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Republic of the Philippines  
**Department of Education**  
REGION I  
SCHOOLS DIVISION OF VIGAN CITY

Advisory No. 194, s. 2026

15 OCT 2026

In compliance with DepEd Order (DO) No. 8, s. 2023  
This advisory is issued not for endorsement per DO No. 28, s. 2001,  
But only for the information of DepEd Officials,  
Personnel/staff, as well as the concerned public.

**INVITATION TO ATTEND UNP LIKNAYAN EXPO 2026**

The Bachelor of Science in Physics program at the College of Arts and Sciences, University of Northern Philippines (UNP), will be hosting its flagship inaugural event, the **UNP Liknayan Expo 2026**, on **October 28, 2026**, at the University of Northern Philippines.

Derived from "Liknayan," the Filipino term for Physics, this expo is designed to ignite scientific curiosity, foster creative problem-solving, and demonstrate the real-world impact of physics among the youth of Ilocos Sur. Our primary objective is to build strong, long-lasting partnerships with secondary schools throughout the province to elevate and strengthen regional STEM education.

The expo offers a lineup of competitions tailored to showcase the academic rigor, communication skills, and innovative thinking of high school students:

- **Physics Olympiad:** A collaborative, two-hour theoretical and computational challenge for Grades 11 and 12 students.
- **Physics Explainer Video Competition:** A science communication event challenging students to distill complex physics concepts into engaging, accurate 3-minute videos.
- **Physics Research Idea Pitch Competition:** An innovation-focused event where Grade 10 students pitch scientifically grounded methodologies to address pressing societal, environmental, or technological problems.

In addition to these competitions, the expo will also feature a physics seminar highlighting the frontiers of modern physics, with a keynote on Quantum Science and Technology by Dr. Dean Alvin Pablico.

Participation of public elementary and secondary schools shall be on **voluntary basis** and in accordance with the DepEd Order No. 9, s. 2005 titled "*Instituting Measures to Increase Engaged Time-On- Task*" and DepEd Order No. 9, s. 2026 titled, "*Guidelines on the Implementation of the Three-Term School Calendar in Basic Education*".

For official event guidelines and detailed competition mechanics, see attached invitation letter.

For more information, please contact:

**JEROME P. MECCA, MS**

Program Head, BS Physics

FB Page: <https://www.facebook.com/profile.php?id=61590684141003>

SGOD/RQRJr/aff

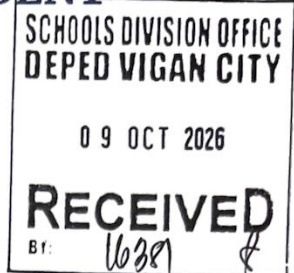
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## OFFICE OF THE PRESIDENT



October 05, 2026

**DR. VILMA D. EDA, CESO V**  
Schools Division Superintendent  
Vigan City, Ilocos Sur

**Subject: Invitation and Request for Endorsement for the UNP Liknayan Expo 2026**

Madam:

Greetings!

The Bachelor of Science in Physics program at the College of Arts and Sciences, University of Northern Philippines (UNP), will be hosting its flagship inaugural event, the **UNP Liknayan Expo 2026**, on **October 28, 2026**, at the University of Northern Philippines.

Derived from "Liknayan," the Filipino term for Physics, this expo is designed to ignite scientific curiosity, foster creative problem-solving, and demonstrate the real-world impact of physics among the youth of Ilocos Sur. Our primary objective is to build strong, long-lasting partnerships with secondary schools throughout the province to elevate and strengthen regional STEM education.

To achieve this vision, we have prepared a dynamic lineup of competitions tailored to showcase the academic rigor, communication skills, and innovative thinking of high school students:

- **Physics Olympiad:** A collaborative, two-hour theoretical and computational challenge for Grades 11 and 12 students.
- **Physics Explainer Video Competition:** A science communication event challenging students to distill complex physics concepts into engaging, accurate 3-minute videos.
- **Physics Research Idea Pitch Competition:** An innovation-focused event where Grade 10 students pitch scientifically grounded methodologies to address pressing societal, environmental, or technological problems.

In addition to these competitions, the expo will also feature a physics seminar highlighting the frontiers of modern physics, with a keynote on Quantum Science and Technology by Dr. Dean Alvin Pablico. In this regard, we respectfully request your office's support for the UNP Liknayan Expo 2026. Your leadership's endorsement will





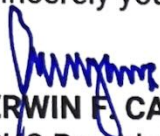
## OFFICE OF THE PRESIDENT

help disseminate this information and encourage active participation from high schools within your division.

Attached are the official event guidelines, detailed competition mechanics, and registration procedures for your review. We sincerely hope for your favorable response and support in our shared mission to cultivate the next generation of scientists, researchers, and innovators in the region.

Thank you very much, and more power to your leadership.

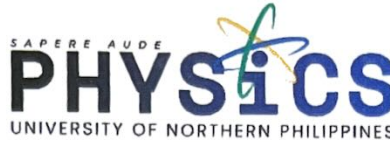
Sincerely yours,

  
**ERWIN F. CADORNA, PhD**  
SUC President



**PRIME ACCUP**  
LEVEL III INSTITUTION





## UNP LIKNAYAN EXPO 2026

October 28, 2026

Tadena Hall, University of Northern Philippines

### Overview

The UNP Liknayan Expo 2026 is the flagship inaugural event of the Bachelor of Science in Physics program at the College of Arts and Sciences, University of Northern Philippines (UNP). Derived from Liknayan, the Filipino term for Physics, the expo is designed to ignite scientific curiosity, foster creative problem-solving, and demonstrate the real-world impact of physical sciences among the youth. The event brings together the brightest high school students, educators, and science enthusiasts from across the province. Through a blend of rigorous theoretical challenge, creative digital storytelling, and practical innovation pitching, the Liknayan Expo positions UNP as the region's premier hub for future physicists, researchers, and innovators. Lastly, this event aims to build strong, long-lasting partnerships between UNP and secondary schools throughout Ilocos Sur to strengthen regional STEM education.

### Competition Details

#### 1. PHYSICS OLYMPIAD

##### Event Overview

A rigorous academic challenge designed for students who excel in theoretical and computational physics. In this collaborative, two-hour exam, pairs of senior high school students test their mastery of core domains—Mechanics, Thermodynamics, Electricity and Magnetism, Optics, and Modern Physics. It is the ultimate test of pure problem-solving skills, analytical thinking, and teamwork under pressure.

##### Eligibility

Each participating high school may send only one (1) representative team consisting of two Senior High School students (Grade 11 and/or Grade 12) and one official coach.

##### Registration

Teams must register through the official QR code on or before **October 14, 2026**.

##### Competition Mechanics

- **Coverage:** The exam will cover Mechanics, Thermodynamics, Electricity and Magnetism, Optics, and Modern Physics (Relativity and Quantum Physics).
- **Format:** A 2-hour multiple-choice problem-solving examination. The two team members will take the exam collaboratively.
- **Materials:** Exam booklets, a list of possibly useful formulas and physical constants, answer sheets, pencils, and scratch paper will be provided by the organizers.

- **Calculators:** Only standard non-programmable calculators are allowed. Proctors will inspect all calculators before the exam begins.
- **Attire & Identification:** Students must wear their official school uniform and bring their school ID for verification.
- **Tie-Breaking:** Ties for the Top 3 placements will be resolved through a live, on-stage sudden-death clincher round prior to the awarding ceremony.
- **Awards:** The top 3 highest-scoring teams will be awarded during the closing ceremony.

## 2. PHYSICS EXPLAINER VIDEO COMPETITION

### Event Overview

Inspired by the Breakthrough Junior Challenge, this multimedia competition transforms students into science communicators. Participants are challenged to distill a complex physics concept into an accurate, creative, and easily digestible 3-minute video. By combining scientific accuracy with engaging visual storytelling—and rallying public support on social media—students demonstrate how physics can be both fun and accessible to the general public.

### Eligibility

Each school may submit only one (1) video entry.

### Registration & Submission

A designated team representative must complete registration through the official QR code or link on or before **October 14, 2026**. The final video must be in MP4 format and uploaded via the provided submission link on or before **October 23, 2026, at 12:00 NN**.

### Competition Mechanics

- **Video Specifications:** The video must be exactly 3 minutes or less. It must explain a chosen physics concept accurately and in an easy-to-understand manner. The video must feature an appropriate and creative title.
- **Language:** Explanations may be in English, Filipino, or Ilocano.
- **AI Policy:** Purely AI-generated videos are strictly prohibited. While AI may be used for minor graphic elements or audio enhancement, the core explanation, script, and presentation must be entirely student-driven.
- **Public Engagement & Posting:** All valid video entries will be officially posted on the UNP Physics Program Facebook page on October 24, 2026. Total public engagement (reactions, shares, and comments) will count as 10% of the final score.
- **Engagement Cutoff:** The strict cutoff for accumulating and counting engagements will be on October 26, 2026, at 12:00 NN.
- **Fair Play Rule:** The use of bots, fake accounts, purchased engagement, engagement manipulation rings, or other artificial means to inflate metrics is strictly prohibited and will result in immediate disqualification.

### Criteria for Judging (Based on Breakthrough Junior Challenge)

- **Engagement & Illumination (35%):** Does the video capture the viewer's attention and make a complex physics concept accessible and clear?

- **Creativity (30%):** Is the approach to explaining the topic fresh, imaginative, and visually effective?
- **Difficulty & Scientific Accuracy (25%):** Is the chosen physics concept challenging, and is it represented accurately without misconceptions?
- **Public Engagement (10%):** Authentic Facebook reactions, shares, and relevant comments.

**Note:**

For a sample explainer video, see Hillary Andales' winning entry to the 2017 Breakthrough Junior Challenge: <https://www.youtube.com/watch?v=TLfZiGQjVT8>

The Top 3 teams will be invited to the awards ceremony for the official announcement of winners.

### 3. PHYSICS RESEARCH IDEA PITCH COMPETITION

#### Event Overview

An innovation-focused event that challenges students to apply physics to real-world problems. Rather than presenting completed research, participants identify a pressing societal, environmental, or technological issue and pitch a scientifically grounded methodology to solve it. Through a rapid 3-minute slide presentation and a live Q&A defense, students must convince a panel of judges that their conceptual idea is not only theoretically sound but also highly feasible and impactful.

#### Eligibility

Each school shall be represented by **one (1) Grade 10 student** and one official adviser.

#### Registration & Submission

A designated representative must complete registration through the official QR code or link on or before **October 14, 2026**. The Concept Paper must be submitted by **October 23, 2026**.

Click here for the official template of the Concept Paper:

<https://docs.google.com/document/d/1pI54r2WIMwbhUeIM3jZxoqusZrJ0YyWR/edit?usp=sharing&ouid=108973449893759537660&rtpof=true&sd=true>

#### Concept Paper General Formatting Guidelines

- Document Size: A4
- Length: Maximum of 3 pages
- Font: Times New Roman, Size 11
- Spacing: 1.5 Line Spacing
- Submission Format: PDF document
- Use APA 6th edition for short in-text citations and a full reference list

### Competition Mechanics

- **The Challenge:** Step beyond the textbook and use physics as a tool for real-world innovation. Identify a pressing societal issue, environmental challenge, or technological limitation, and propose an original, scientifically grounded solution.
- **Scope:** The goal is not to present completed research, but to pitch a completely new concept or a smarter approach to an existing problem. Students must formulate a compelling research question and design a feasible methodology.
- **Pitch Format:** Participants will deliver a 3-minute pitch using a slide presentation during the actual event. Slide decks must be submitted on a flash drive before the event begins.
- **Q&A:** The 3-minute pitch will be immediately followed by a short Question & Answer segment where the student must defend their idea to a panel of judges.
- **Attire:** Participants must wear business casual or their official school uniform.

### Criteria for Judging

- **Scientific Soundness & Physics Integration (30%):** Are the underlying physics principles accurate, logically applied, and central to solving the identified problem?
- **Innovation & Originality (25%):** Does the pitch offer a novel approach or a significant, creative improvement over existing solutions?
- **Feasibility & Real-World Impact (25%):** Is the proposed methodology realistic to execute, and does the idea hold genuine potential for practical application?
- **Presentation & Communication (20%):** Did the student deliver a clear, persuasive 3-minute pitch and effectively defend their rationale during the Q&A?

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*This event is co-organized with the Physics Association of Students and Enthusiasts (PhASE) and the Students of Arts and Sciences Organization (SASO).*

*For queries or concerns, please contact:*

**JEROME P. MECCA, MS**  
Program Head, BS Physics



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Official Facebook Page: **UNP Physics Program**  
(<https://www.facebook.com/profile.php?id=61590684141003>)

**PHYSICS**

**LIKNAYAN EXPO 2026**

OCTOBER 28, 2026  
UNIVERSITY OF NORTHERN PHILIPPINES

**PHYSICS**

**LIKNAYAN EXPO 2026**

OCTOBER 28, 2026  
UNIVERSITY OF NORTHERN PHILIPPINES

**UNP PHYSICS OLYMPIAD**  
TODNA HALL, UP

**PHYSICS EXPLAINER VIDEO**  
TODNA HALL, UP

**PHYSICS RESEARCH IDEA PITCH**  
OLD REGISTRAR'S OFFICE

**PHYSICS SEMINAR**  
TODNA HALL, UP

**SELECT MODE**

**LEVEL UP YOUR SCIENTIFIC CURIOSITY!**

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