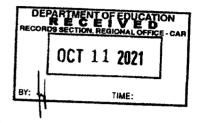


EPISTEME × TECHNE GEOID QUIZ X EARTHISTC 2021

UNIVERSITY OF THE PHILIPPINES GEODETIC ENGINEERING CLUB

October 5, 2021

Estela L. Cariño
Regional Director
Department of Education CAR
La Trinidad. Benguet 2601

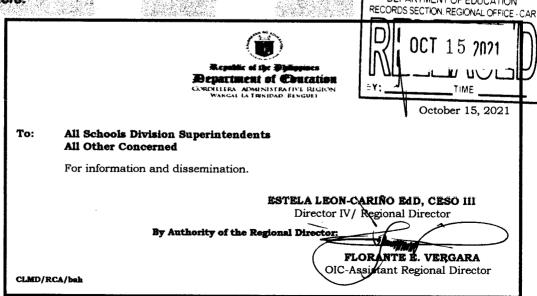


Dear Ma'am/Sir:

Mabuhay!

The University of the Philippines Geodetic Engineering Club (UP GE-Club) is a duly recognized academic organization in the College of Engineering, University of the Philippines Diliman. For more than eight decades, it has actively forwarded its objectives of fostering the development of geodetic engineering and science as well as promoting proficiency, competence, and excellence in this field of study.

As part of its 84th anniversary celebration, UP GE Club will once again hold the Geoid Quiz and Earthistic Poster Making Contest with the theme EPISTEME X TECHNE. Geoid Quiz 2021 is a whole day event on November 6, 2021 that will be marked by a battle of wit and intellect among the best students from different high schools nationwide. Geoid Quiz aims to promote the importance and awareness of the geodetic engineering field to future engineering students. Meanwhile, Earthistic is a poster-making contest showcasing the artistry of high school students that helps raise awareness for the environment. This year, Earthistic revolves around the topic: The Role of Geodetic Engineering in Pandemic Preparedness and Response. The event will officially start on the day the topic is released, October 26, 2021, until November 6, 2021 which is the DEPARTMENT OF EDUCATION







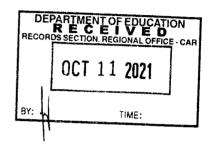


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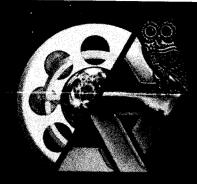


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EPISTEME × TECHNE GEºID QUIZ X EARTHISTC 2021

UNIVERSITY OF THE PHILIPPINES GEODETIC ENGINEERING CLUB

These events aim to broaden the awareness, interest, and understanding of high school students in the field of Geodetic Engineering while being fun, interactive, and challenging.

In this light, we would like to ask for your endorsement of our events addressed to high school principals or heads in this worthwhile endeavor and help us invite and encourage public and private high schools to participate in the above-mentioned events. Should you have any concerns or inquiries, please do not hesitate to contact us at 0915 427 1483 or 0927 026 0670. You may also reach us through email at geoidquizxearthistic.upgeclub@gmail.com.

Thank you very much.

Sincerely yours,

Neill Andrei H. Arca

Overall Co-Head, Geoid Quiz 2021

Janna Jewel A. Cardiño

Overall Co-Head, Geoid Quiz 2021

Triciaewordial

Tricia Anne Marie M. Escordial

Overall Co-Head, Earthistic 2021

Joselle Rose B. Lascoña
Overall Go-Head, Earthistic2021



EPISTEME X TECHNE GEOID QUIZ X EARTHISTC 2021

UNIVERSITY OF THE PHILIPPINES GEODETIC ENGINEERING CLUB ROOM 426 AT MELCHOR HALL, OSMENA AVENUE UNIVERSITY OF THE PHILIPPINES, BILIMAN OUTZON CITY TO

Noted by:

Genesis Anne S. Leal President, UP GE Club

Engr. Trishia Guevara Faculty Adviser, UP GE Club

Engr. Luis Carlos Mabaquiao Faculty Adviser, UP GE Club





EPISTEME GEOID QUIZ 2021 MECHANICS & DETAILS



OBJECTIVES

- 1. To promote the University of the Philippines College of Engineering and the Department of Geodetic Engineering to future engineering students.
- 2. To promote awareness, interest, and understanding of the geodetic engineering field and its importance among high school students by testing their skills in mathematics and science.
- 3. To emphasize the main fields of study for aspiring engineering students.
- 4. To encourage junior high school students to pursue the **Science, Technology, Engineering and Mathematics** (STEM) strand in the senior high school program.
- 5. To encourage senior high school students to pursue studies in the field of **Geodetic Engineering and Science**.

SCOPE

- 1. **Mathematics** Algebra, Geometry, Trigonometry, Statistics, Pre-Calculus
- 2. **Science** Geology, Geography, Astronomy and Physics, Biology and Chemistry
- 3. **General Information** Trivia, current events, news, theme-related and "anything under the sun" type of questions.

PARTICIPANTS

- 1. Open to all bona fide **Grade 9 to Grade 12 students** for the **S.Y. 2020-2021**.
- 2. Open to all high schools: private, public, or science high school.
- 3. Limited to high schools nationwide.
- 4. Each high school can **only have 4 participants per team**. Each team shall be composed of **2 JHS (Grade 9-10) and 2 SHS (G11-G12) students**.

PARTICIPANTS

- 5. Each high school can send at most two (2) teams.
- 6. Each high school is **required to have a coach**. The coach **shall be a faculty member** of their respective high school.

Addendum:

For schools with **no senior high school, four junior high** school students per team will be allowed to participate. On the other hand, for schools with **no junior high school, four senior high school students per team will be allowed** to participate. Only a maximum of two teams per school will be accommodated.

PLATFORM AND SCHEDULE

Elimination Round

Scheduled on **November 6, 2021**, the elimination round will be held from **8:20 AM to 10:00 AM** through the Geoid Quiz Discord Server.

PLATFORM AND SCHEDULE

Qualifying and Final Rounds:

The qualifying and final rounds will be held on the same day through the Geoid Quiz Discord Server from 1:00 PM to 4:00 PM.

PRIZES

Champion:

PHP 2,000

E-certificates for participants

Certificate for school

1st-Runner Up:

PHP 1,500

E-certificates for participants

Certificate for school

2nd-Runner Up:

PHP 1,000

E-certificates for participants

Certificate for school

PRIZES

Eliminations Round Top Scorer:

PHP 500

E-certificate for participant

REGISTRATION

- 1. Registration will start at 7:00 AM on the day of the event.
- 2. For pre-registered participants, a registration fee of PHP 200.00 per team shall be paid a week before the event. Payment can be done online through GCash or bank transfer to the following accounts.

GCash: 0926 001 8114 - Joselle Rose Lascoña

Paymaya: 0945 644 1065 - Christian Vargas

Landbank: 3077 1577 42 - Janna Jewel Cardiño **BDO**: 008650033941-Tricia Anne Marie Escordial

3. Only the first 20 schools will be accommodated. Even if the pre-registration period is not yet over, the organizers will no longer accommodate other schools once the maximum number of participants is reached.

REGISTRATION

- 4. Walk-ins will only be allowed if the allotted 20 slots were not filled and they must submit the accomplished Reply Slip and Student Information Form 3 days before the event.
- 5. For walk-in participants, a registration fee of Php 50.00 per participant shall be paid 3 days before the event. Participants may confirm their participation in Geoid Quiz 2021 through the event's online registration form (tinyurl.com/Geoid-Quiz2021RegistrationForm). After accomplishing the form, an acknowledgement email will be sent confirming the participation of the school.
- 6. Schools which did not meet the deadline of the pre-registration but interested in joining will be notified through email if there were slots available. The slot/s will be given on a first come, first serve basis, 3 days before the event.

General Guidelines

A. Geoid Quiz Discord Server Etiquette

- 1. Participants are required to turn on their camera and microphone.
- 2. Participants are not allowed to leave once the exam starts until the allotted time ends.
- 3. Participants are allowed to eat and drink during the examination rounds, as long as it will not interfere with the co-participants and facilitator. Also, they are not allowed to leave to get food/drink.
- 4. Use of communication devices such as mobile phones are not allowed during the examination rounds.
- 5. Participants are not allowed to switch tabs while the exam is ongoing.

B. Voice Channels

1. Participants will be assigned roles corresponding to their team following this format:

Code for Name of School: Team # - Surname
The code for name of school will be given upon registration.

2. There will be different voice channels for judges and coaches. The judges have access to each team's channel, and they will enter if there is a protest on the question.

General Guidelines

C. Calculator

1. Use of calculator in solving problems is strictly prohibited.

D. Emergency/Connectivity Issues

1. In case of an emergency such as internet or power outage, the participants must inform the facilitators immediately through text or messenger.

E. Questions

- 1. Questions may only be addressed to the facilitators.
- 2. Questions will be limited to clarifications of the given or the validity of the problems.
- 3. Only team members actively participating will be allowed to ask questions.

F. Answers

- 1. Answers should be in simplest form.
- 2. Unless otherwise specified, all answers should be limited to 3 decimal places only.
- 3. All answers should include the unit in SI unless otherwise stated.

G. Academic Integrity

- 1. Participants must sign the Pledge of Academic Honesty.
- 2. If a participant is caught cheating, the participant's team is automatically disqualified and eliminated from the contest.

Elimination Round

- 1. The elimination round will start at 8:00 AM at the Geoid Quiz Discord Server, and there will be 1 facilitator and 8 participants from random teams per channel.
- 2. The exam will be answered through google forms, monitored by AutoProctor.
- 3. The exam will consist of a 50-item multiple choice type of questions in the fields of: Mathematics (20 items), Science (20 items) and General Information (10 items).
- 4. Examinees are allowed to use scratch paper for solutions.
- 5. A maximum of two hours will be given to each contestant to answer the exam.
- 6. Same set of questions will be given to the participants, and final scores will be ranked according to JHS and SHS.
- 7. Elimination Round Results will be announced before the lunch break and Certificates of Participation will be given to the contestants.
- 8. Only 60% (rounded up to the nearest whole number) of the total number of participating teams with the highest average scores will advance to the Qualifying Round.
- 9. Special awards will be given to the top scorers of the Elimination Round.

General Guidelines for the Next Rounds

- 1. The decision of the panel of judges is final.
- 2. Questions will only be entertained before the quizmaster reads the next question.

Qualifying Round

- 1. The qualifying round will start at 1:00 PM at the Geoid Quiz Discord Server, and there will be 1 facilitator and 1 team per voice channel.
- 2. Questions are categorized as:
 - a. Algebra
 - b. Trigonometry
 - c. Geometry
 - d. Statistics
 - e. Pre-Calculus
 - f. Geology
 - g. Geography
 - h. Astronomy and Physics
 - i. Chemistry
 - j. General Information
- 3. The qualifying stage has three sets of questions; 10 questions for Easy level, 7 questions for Average level and 5 questions for Difficult level, a total of twenty-two (22) questions.

Qualifying Round

- 4. Participants are allowed to use scratch paper for solutions.
- 5. Participants should provide their own paper/board and marker. The written answers should be readable on the camera.
- 6. The facilitators will stream the main screen where the quizmaster will read the questions, to their respective voice channel.
- 7. All questions shall be read twice by the quizmaster and will be flashed on the screen after the first reading. After which, the contestants will be given the following time (unless specified otherwise) to answer the questions:
 - **1. Easy** 10 seconds
 - 2. Average 30 seconds
 - 3. Difficult 60 seconds
- 8. Teams are only allowed to write once the quizmaster says "Go" or "Timer starts now." If a team is caught writing before the quizmaster says "Go" or "Timer starts now," that team will be warned for the first offense, the team's answer will be void in the second offense, and the team will be disqualified for the third offense.
- 9. After the specified time, all final answers shall be raised. If a team is caught changing or still writing their answers after the time stops, the team's answer will be void. Only the first answer raised by the assigned team member will be acknowledged.
- 10. Questions may be in the form of multiple choice, identification, enumeration or computation.

Qualifying Round

- 11. For every correct answer, teams who answered the question correctly will earn the following points:
 - 1. Easy 2 points
 - 2. Average 3 points
 - 3. Difficult 5 points
- 12. The top 5 teams after the qualifying stage will automatically advance to the final round.
- 13. In case of a tie, a Clincher Round will be conducted, wherein the first team that can give the correct answer shall advance to the next round.

Final Round

- 1. The final round will proceed shortly after the Qualifying Round, and there will be 1 facilitator and 1 team per voice channel.
- 2. The facilitators will stream the main screen where the quizmaster will read the questions, to their respective voice channel.
- 3. The final round has three sets of questions; 5 questions for Easy level, 4 questions for Average level, and 3 questions for Difficult level, a total of twelve (12) questions. Questions for the difficult level, however, may range from 5 to 15 points.

Final Round

- 4. The final round will use a buzzer system through Buzzln.live. There will be an assigned team member for buzzing, such that the first team to buzz-in will be given the chance to answer the question which has been selected randomly.
- 5. The quizmaster shall read the question twice. However, the question will be flashed only after the first reading. Teams may opt to start discussing as soon as the quizmaster reads the question.
- 6. The teams may buzz-in at any time while the quiz master is reading the question. In the case when a team buzzes-in, the quiz master shall stop reading the question and acknowledge the team to give their answer. The contestants will be given the following time (unless specified otherwise) to answer the questions orally:
 - 1. Easy 5 seconds
 - 2. Average 8 seconds
 - 3. Difficult 10 seconds

If the team answers incorrectly, the quiz master shall continue reading the question.

- 7. If the answer is correct, the team will earn the corresponding points and shall have the privilege to choose the category for the next question.
- 8. In the case when the team answers incorrectly, other teams may buzz-in after the quiz master says "INCORRECT". Only up to two steals will be allowed.

Final Round

- 9. The corresponding points shall be given to the first team that gives the correct answer. For every correct answer, teams who answered the question correctly will earn the following points:
 - 1. Easy 2 points
 - 2. Average 3 points
 - **3. Difficult** 5, 10, and 15 points

If the team has run out of time, the opportunity will be open for the other teams.

- 10. All questions, unless specified, shall have a time limit of ten (10) seconds for the teams to buzz-in; otherwise, the correct answer shall be revealed by the quizmaster. Then the next question shall be randomly selected.
- 11. Questions and clarifications regarding the question recently given to the contestants shall be entertained only before proceeding to the next question. Any corrections will be considered void once the next category is already selected.
- 12. In case of a tie, a Clincher Round will be conducted in which the first team who will give the correct answer shall be declared the winner.
- 13. The game shall end when all the questions have been exhausted.
- 14. The team to obtain the highest total score for the final round will be awarded as the GEOID QUIZ 2021 Over-All Champion.

UP Geodetic Engineering Club reserves the right to change the part of the rules and regulations to further improve the conduct of the event and if deemed necessary.



I ELCHANICS & DETAILS



9BJECTIVES

- 1. To promote the University of the Philippines College of Engineering and the Department of Geodetic Engineering to future engineering students.
- 2. To broaden the awareness, interest, and understanding of Geodetic Engineering and its importance among students through poster making.
- 3. To encourage junior high school students to pursue the Science, Technology, Engineering and Mathematics (STEM) strand in the senior high school program.

PARTICIPANIS

- 1. Grade 9 to Grade 12 students for S.Y. 2021-2022.
- 2. Open to all high schools; private, public, or science high school.
- 3. Open to all schools nationwide.
- 4. Each High School can send at most two (2) participants, in which at most one (1) participant per category.

IMPORIANI DAIES

Start of Pre-Registration	October 7, 2021, 8:00 AM	
Deadline of Pre-Registration	October 18, 2021, 11:59 PM	
Start of Online Registration	October 19, 2021, 8:00 PM	
Deadline of Online Registration	October 24, 2021, 11:59 PM	
Releasing of Poster Topic	October 26, 2021, 1:00 PM	
Deadline of Poster Submission	October 26, 2021. 4:00 PM	
Deadline of Timelapse Video	October 26, 2021, 11:59 PM	
Announcement of Top 5 Posters per Category	October 30, 2021, 8:00 PM	
Deadline of Write-Up	October 31, 2021, 11:59 PM	
Facebook Posting of Qualified Poster	November 1, 2021, 8:00 PM	
Deadline of Facebook Reactions	November 4, 2021,11:59 PM	
Awarding of Winners	November 6, 2021, 4:00 PM	
Announcement of Winners on Facebook	November 6, 2021, 8:00 PM	

PRIZES

There will be two (2) sets of winners: one (1) for the traditional art category, and one (1) for the digital art category. The prizes are as follows:

Champion: Php 1500 with e-certificate

1st Runner-Up: Php 1000 with e-certificate

2nd Runner-Up: Php 500 with e-certificate

REGISTRAILUN

- 1. The registration will be online (https://tinyurl.com/Earthis-tic2021RegistrationForm). After accomplishing the form, an acknowledgment e-mail will be sent confirming the participation of the school. Deadline of Pre-registration will be on **October 18**, **2021**, **11:59 PM**.
- 2. Only the **first 15 registrants per category** will be accommodated, amounting to a maximum **total of 30 registrants** for the whole event. Even if the pre-registration period is not yet over, the organizers will no longer accommodate other schools once the maximum number of participants is reached.
- 3. For registered participants, a **registration fee of Php 100** per participant shall be paid. Send your registration fee to any of the following accounts below:

Mode of Payment	Account Number	Account Name	
Landbank	3077 1577 42	Janna Jewel A Cardiño	
BDO	008650033941	Tricia Anne Marie Escordial	
Gcash	0926 001 8114	Joselle Rose Lascoña	
Paymaya	0945 644 1065	Christian Vargas	

Send your proof of payment through the email of geoidquizxearthistic.upgeclub@gmail.com for the reservation of slot

REGISTRAILUN

- 4. In case the maximum number of participants is not reached during the pre-registration period, the organizing team will accept walk-in participants two days before the release of the poster topic.
- 5. Schools that did not meet the deadline of the pre-registration but are interested in joining will be notified through email if there are slots available. The available slot/s will be given on a first-come, first-served basis.

EVENT MECHANICS

- 1. The contest will be done asynchronously. **Two hours and 30 minutes** is allotted for the poster making itself and another 30 minutes is given for the participants to be able to submit his/her work online. Meaning, after the announcement of the theme, the participants are expected to submit before **October 26**, **2021 at 4:00 PM**.
- 2. Entries must depict the theme that will be revealed on **October 26, 2021 at 1 PM** via Facebook post and email.
- 3. Aside from the poster itself, the participants are expected to submit a **timelapse video** showing the participant's face and materials used while doing the poster.

- 4. The final poster should be uploaded to a google drive folder that will be emailed to the participant during the announcement of the theme. The google drive will be closed on **October 26, 2021 at exactly 4:00 PM**. On the other hand, the timelapse video must be submitted to the same google drive folder until **October 26, 2021 at 11:59 PM**.
- 5. The participants must use the following filename format:

File	Filename format
Poster	Earthistic2021_Poster_School_Last Name_Initials.jpg or .png Example 'Earthistic2021_Poster_PhilippineScienceHighSchool_DelaCruz_J.jpg or .png'
Timelapse	Earthistic2021_Timelapse_School_Last Name_Initials.mp4 Example. 'Earthistic2021_Timelapse_PhilippineScienceHighSchool_DelaCruz_J.mp4'
Description	Earthistic2021_Description_School_Last Name_Initials.txt or .docx Example. 'Earthistic2021_Description_PhilippineScienceHighSchool_DelaCruz_J.txt or .docx"

6. After the top 5 qualifiers of each category are announced, the participants are expected to submit a write-up/short description of their work with a maximum of 250 words, which can be in .txt or .docx format. It must be submitted to the same google drive folder provided a day after the announcement has been made starting **October 30, 2021 at 8:00 PM** until **October 31, 2021**.

- 7. Final posters submitted after the given time has elapsed will not be accepted. Should the participants encounter problems that may hinder them from abiding by the rules of the contest, they should contact the organizers as soon as possible. Late submissions for final posters may still be accepted if and only if the organizers find their reasons to be valid. For the timelapse video, there will be a deduction of 5 points per day that passes after the deadline. Lastly, if any of the top 5 participants is unable to submit a short description, their final poster will be posted without it.
- 8. The posters of the top 5 participants will then be posted, including the submitted write-up/short description, on November 1, 2021, 8:00 PM on the official page of Earthistic (https://www.facebook.com/earthistic). The result of the total number of heart reacts and shares of each participant's poster will affect the final scores. The deadline of Facebook reactions will be on November 4, 2021 at 11:59 PM.
- 9. The contest is divided into two (2) categories: **traditional art** and **digital art**. Further details about the two categories are as follows:

Digital Art

O Posters should follow the 300 dpi, A3 (297 x 420 mm landscape or portrait orientation). Failure in following the template would incur a 3-point deduction.

Digital Art

- O Contestants are allowed to use Photoshop, Adobe Illustrator, Procreate, or any related software applications or mediums for digital artwork.
- O The posters must be submitted in .jpg or .png format to the google drive folder sent together with the poster topic.

Traditional Art

- O Entries will be drawn on any side of a 1/4 illustration board (15 x 20 inches landscape or portrait orientation).
- O Failure in following the template would incur a 3-point deduction.
- O Each contestant must provide their own materials. They are only allowed to use the combination of the following medium and materials:

- ruler/ straight edge

- crayons

- markers

- cray pass

- pens

- oil paints

- pencil

- poster color

- colored pencils

- watercolor

Using other materials that are not stated above would incur a 5-point deduction.

• Traditional Art

- O Participants are required to take a **clear photo** of their artwork and submit it in .jpg or .png format to the google drive folder sent together with the poster topic
- 10. All artworks must be done and must be completed within the allotted time. All entries will be pre-numbered. No signatures, names, or other identifying marks should appear on the material of the entry.
- 11. The two aforementioned categories will be judged separately. Criteria for judging shall be:

a. Pre-Final Score

- Creativity	30%
- Ideas and Content	25%
- Presentation	15%
- Relevance to the theme	30%

- **Creativity**: This refers to the artwork's style, technique, execution, and composition.
- **Ideas and Content:** This refers to the ideas, insights, and concepts incorporated in the artwork.

- **Presentation**: This refers to the artwork's cleanliness, organization, and impact to its audience.
- Relevance to the theme: This refers to the concept's adherence to the theme that will be revealed at the event proper.

b. Social Impact Score

- A heart reaction corresponds to 1 point while sharing the main poster corresponds to 2 points. The shared post must be made **public** for it to be counted. Other reactions will **NOT** be counted.
- Aside from the reactions and shares, it is required to like the official page of Earthistic: (https://www.facebook.com/earthistic).
- -The posters will be ranked according to the total number of points and the participant that will garner the highest number of points will be ensured of 100 points. As for the remaining participants, the points that they will receive will be equal to the ratio of the total number of points divided by the highest total number of points.

Social Impact Score = $\frac{Participant's total number of points}{Highest total number of points} \times 100$

c. Final Score

- Pre-Final Score 85%- Social Impact Score 15%

All registered participants will be initially judged using the "Pre-Final Score" criteria wherein the top 5 participants per category will be picked. Afterwards, the top 3 will be determined using the "Final Score" criteria wherein 85% will come from the Pre-Final score and the remaining 15% from the Social Impact score.

- 12. The entries shall be judged by a Board of Judges, composed of artists and experts on the environment and the Geodetic Engineering profession.
- 13. The announcement of winners and awarding of prizes for Earthistic will be done simultaneously with the awarding of the Geoid Quiz winners on November 6, 2021. 4 PM via zoom. Details of the Awarding Ceremony will be sent through the email used during registration. If there are changes with the time of the awarding ceremony, the winners will be notified ahead of time via email. The winning posters will also be featured on the Earthistic Official Facebook Page.
- 14. All entries shall become properties of the UP Geodetic Engineering Club, which reserves the right to use, dispose of and reproduce the materials with or without modifications.

15. The decision of the Board of Judges shall be final. Any administrative or technical problems that may arise during the contest shall be resolved by the organizers, whose decision, moreover, shall be final.

UP Geodetic Engineering Club reserves the right to change the part of the rules and regulations to further improve the conduct of the event and if deemed necessary.

For questions and clarifications, you may contact: Joselle Rose Lascoña (09260018114) or Tricia Anne Marie Escordial (09270260670).

You may also send an email at: geoidquizxearthistic.upgeclub@gmail.com