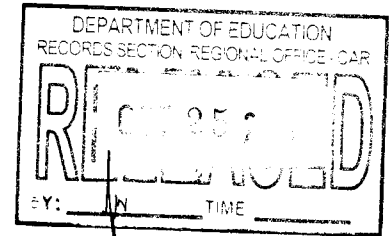




Republic of the Philippines  
**Department of Education**  
Cordillera Administrative Region



October 18, 2021

**REGIONAL MEMORANDUM**

No. 510.2021

**CALL FOR LEARNER'S RESEARCH PROPOSAL ON CLIMATE CHANGE  
ADAPTATION AND MITIGATION**

To: Assistant Regional Director  
Schools Division Superintendents  
Education Science Supervisors  
Senior Education Program Specialist (Research)  
Schools Division Coordinators, YFD & DRRM  
Heads, Public Secondary Schools  
Others concerned

1. In observance of the National Environmental Awareness Month and National Climate Change Consciousness Week this month of November, the DepEd-CAR regional office through the Education Support and Services Division is inviting junior and senior High school students to conduct research on Climate Change Adaptation and Mitigation on the following topics:

- a. Greenhouse Gases
- b. Oceans and Climate Change
- c. Storms and Climate Change
- d. Biodiversity and Climate Change
- e. Climate Justice

2. The goal of the activity is to:


- a. deepen students' understanding of climate change through their own research in selected topics;
- b. develop students' skills in research and research presentation;
- c. strengthen the link between the subject matter areas and discussion on climate change; and
- d. encourage the development of child-friendly information materials on climate change.



Address: Wagal, La Trinidad, Benguet, 2601  
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Quality Management  
System  
DE-50500784 QM15

3. The Research may be conducted individually or by group (maximum of 5 members) and shall be guided by a teacher-adviser during the conduct of the research. Interested student/s shall submit their names and proposed research topic/title to the Project Development Officer II (DRRM) in their schools division who shall endorse the same to the Education Support Services Division, DepEd-CAR Regional on or before November 5, 2021.
4. An online orientation and webinar via zoom shall be conducted on November 8, 2021 at 9:00-11:00 via zoom to launch the project. (Link to be provided a day before the activity). Guidelines for the conduct of the research is attached as Enclosure 1.
5. Deadline of submission of research proposal shall be on or before December 15, 2021 while submission of the research paper shall be on January 30, 2022. The research proposal and research paper shall be submitted following the attached template (Enclosure 1, No. 3).
6. A panel composed of representatives from DepEd-CAR, DENR and Climate Change Action Group shall review and approve the research proposal.
7. Certificates of Recognition and Tokens shall be given to the learner researchers and their research advisers. A special award shall also be given to the best research papers.
8. For information and dissemination.

  
**ESTELA L. CARINO EdD, CESO III**  
Director IV/Regional Director

encl:  
as stated

ESSD/EHM/epm

## GUIDELINES AND MECHANICS OF THE STUDENT RESEARCH PROJECT

### 1. Eligibility:

- a. Students currently enrolled in Grades 9-12 are eligible to join the Student Research Project. The research may be done individually or as a group (maximum of 5 members).
- b. All student researchers shall be guided and assisted by a teacher during the conduct of the research.

### 2. Research Topics

The researchers shall choose the subject of their research from the following topics:

- Green House Gases
- Oceans and Climate Change
- Storms and Climate Change
- Biodiversity and Climate Change
- Climate Justice

### 3. Submission of Intent:

Interested students shall submit their names and proposed research topic to their Schools Division DRRM Coordinator who in turn shall submit this to the ESSD, DepEd-CAR Regional Office, Wangal, La Trinidad, Benguet in the following format:

Division	Name of Researcher	School Enrolled in	Name of Research-Adviser	Research Title

### 4. Timelines: Submission of the following are as follows:

- i. Name of Researcher(s), members and Research Topic - November 8, 2021
- ii. Submission of Research Proposal- December 15, 2021
- iii. Submission of Research Paper- February 15, 2022

### 5. Conduct of the Research

- 5.1 Guided by their advisers and consultants, the students-researchers shall
- a. Explore their chosen topic through the collection of secondary and primary data
  - b. Develop a presentation material – may be made in any form

### 6. Special awards

A special award shall be given to the best research papers based on the following criteria:

- Accuracy, factual, data-based, scientific and adheres to the rigors of scientific research
- Proper citation of sources.
- Extensive and intensive coverage of the topic
- Inclusion of recommendations and action for children and youth
- Inclusion of local data (students' own barangay, municipality, province, country)

**TEMPLATES FOR THE LEARNER'S RESEARCH ON CLIMATE CHANGE  
ADAPTATION AND MITIGATION**

Research papers must be of Arial font and size of 11 pt. It must also be typed double-spaced (except for tables) on a standard A4 paper with 1" margins on all sides. (Pagination – Upper – right corner; Titles – center; Alignment – Left)

**A. RESEARCH PROPOSAL**

<b>Parts and Sub-parts</b>	<b>Content</b>
<b>Title Page</b>	Includes the title of the study, name/s of learner/s and adviser, Name of school, Schools Division Office
<b>Table of Contents</b>	
<b>Introduction and Rationale</b>	Provide the main information on the problem statement supported with literatures and / or related studies. Introduce to your reader the "problem" by providing a brief background of your research (International, National, and Local). Include the basic reasons how and why you came-up with the problem, and the probable solutions that you can offer.
<b>Research Questions</b> (General aim and Specific questions)	Your research questions are the directly linked to the aims of your paper. They are specific statements of what the proposed research is trying to answer. Good research questions will guide the overall approach of the proposed study. They establish the focus of the proposed research, determine the most appropriate methodology, guide the data collection, analysis and interpretation.  The question whether how many research questions are needed is purely dependent on specific issues related to the aim of your study.
<b>Scope and Limitation</b>	The Scope and Limitation defines the depth and coverage of the proposed study. You have to clearly articulate what you will do and what you will not do. You have to discuss the restrictions of the study.
<b>Methodology</b>	Explain the research design of the research with techniques that are used for gathering information and other aspects related to the research.  It includes discussions about your population and/or sample, data collection and tool, and data analysis. Who are and how many are your respondents? How will you select them? What will you use to collect your data? How and when will you collect your data? How are you going to analyze your data? What appropriate statistical tools will you use?
<b>References</b>	Your list of references is as important as the other parts of your proposal. Having a consistent referencing style demonstrates that your proposal is well-thought and well-written. For citations and references, we follow the APA 7th edition guidelines.
<b>Appendices</b>	Data gathering tool/s (example: questionnaire or interview guide questions) Letters, Consents and Assent forms

**B. RESEARCH PAPER** (for completed researches)

<b>Parts and Sub-parts</b>	
<b>Title Page</b>	Includes the title of the study, name/s of learner/s and adviser, Name of school, Schools Division Office
<b>Abstract</b>	An abstract is a concise summary that enables readers to quickly assess the contents and direction of the paper. <b><i>The abstract concisely describes the topic/purpose/scope, methods, principal findings and the conclusions.</i></b> It should be of <b>150 – 250 words in one (1) paragraph</b> , in Arial font and size of 11 pt, left alignment. It must also be typed single-spaced.
<b>Acknowledgements</b>	
<b>Table of Contents</b>	
<b>Introduction and Rationale</b>	---adapt or enhance what was written in the proposal – write in past tense----
<b>Research Questions</b> (General aim and Specific questions)	
<b>Scope and Limitation</b>	
<b>Methodology</b>	
<b>Results and Discussions</b>	Addresses the research questions by critically and comprehensively discussing and interpreting the results of the study; anchors effectively the results and discussions on the theories cited in the literature review - Present this in order or aligned to your research questions and with EXPLANATION, IMPLICATION, and CORROBORATION/CONTRADICTION on the data.
<b>Conclusions and Recommendations</b>	The conclusion presents a thorough summary of the findings that addresses the research questions.  The recommendations should be derived from the conclusions - suggests actions to be undertaken by specific stakeholders and study's potential utilization and adoption.
<b>Dissemination and Advocacy Plans</b>	you need to discuss how will you disseminate the outcomes of your proposed research. You need to indicate how will you disseminate the results of your study for a wider education community and for specific group of people, teachers, students, parents, or other stakeholders that may benefit from your finding. The key here is to make your results and findings accessible for key stakeholders.
<b>References</b>	Your list of references is as important as the other parts of your proposal. Having a consistent referencing style demonstrate that your proposal is well-thought and well-written. For citations and references, we follow the APA 7th edition guidelines.
<b>Appendices</b>	Data gathering tool/s (example: questionnaire or interview guide questions) Letters Consents and Assent forms