Republic of the Philippines
Department of Education
Negros Island Region
SCHOOLS DIVISION OFFICE- KABANKALAN CITY
Tayum St., Kabankalan City
Tel. No. (034) 471-2003
Fax No. (034) 471-2003
Email: dep_ed_bagnkal@yahoo.com.ph

August 27, 2019

DIVISION MEMORANDUM
No. 174 s. 2019

DIVISION SCILYMPICS 2019

1. With reference to Regional Memorandum No. 223 s. 2019 (Regional Scilympics), this Division will conduct the ***Division Scilympics 2019*** on **October 10 - 11, 2019** at Kabankalan National High School and Esteban R. Abada Memorial School-East respectively, Kabankalan City. This year's theme is ***"Critical Thinking and Creativity for Sustainable Development".***

2. This event aims to:

   a. Enhance minds-on, hands-on, and hearts-on science learning among elementary and junior high school learners;
   b. Enhance the development of critical science thinking skills;
   c. Give opportunities for the learners to design something out of given materials and justify the created products afterwards;
   d. Promote Science & Technology culture and consciousness among science learners and
   e. Make science principles alive, meaningful and relevant to the learners. The ***Scilympics 2019*** is composed of the following events:
      e.1. Science Investigatory Project (SIP) Fair
      e.2. Science Innovation Expo
      e.3. On the S.P.O.T. Science Competition
      e.4. Mega Quiz (Individual & Team Category)
      e.5. Create, Show and Tell
      e.6. Scilympics Can

3. Enclosed are the Matrix of Activities with person in charge and ***Scilympics 2019*** Guidelines and Mechanics.

4. All Science teachers must participate in this activity. Attendance will be checked.

5. The deadline for the submission of Science Investigatory Project write up in IMRAD to the Division Scientific Review Committee will be on October 3, 2019 in three (3) copies at **Talubangi National High School**. The color coding of the folder for the different categories is **yellow orange.**

6. Participants to the Division Scilympics 2019 are District Science Coordinators, coaches, teachers and winners in the different contest categories in Elementary, Junior High School and Senior High School in both public and private schools of this division. Division contestants are the districts' First, and Second Placers in Mega Quiz (Individual)and First Place Winners in the Team Category, First Place winners in Create, Show and Tell and Scilympics Can while in Science Investigatory Project, Science Innovation Expo and On the SPOT Science Competition participants are the top winners in all categories. A Registration Fee of Php 100.00 contestant and coach will be collected to defray expenses on the conduct of ***Scilympics 2019***, chargeable against local/PTA funds. District Science Coordinators are responsible for the collection of the registration. Deadline of the Registration fee will be a week before the scheduled date.

7. All school heads are hereby enjoined to give their full support and cooperation for the success of this event.

8. Widest dissemination and compliance of this Memorandum is desired.

MA. LORLINIE M. ORTILLO, CESO VI
Schools Division Superintendent

Inc: As Stated
To be indicated in the Perpetual Index under the following subjects:
Contest Programs

Enclosure No. 1 to Division Memorandum No. 174 s. 2019

DIVISION SCILYMPICS 2019

Matrix of Activities

Time	Activity	In-charge	Name of Facilitator	Venue
Day 1 (Oct. 10, 2019) 7:30 – 8:30 A.M.	Registration	District 1	*Dennis Presaldo (Elem) Leizel Tan (Sec)*	Kabankalan NHS Covered Court
8:30 – 9:30 A.M.	Opening Program	District 2	*Gina Orciada, Darlet Mar Lamasan, Stella May Correjado, Amelita Rubio*	Kabankalan NHS Covered Court
9:30 – 12:00 NN 1:00 PM – 4:00 PM	Science Investigatory Project (SIP)Fair (both Elem., Junior High School and Senior High School Category) Science Innovation Expo On the SPOT Science Competition		Chona Toroy, Bernadeth Dela Cruz, Gemmilyn Untal & Wilna Gasataya (for Elem), Leizel Tan, Ana Maria Baylon, & Jose Devin Celorico Concepcion Paglumotan, Rosel Gellecanao (for Junior & Senior High School) *Maica Bernardo, Gina Orciada, Maricel Yulo, Ruby Flaviano* *Jeffrey Lestino, Arnel Abaton, Nemuel Galimba, Famie Rose Calamba*	ERAMS-East for Elem and Kabankalan NHS for Junior and Senior High Kabankalan NHS Covered Court KNHS
Day 2 (Oct. 11, 2019) 8:00 AM to 12:00 NN	MEGA Quiz	**Grade 4** – *Gina Orciada, James Soriano & Analiza Gayoba* **Grade 5** – *Ana May Asong, Jeffrey Lestino & Marjolan Returan* **Grade 6** – *Zenia Barcoma, Sofia Ruiz & Reyjean Gatucao* **Team** *Neresa Nombre, Shella Mae Alolo, Arnaldo Rogon* **Grade 7** – *Lilibeth Padilla, Marilou Garcia & Claville Brillas* **Grade 8** – *Theresa Medel, Kent Gealon & Asuncion Lirazan* **Grade 9** – *Mailene Teope, Faith Canlog & Junette Hiponia* **Grade 10** – May Lipura , *Jestoni Despi & Regie Banggoy* **Team** *Melvie Jane Gelle, Emmabelle Altubar , Mayla Colagnos*	***Chelly D. Badayos** for Elementary* **Vicente Ynchausti** *for Junior High School*	ERAMS-East (for Elem) Kabankalan NHS (for Junior High School)
	Create, Show and Tell	**Analie V. Almaiz**	**Joevell Singson, Jay Delima, Ana Liza Gayoba & Nemuel Galimba** *for Elementary* **Greg Pedregosa, Evelyn Fairbanks, Wilna Gasataya & Carmeluz Villanueva** *for Secondary*	Kabankalan NHS Covered Court
	Scilympics Can	**Ana Liza Magbanua** *for Elementary* **Roland Tarrazona** *for Secondary*	*Anthony Dioso, Melranie Tellano, Darlet Mar Lamasan & Mercedita Onayan Anryl Mediadero, Jennela Arroyo, Jemir Victosa & Herman Quintanilla*	Kabankalan NHS Covered Court
1:30 – 2:30 PM	Closing Program	**District 2**	*Gina Orciada, Darlet Mar Lamasan, Stella May Correjado, Amelita Rubio*	Kabankalan NHS Covered Court

Working Committees:

Judges/Write-Ups	*Talubangi NHS Science Teachers*
Venue/Sound/Decoration/Registration	*ERAMS-East & Kabankalan NHS Science Teachers*
Garland/Accommodation /Certificates	*Greg Pedregosa & KV Science Teachers*
Program/Criteria/Tabulation Sheets	*Shella Mae Alolo & KIV Science Teachers*
Documentation/Results	*Jinno Grande & Jonil Mondia & KIII Science Teachers*
Food	*Leizel Tan & Kabankalan NHS Science Teachers*
Over All In-charge	*Science Teachers Ass'n. of the City of Kabankalan Officers*

Enclosure No. 2 to Division Memorandum No. 174 s. 2019

Guidelines and Mechanics of the Division *Scilympics 2019*

The *Scilympics 2019* aims to enhance minds-on, hands-on, and hearts-on science learning among elementary, junior and senior high school learners from both public and private schools of this division. This science activity is composed of four (4) phases: Phase 1 – Science Investigatory Project (Fair), Science Innovation Expo & On the S.P.O.T. Science Competition; Phase 2 – Mega Quiz; Phase 3 - Create Show and Tell and Phase 4 – Scilympics Can.

Mechanics of the *Scilympics 2019*

Phase 1 –

a. Science Investigatory Project (SIP) Fair.

The SIP Fair is a division-wide research competition that aims to promote S & T culture and consciousness among science learners. Moreover, it intends to identify the most creative and the best Science student researchers who will represent the division in the Regional Science & Technology Fair 2019-2020. The softcopies of the International Rules for Pre-college Science Research: Guidelines for Science and Engineering Fair and required forms are available at http://www.societyforscience.org/isef/rulesandguidelines for guidance.

The following are the category for the Science Investigatory Project:

1. Life Science both Individual and Team
2. Physical Science both Individual and Team
3. Robotics and Intelligence Machine Individual and Team Category

Elementary SIP participants may have a maximum of **four (4)** members in their team while the Junior and Senior High School a maximum of **three (3)**. Poster display of SIP projects will be done before the schedule of SIP contest. The adjudged top 2 best SIP in both individual and team category will advance to the Regional Finals.

The SIP will be judged according to the following criteria:

Scientific Thought & Engineering Goals	(30%)
Creative, resourcefulness & Inventiveness	(30%)
Thoroughness	(15%)
Research Skills	(15%)
Oral Presentation	(10%)

The best in Display Board will be judged according to the following criteria:

Adherence to format	40%
Correctness of Content	40%
Neatness	20%

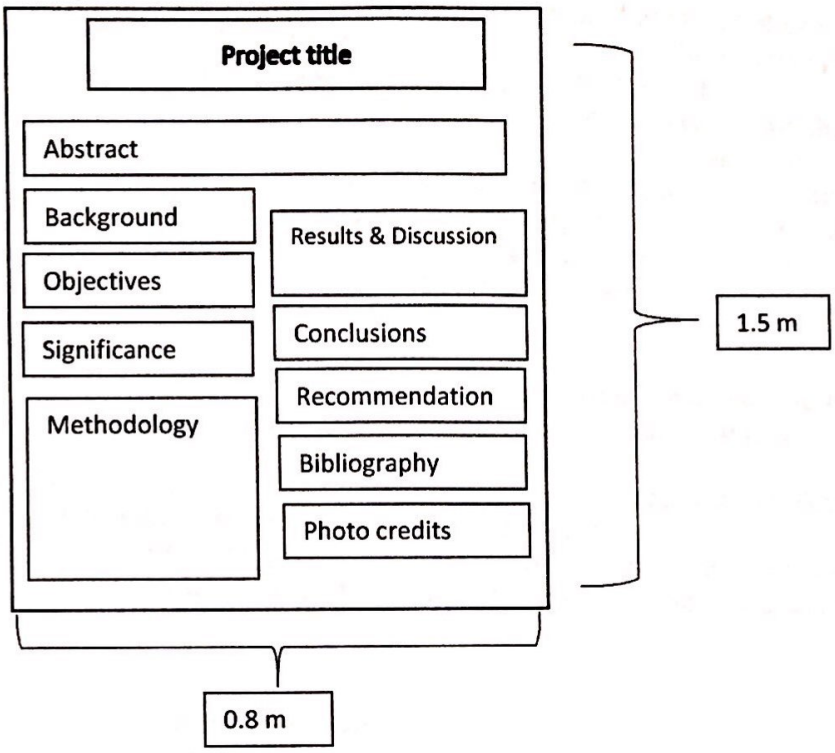
Below is the list of the **forms** to be included in the manuscripts for SIP:

1. ***RESEARCH PLAN***
2. ***FORMS*** for all the projects
   - *A. Checklist for Adult Sponsor*
   - *B. Student Checklist (1A)*
   - *C. Research Plan (NOTE: No need to attach the Research Plan Instruction)*
   - *D. Approval Form (1B)*
   - *E. Regulated Research Institutional/Industrial Setting form (1C)*
3. ***FORMS*** depending on the type of research (e.g. involving humans, vertebrate animals, hazardous chemicals, etc.)
   - *A. Qualified Scientist Form (2)*
   - *B. Risk Assessment Form (3)*
   - *C. Human Participants Form (4)*
   - *D. Human Informed Consent Form*
   - *E. Vertebrate Animal Form (5A)*
   - *F. Vertebrate Animal Form (5A)*
   - *G. Potentially Hazardous Biological Agents Risk Assessment Form (6A)*
   - *H. Human and Vertebrae Animal Tissue Form (6B)*
   - *I. Continuation Project Form (7)*
4. ***ABSTRACT*** (Maximum of 250 words)

   The abstract should include the following:
   - *A. Purpose of the experiment*
   - *B. Procedure*
   - *C. Data conclusion*

   The abstract may **NOT** include the following: Acknowledgement & Work of procedures done by the mentor
5. ***RESEARCH PAPER*** (Include the Title Page, Abstract, Main Body, and References)

6. ***PROJECT EVALUATION FORM***
7. ***SCANNED COPY OF THE LOGBOOK***



Poster Display for SIP and Science Innovation Expo

b. **Science Innovation Expo.** The Science Innovation Expo is a competition of either individual or team composed of two members which enables participants to display their innovations on science and technology as answers to everyday problems. Innovation Expo is designed to showcase products and innovation of learners. It aims to crowd-source and display Science and technology innovations and solutions to everyday challenges. Furthermore, it also aims to developing appropriate technologies, in particular by atking advantage of patent information for identifying suitable solutions to technical problems (DepEd Memo 134, s. 2018) Invention Report Paper includes the following:

a) Title Page and Table of Contents
b) Introduction: contains features ans specifications and market trends and opportunities
c) Materials and Methods
d) Results and Discussions
e) Conclusion
f) Acknowledgments
g) References/Bibliography; list should be written based on the Chicago Manual of Style.
For more information, you may visit the websites below:
http://www.chicagomanualofstyle.org/home.html
http://www.calvin.edu/library/knightcite/index.php

The Science innovation Expo will be judged according to the following criteria:

Scientific Thought & Engineering Goals	(30%)
Creative, resourcefulness & Inventiveness	(30%)
Thoroughness	(15%)
Research Skills	(15%)
Oral Presentation	(10%)

c. **On the S.P.O.T. Science Competition.** This is a Science event in the National Festival of Talents (NFOT) which allows learners in Junior and Senior High School to apply science and mathematics thinking skills to solve problems that have natinal or global impact. The team is compose of either two junior high school or two senior high school or a combination of both junior and senior high school learners. The competition requires the contestants to become problem-solvers, addressing challenging social, scientific and societal issues through creativity, critical thinking and other 21st century skills.

Contest Mechanics

Part I – One-Minute Presentation

1) The first part of the contest is the One-Minute Oral Presentation of the project proposal where the teams shall develop and present their proposal to the panel of judges of their solution about a real-world problem/scenario of local or global importance.
2) The situation containing the problem shall be given on-site on the day of competition. Other pertinent data shall also be presented as part of the scenario. The contestants are given 2 hours to conceptualize and prepare their slides for presentation. The contestants may use the internet and other printed resources in developing their presentation, however, the teams are not allowed to confer with their coach while the contest is on-going. Any form of communication between the contestants and other parties (coach, parents, classmates, teachers, etc.) shall warrant automatic disqualification.
3) The presentation may consist of the following:
4) During the presentation, one team shall be given one minuteb to present. The time shall start as the contestant starts to speak. After the presentation, the judges may ask questions to clarify details on their proposal.
5) Draw lots shall be done to determine the order of presentation. While one teasm is presenting, all the other teams shall be at the holding room.
6) The top 3 teams shall move to the final round. The finalists shall not be allowed to leave the contest venue during the break. They can take their meals/snacks in the contest venue.

Part II – Developing the Full Proposal

1) The full proposal is a detailed written description of participants' proposed solution/innovation. Just in the first part, the teams are allowed to use internet and other print resources. They shall develop and print their proposals within 4 hours. The scores in teh preliminary round shall have no bearing in the final round.

   The Full Proposal shall have the following components:

   a. Title
   b. Summary (200-300 Words)
   c. Background and Problem
      - Describe the challenges and how the proposed solution address the problem
      - Scientific Principles and Technology applicable to the resolution of the problem
      - Beneficiaries
   d. Proposed Solution to the Problem Presented
      - Methods/Details of the proposed solution including the Cost-Analysis
      - Include illustrations, figures and charts
   e. References
      - May use any format as long as consistency is observed
2) The teams shall encode their proposals in word processing software, double spaced using Bookman Old Style font size twelve set in A4 size paper. Margins shall be 1 inch in all sides of the paper. Within the 3 hours, the teams shall submit their printed proposals (three copies) to the panel of judges.
3) The proposals shall be subjected to a plagiarism check.
4) There shall be oral presentations limit4ed to 3 minutes for each team. Questions may be asked by the judges after each presentation. The order of presentation shall follow the order in the first part.

	Criteria (Part I)	Percentage
Criteria for Assessment	Discussion/Arguments (based on scientific, technological and other valid assumptions)	30 %
	Relevance of data used	20 %
	Feasibility of the proposed solution	20 %
	Clarity of presentation (ability to effectively communicate solutions)	20 %
	Evidence of effective collaboration	10%
	TOTAL	**100 %**

	(Part II)	
	Organization/Discussion/Arguments (based on scientific, technological and other valid assumptions)	30 %
	Relevance of data used	20 %
	Feasibility of the proposed solution	20 %
	Clarity of Presentation • Written • Oral	 15 % 10 %
	Evidence of effective collaboration	5 %
	TOTAL	**100 %**

Phase 2 – Mega Quiz

Participants to the Mega Quiz are the top 2 winners for individual category and top 1 winner for the team category in the District Level Competition. This is open to bona fide elementary (Grade 4 – Grade 6) and Junior High School (Grade 7 – 10) learners. This is an ***individual*** and ***Team Competition*** which aims to enhance development of critical thinking skills. The coverage of the quiz is based on the DepEd Learning competencies from the **1st to 2nd Grading Period, NAT Least Learned Skills plus Science Updates**. There will be three (3) categories to be observed in conducting this competition: Easy round (2 questions; 1 point per correct answer); Average Round (3 questions; 2 points per correct answer); and Difficult Round (5 questions; 3 points per correct answer). The Clincher Round will only be done in case there is a tie after the scores are summed up in the three categories. A **separate contest** will be conducted for every grade/year level for the ***individual*** and **another** for the ***Team Competition*** composed of four (4) members for Secondary and three (3) members for the elementary coming from each grade.

Phase 3 – Create, Show & Tell

The Create, Show & Tell contest is open to **Grade 3 to Grade 6** and **Grade 7 to 12** learners who are declared as district winners. This is a Team Competition composed of four (4) members which may come from the same level or a combination of each grade level. The contest gives opportunities for the participants to design something out of the given materials and justify the created products afterwards. The Committee assigned to conduct this contest will prepare the needed materials and objectives of the contest.

There will be three (3) activities to be performed by the participants and winners in this phase will be determined using the overall rank of the participants. The following rubrics will be considered in giving points to the created products:

Standard	Excellent(5)	Good(3)	Fair(1)
Suitability of the designed product	The created product is well-designed and suited to the objective/s of the activity	The created product is generally suited to the objective of the activity but needs improvement for better design	The created product does not answer the objective and needs a lot of improvement
Correctness of justification	The justification done is free from errors. The information given is precise and accurate.	The justification done is almost free from errors. The information given is appropriate but needs more elaboration.	There are several errors in the justification. The information given is unclear.

Phase 4 – Scilympics Can

The Scilympics Can is a garbage container design competition which will be participated by registered participants per district. A maximum number of three (3) members per district are allowed for this contest. Participants will bring painting materials enough to design the can provided by the committee. The theme will be "Critical thinking and creativity for Sustainable Development". Winners will be given certificates. Painted Scilympics Can will be donated to the host school.

CRITERIA FOR JUDGING

The criteria for judging of the created Scilympics Can will be as follows:

Creativity and Originality – 30%The state or quality of the work portrays meaningful, new and unique ideas aligned with the given theme

Quality of Art Piece- 30%Accuracy of the drawing, control of the medium, quality of the colors and balance between colors and design.

Clarity of the Theme- 20% How well the finished work represents the motif/ theme and whether the motif/theme is understood by onlookers.

Overall Impact -20% How strong the message or impression of the art work conveys to the observers.

SPECIFIC CONTEST GUIDELINES

1. Teams must have their own painting materials needed for the contest.
2. Teams will bring their own can (painted white) to be used in the garbage container design competition.
3. All work must be completed and submitted within the prescribed time given (2 hours).
4. All participating teams will make a design through freehand drawing that depicts the motif/theme of Scilympics 2019
5. Two (2) hours will be given to all teams to finish painting their Scilympics Can.
6. Measuring and drawing tools are not allowed to be used in painting the Scilympics Can.
7. Paints that contain hazardous materials are strictly prohibited.
8. Spray paints are not allowed to be used as painting materials.
9. Only enamel odorless paints are allowed to be used as painting materials.
10. Obscene and/ or indecent forms, caricatures, or figures are not allowed.
11. Coaching by any person other than the officially registered contestants is not allowed. This is a valid ground for disqualification.
12. Participants are expected to be in the contest venue one (1) hour before the contest for orientation, briefing, and inspection of personally-brought materials.
13. Pre-drawn objects are prohibited.
14. The *Scilympics Can* tagline must be a part of the design.
15. Members of the contesting teams must be in their working clothes and should provide themselves with hand towels, mask, goggles/protective eye wear and rags during the contest.