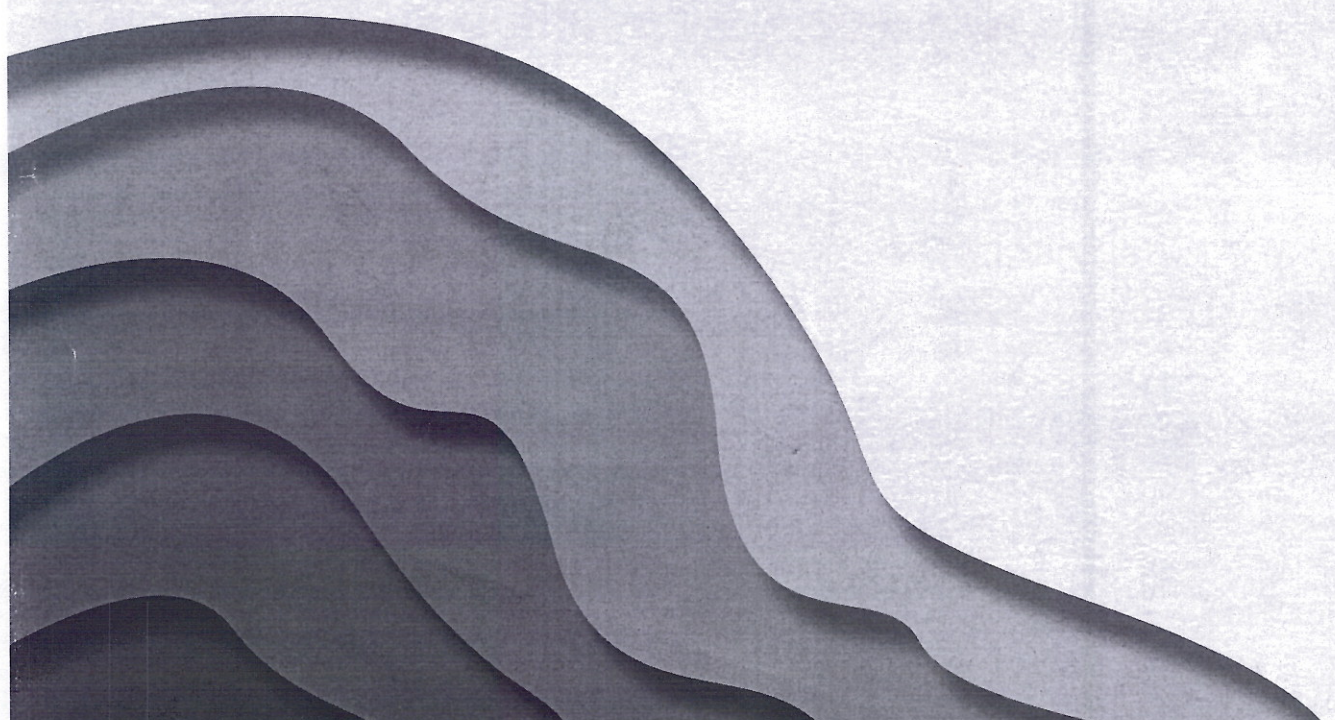
A list of some credible sources online:

1. [Geology and Earth Science News, Articles, Photos, Maps, and More](#)
2. [GeoScienceWorld Journals](#)
3. [Science.gov: USA.gov for Science - Government Science Portal](#)
4. [NOAA National Centers for Environmental Information \(NCEI\)](#)
5. [Mineralogy Database](#)
6. [USGS.gov | Science for a changing world](#)
7. [National Geographic Society | National Geographic Society](#)
8. [Mindat.org - Mines, Minerals and More](#)
9. [Free topographic maps, elevation, relief](#)



8TH NATIONAL GEOLOGY CONGRESS

INVITATION








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 +639301740672 / +639494917506 / +639273042113

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