



Department of Education
Cordillera Administrative Region
DIVISION OF BAGUIO CITY
#82 Corner Military Cut-off, Baguio City
Tel. No.: 442-7819 Fax: (074) 442-7819



DIVISION OFFICE
BAGUIO CITY

NOV 25 2019

RELEASED

DIVISION MEMORANDUM

No. 62, s. 2019

To: Public School District Supervisors
All School Heads (Public and Private Schools)

Subject: CONDUCT OF 2019 DIVISION SCIENCE QUEST

Date: November 21, 2019

1. This is to inform the field that the conduct of the *Division Science Quest* will be December 6-7, 2019 at the Division Office Training Center, PFVR and M. L. Quezon Elementary School.
2. The activity aims to:
 - a. develop and showcase the talents and skills of the learners and teachers in Science through the conduct of various activities, and
 - b. develop the spirit of teamwork, sportsmanship and camaraderie among the participants.
2. Attached are the program of activities, list of committee teams and mechanics and criteria on the various events to be contested.
4. The activity is open to all interested students with their coaches. Submission of the list of participants by the District Science Teacher Coordinator to the Science Education Supervisor will be on December 5, 2019.

Note : **NO REGISTRATION FEE.**

5. Immediate and wide dissemination of this memorandum is earnestly desired.

MARIE CAROLYN B. VERANO, CESO VI
Schools Division Superintendent


JULIET C. SANNAD, Ed. D.
Chief-Curriculum Implementation Division
OIC - OFFICE OF THE CDS

I.

PROGRAM OF ACTIVITIES / MATRIX

Time/Date	Day 1 December 6, 2019	Day 2 December 7, 2019
8:30- 12:00		*Search for Geno and Binarizing Kalikasan (Secondary) *Little Prince and Princess (Elementary) *SCI-Jingle
12:00-1:00	Lunch Break	
1:00-1:30	Opening Program	
1:30-3:00	*On the Spot Painting * Collage Making **Poster Making *SCI-Photo Journalism	1:00-3:00 *SCI-Modern Tech *SCI-DUCO *Techno and Environment Quiz *Creative Modelling *Tower of Hanoi *Rubiks Cubes
3:00-5:00	SCI-Writing SCI-Speech (Oration-English & Filipino) SCI-Spelling *Impromptu Speech (Extemporaneous) -English & Filipino) SCI-Essay (English & Filipino)	*Closing Program
4:30-5:00	Awarding of winners	

ORATION- ENGLISH - HIGH SCHOOL - SENIOR HIGH SCHOOL

Environment, Science and Technology

The advent of the 21st century marks a new era of highly sophisticated innovations in terms of science and technology that, indeed, in its entirety offers easier ways in dealing with certain things that we thought we could not achieve in the past. Powerful machinery offered NASA for example, the ability and opportunity to conduct researches beyond, which resulted to fascinating findings. Technological advancement paved the way for new inventions that proved helpful in our daily life.

Innovations, though it makes our life more bearable is accompanied by some serious concerns. The higher technological advancement we reach, the more problems we create. Both are intertwined in a way that the other is affected if the other is changed. In a report made by Miller (2008) et. al, they stressed that human applications of science and technology pose arguably the single greatest source of threats to global sustainability. In our quest for economic growth and prosperity, we chose to ignore the consequences that comes along with it-climate change and global warming. We chose to ignore in a way that the leaders we elected, having the utmost trust in them would decide to back out in international agreements that seeks to prevent further damages towards our planet and to uphold our task as supposedly the warden of the planet and we chose to ignore in a way that our actions do not reflect what we are preaching.

On the other note, some individuals did answer to the call of making sure that while we are on the lookout for the better future, we must not forget to look back and make sure we are also doing our part to save what is left. Innovation therefore should also focus on coming up with ways to combat these problems and risks posed by industrialization. We must also acknowledge the inputs and ideas of those individuals who are engaged in scientific researches because we cannot deny the fact that these findings they have collected can pose a big impact in the innovation system. We should not, at the slightest, say or dismiss that their findings are not feasible or too ambitious to be applied since the main purpose of technology is to make sure we can try at least to implement some of it, if not the entire research recommendation. The principle of trial and error is also at play.

As we then move towards sustainable development, we must assure the public that the policies we make are supported or backed up by evidences, guided by the principles of knowledge no matter what area of knowledge that is. It is safe to say that science enlightens us on the most appropriate path towards sustainable future while technology, on the other hand, leads us to that path more accurately and efficiently.

COMPETITION GUIDE

LITTLE PRINCE AND PRINCESS/ GINOO AT BINIBINING KALIKASAN

CATEGORIES:

- Grade 4- Grade 6
- Junior and Senior High School

RULES AND MECHANICS:

1. Participants are bona fide Elementary Pupil, Junior High School and Senior High School Students.
2. Participants will be coming from each district. 2 pairs per district (1 Public School, 1 Private School)
3. Participants must be 30 minutes earlier at the venue prior to the announced scheduled of the competition.
4. Participants are required to have a pre-registration representing each District.
5. Participants are required to bring their own attire/costume in the following category:
 - a. School Uniform- the students' school uniform with props.
 - b. Sports Attire- any sportswear representation (do not use complicated props that will make delays on the competition)-Sportswear must be decided earlier to avoid repetition. (c/o District Representative)
 - c. Casual Attire-

LADIES	GENTLEMAN
Sunday Dress with Flat shoes	Polo Shirt and jeans (slim fit) with black leather shoes

- d. Formal Attire/ Indigenous Attire- A gown/formal attire that uses Indigenous materials.

**Production number- with chiffon cloth

LADIES	GENTLEMAN
Black leutard (or anything that is black shirt fitted) Floral crown	Black sando Cycling shorts (knee level) **leafy crown **accessories

6. Participants are required to perform his/her talent with a limit time of 3 minutes including his/her into and the exit. (candidates shall provide music for their talent)
7. Participants are required to fill up/submit his/her personal information together with the list of materials used in his/her indigenous attire or simple descriptions his/her wear for voice over purposes.
8. For Question and Answers, actual questions will be coming from the judges.
9. There will be 4 winners in every category (3rd Runner-up to First Runner-up and the Ginoo at Binibini title Holder) – winners may vary per category depending on the given number of participants.

CRITERIA FOR JUDGING:

	PERCENTAGE
TALENT	20%
BEAUTY AND HANDSOMENESS	20%
INTELLIGENCE/ Q & A	20%
COSTUME:	40%
School Uniform	5%
Casual Attire	5%
Sports Attire	
10%	
Indigenous Attire	
20%	
TOTAL	100%

AWARDS:**Special Awards:**

1. MR. and MS. TALENT
2. BEST IN SPORTS WEAR
3. BEST IN CASUAL WEAR
4. BEST IN INDIGENOUS ATTIRE
5. MR. and MS. INTELLIGENCE

Major Awards:

1. THIRD RUNNER-UP
2. SECOND RUNNER-UP
3. FIRST RUNNER-UP
4. TITLE HOLDER- GINOO AT BINIBINING KALIKASAN

OTHER AWARDS:**NOTES:**

1. Contestants must bring their School ID for proper identification.
2. Contestants must be in the venue until the competition has been concluded.
3. Contestants will no longer be accepted when the competition has already been started by the facilitators/judges.
4. The decision of the Board of Judges is final.

COMPETITION GUIDE

SCI-JINGLE CONTEST

Rules and Mechanics

1. Participants are 12-20 members.
2. Costume/ attire must be with Science Implication.
3. Copy of the song must be submitted to the judges.

Criteria:

- | | |
|-----------------------------------|------------|
| a. Originality - | 30% |
| b. Harmony with Music- | 25% |
| c. Difficulty of lyrics and tone- | 25% |
| d. Relevance to the theme- | <u>20%</u> |
| | 100% |

MECHANICS AND CRITERIA FOR JUDGING FOR THE 2019

SCIENCE CAMP-SCIENCE QUEST

DEPARTMENT OF EDUCATION, DIVISION OF BAGUIO CITY

IN ASSOCIATION WITH ASSOCIATION OF SCIENCE EDUCATORS OF THE PHILIPPINES (ASEP), BAGUIO CITY ASSOCIATION OF SCIENCE TEACHERS (BCAST) AND ASSOCIATION OF PRIVATE SCHOOLS SCIENCE TEACHERS OF BAGUIO (APSST)

"ENHANCING THE QUALITY OF LIFE THROUGH TECHNOLOGY, RESEARCH AND CLEAN AND GREEN ENVIRONMENT"

SCIENCE ARTS- ON THE SPOT PAINTING

MECHANICS:

1. Must be currently enrolled student of either public or private elementary, high school and senior high school in the Division of Baguio City.
2. **One or more participants per Grade level are allowed since it is an open competition; Elementary, Junior and Senior High School Departments are separated.**
3. Strictly no pre-done works, any pre-done works will not be allowed to be brought in the area of the competition and thus be confiscated.
4. Any participant of private or public school who will be caught cheating, plagiarize and copy other works from the internet sources, pre qualifying competition pieces form other divisions or directly copying concepts form pieces or works won from the past will be apprehended and be disqualified from the competition.
5. Only the allowed materials for each department level will be used in the competition:
Elementary: the material will be cray pas or pastel
Junior and Senior High School: the material will be pastel, poster paints (ACRYLIC), water or oil-based paints.
The medium or canvas for the on-the-spot painting will be ¼ illustration board for ELEMENTARY and 1/2 illustration board FOR THE SECONDARY.
No borrowing of materials. You must bring your own art material.
Bring pencil and brushes for the use in competition. No other materials are allowed.
6. All participants are advised to be early in the area of the competition.
7. The artworks must be completed within the 2-hour allotted time.
8. Coach/coaches are not allowed to converse with their participants. All questions or concerns should be addressed through the committee that is in-charged or the officers of the associations of BCAST and APSST.
9. Judging and criteria mechanics will be solely regulated, mandated and implemented by the APSST and BCAST with the aid of ASEP mechanics as a basis.
10. Contentions and judging concerns including cheating, lying and deliberate misconduct must be brought to the attention of the committee and the implementing associations.
11. All mechanics will be oriented before the competition starts.
12. Judges decisions are final and non-contestable after clarifications of all concerns.

JUDGING MECHANICS:

Creativity:	25%
Relevance to the Theme	20%
Color Harmony	25%
Neatness	15%
Uniqueness/Visual Impact	15%
Total	100%

SCIENCE ARTS- POSTER MAKING

MECHANICS:

1. Must be currently enrolled student of either public or private elementary, high school and senior high school in the Division of Baguio City.
2. **One or more participants per Grade level are allowed since it is an open competition; Elementary, Junior and Senior High School Departments are separated.**
3. Strictly no pre-done works, any pre-done works will not be allowed to be brought in the area of the competition and thus be confiscated.
4. Any participant of private or public school who will be caught cheating, plagiarize and copy other works from the internet sources, pre qualifying competition pieces form other divisions or directly copying concepts form pieces or works won from the past will be apprehended and be disqualified from the competition.
5. Only the allowed materials for each department level will be used in the competition:
 - a. **Elementary: the material will be cray pas or pastel**
 - b. **Junior and Senior High School: the material will be pastel and crypas.**

The medium or canvas for the poster making will be a 1/2 illustration board FOR ELEMENTARY AND SECONDARY.

No borrowing of materials. You must bring your own art material.

Bring pencil, marker, ruler, cotton and eraser for the use in competition. No other materials are allowed.
6. All participants are advised to be early in the area of the competition.
7. The artworks must be completed within the 2-hour allotted time.
8. Coach/coaches are not allowed to converse with their participants. All questions or concerns should be addressed through the committee that is in-charged or the officers of the associations of BCAST and APSST.
9. Judging and criteria mechanics will be solely regulated, mandated and implemented by the APSST and BCAST with the aid of ASEP mechanics as a basis.
10. Contentions and judging concerns including cheating, lying and deliberate misconduct must be brought to the attention of the committee and the implementing associations.
11. All mechanics will be oriented before the competition starts.
12. Judges decisions are final and non-contestable after clarifications of all concerns.

JUDGING MECHANICS:

Creativity:	25%
Relevance to the Theme	20%
Color Harmony	25%
Neatness	15%
Uniqueness/Visual Impact	15%
Total	100%

SCIENCE ARTS- COLLAGE MAKING

MECHANICS:

1. Must be currently enrolled student of either public or private elementary, high school and senior high school in the Division of Baguio City.
2. **One or more participants per Grade level are allowed since it is an open competition; Elementary, Junior and Senior High School Departments are separated.**
3. Strictly no pre-done works, any pre-done works will not be allowed to be brought in the area of the competition and thus be confiscated.
4. Any participant of private or public school who will be caught cheating, plagiarize and copy other works from the internet sources, pre qualifying competition pieces from other divisions or directly copying concepts from pieces or works won from the past will be apprehended and be disqualified from the competition.
5. Only the allowed materials for each department level will be used in the competition:

Elementary, Junior and Senior High School will be recycled materials: 70% RECYCLE MATERIALS MUST BE USED AND 30% INDIGENOUS MATERIALS.

- a. Magazines and newspapers- any paper-based materials that may be classified as newsprint
- b. No use of colored papers, construction papers, cartolinas or art papers
- c. Other waste materials like dried leaves, twigs, stones, shells, water or soda bottles, water bottle caps, old Styrofoam, old wirings, ballpoint shells, product cartons and bark of wood are allowed to be used as addition to above mentioned materials.
- d. Glue, glue stick, paste and other adhesives like silicon, tape, double sided tapes, contact cement can be used to stick the materials together.
- e. No use of technological waste materials like bulbs, old mobile phones, toys, toy cars, computer hardware and software, computer shells, hardware materials except old wirings and contact cement; NO glass and ceramics, tiles and industrial plastics and metal scraps; pointed objects like blades, nails and knives.
- f. Scissors and cutters for cutting are allowed.

The medium or canvas for the collage making will be a 1/2 illustration board.

No borrowing of materials. You must bring your own art material.

6. About 70 % of the final work must be composed of RECYCLE MATERIALS and the other 30% INDIGENOUS MATERIALS.
7. All participants are advised to be early in the area of the competition.
8. The artworks must be completed within the 2-hour allotted time.
9. Coach/coaches are not allowed to converse with their participants. All questions or concerns should be addressed through the committee that is in-charged or the officers of the associations of BCAST and APSST.
10. Judging and criteria mechanics will be solely regulated, mandated and implemented by the APSST and BCAST with the aid of ASEP mechanics as a basis.
11. Contentions and judging concerns including cheating, lying and deliberate misconduct must be brought to the attention of the committee and the implementing associations.
12. All mechanics will be oriented before the competition starts.
13. Judges decisions are final and non-contestable after clarifications of all concerns.

JUDGING MECHANICS:

Creativity:	30%
Originality	20%
Relevance to the Theme	25%
Symbolic/Visual Impact	25%
Total	100%

SCIENCE SPELLING BEE

MECHANICS:

1. Must be currently enrolled student of either public or private elementary, high school and senior high school in the Division of Baguio City.
2. One or more participants per Grade level are allowed since it is an open competition; Elementary, Junior and Senior High School Departments are separated.
3. Deliberation of the questions will happen before the date of the competition with the representative of the association of APSST and BCAST.
4. No group competitions will be done; all competing individuals whether the same school or not are asked to participate fairly and honestly.
 - a) GRADES 3
 - b) GRADES 4-6
 - c) GRADES 7-10
 - d) GRADES 11-12
5. The coverage of the spelling bee will be coming from the First and Second Quarter for the Elementary and Junior High School and Earth and Life for the Grade 11 and Physical Sciences for the Grade 12.
6. Strictly provided materials from the committee and the association for the spelling bee will be utilized in the competition.
7. Any participant of private or public school who will be caught cheating will be apprehended and be disqualified from the competition.
8. No drafts or reviewers of any kind can be used during the competition.
9. The Spelling Bee questions category will be divided into three: Easy, Average and Difficult and additional clincher.
10. Questions for the Spelling Bee will be coming from each district: Each District will submit 5 questions from Easy, Average and Difficult and additional 5 for clincher. All questions will be read during the competition. Clincher questions will be only be read in case of tie points.
11. The Quizmaster must read the words clearly and give the definition of the words. In cases of multiple spelling variations, settle the concerns immediately before proceeding with the next word.
12. No entry questions for scientists' name or person names to avoid discussions of variations of spellings. Variations in terminologies must be discussed and be settled before proceeding to the next word.
13. The participants must write his/her final answer on the board. If the board has two answers, kindly mark a cross on the word if not the answer and the other as encircled as final answer.
14. All answers must be correctly spelled, all answers must also be observed with proper capitalization as proper noun rule. Answers should not be all in capitalized letters.
15. All participants are advised to be early in the area of the competition.
16. Coach/coaches are not allowed to converse with their participants. All questions or concerns should be addressed through the committee that is in-charged or the officers of the associations of BCAST and APSST.
17. Judging and criteria mechanics will be solely regulated, mandated and implemented by the APSST and BCAST with the aid of ASEP mechanics as a basis.
18. Contentions and judging concerns including cheating, lying and deliberate misconduct must be brought to the attention of the committee and the implementing associations.
19. All mechanics will be oriented before the competition starts.

CATEGORY	TIME	READING OF QUESTIONS	NUMBER OF QUESTIONS PER DISTRICT	POINTS	TOTAL NUMBER OF QUESTIONS
EASY	10 SECONDS	2 TIMES	5	1	VARIES
AVERAGE	15 SECONDS	2 TIMES	5	2	VARIES
DIFFICULT	60 SECONDS	2 TIMES	5	3	VARIES
CLINCHER	10 SECONDS	2 TIMES	VARIES	1	VARIES

SCIENCE ENVIRONMENTAL QUIZ

MECHANICS:

1. Must be currently enrolled student of either public or private elementary, high school and senior high school in the Division of Baguio City.
2. **One or more participants per Grade level are allowed since it is an open competition; Elementary, Junior and Senior High School Departments are separated.**
 - a. GRADES 4-6
 - b. GRADES 7-10
 - c. GRADES 11-12
3. **The coverage of the Environmental Quiz Bee will be coming from the sources which discusses the Environmental Laws and regulations and protection laws for the environment that can be applied nationally and internationally.**
Questions should only focus on Environmental Laws and Protection laws including implementing organizations, associations, agencies, government policies and guidelines, environmental facts and current world issues regarding the environment not Earth Sciences. Earth Science questionnaires must be eliminated before proceeding in the competition.
4. **Deliberation of the questions will happen before the date of the competition with the representative of the association of APSST and BCAST.**
5. **No group competitions will be done; all competing individuals whether the same school or not are asked to participate fairly and honestly.**
6. **Strictly provided materials from the committee and the association for the environmental quiz will be utilized in the competition.**
7. **Any participant of private or public school who will be caught cheating will be apprehended and be disqualified from the competition.**
8. **No drafts or reviewers of any kind can be used during the competition.**
9. **Questions for the Environmental Quiz will be coming from each district: Each District will submit 5 questions from Easy, Average and Difficult and additional 5 for clincher. All questions will be read during the competition.**
Easy Questions must be in multiple choice. Average must be in multiple choice and Difficult must Identification or Fill in the Blanks. Clincher must be in multiple choice. Clincher questions will be only be read in case of tie points.
10. **The participants must write his/her final answer on the board. If the board has two answers, kindly mark a cross on the word if not the answer and the other as encircled as final answer.**
11. **All participants are advised to be early in the area of the competition.**
12. **Coach/coaches are not allowed to converse with their participants. All questions or concerns should be addressed through the committee that is in-charged or the officers of the associations of BCAST and APSST.**
13. **Judging and criteria mechanics will be solely regulated, mandated and implemented by the APSST and BCAST with the aid of ASEP mechanics as a basis.**
14. **Contentions and judging concerns including cheating, lying and deliberate misconduct must be brought to the attention of the committee and the implementing associations.**
15. **All mechanics will be oriented before the competition starts.**

CATEGORY	TIME	READING OF QUESTIONS	NUMBER OF QUESTIONS PER DISTRICT	POINTS	TOTAL NUMBER OF QUESTIONS
EASY	10 SECONDS	2 TIMES	5	1	VARIES
AVERAGE	15 SECONDS	2 TIMES	5	2	VARIES
DIFFICULT	60 SECONDS	2 TIMES	5	3	VARIES
CLINCHER	10 SECONDS	2 TIMES	VARIES	1	VARIES

SCIENCE SPEECH-ORATION

MECHANICS:

1. Must be currently enrolled student of either public or private elementary, high school and senior high school in the Division of Baguio City.
2. One or more participants per Grade level are allowed since it is an open competition; Elementary, Junior and Senior High School Departments are separated.
 - a. GRADES 4-6
 - b. GRADES 7-10
 - c. GRADES 11-12
3. The coverage of the SPEECH WILL BE THE GIVEN THEME OF THE SCIENCE QUEST- "Enhancing the Quality of Life through Technology Inventions, Research and Clean and Green Environment".
4. The piece of the Oration will be based on the theme of the Science Quest. The Oration piece will be given a week before the competition and will be coming from the association which is the overall in-charge of Science Quest.
5. Each participant is only given at least 5 minutes to prepare and at least 5 minutes or less to deliver the speech.
6. The speech must be in English and the other is Filipino.
7. Any participant of private or public school who will be caught cheating will be apprehended and be disqualified from the competition.
8. No drafts or reviewers of any kind can be used during the competition. No reading of the speech should be allowed during the competition. All drafts should be collected or taken away during the delivery.
9. All participants are advised to be early in the area of the competition.
10. Coach/coaches are not allowed to converse with their participants. All questions or concerns should be addressed through the committee that is in-charged or the officers of the associations of BCAST and APSST.
11. Judging and criteria mechanics will be solely regulated, mandated and implemented by the APSST and BCAST with the aid of ASEP mechanics as a basis.
12. Contentions and judging concerns including cheating, lying and deliberate misconduct must be brought to the attention of the committee and the implementing associations.
13. All mechanics will be oriented before the competition starts.

JUDGING MECHANICS:

Substance and Content	25%
Relevance to the Theme	20%
Organization on the clarity of the ideas	30%
Stage Presence	10%
Enunciation, Distinction and Gesture	15%
Total	100%

SCIENCE SPEECH- IMPROMPTU SPEAKING

MECHANICS:

1. Must be currently enrolled student of either public or private elementary, high school and senior high school in the Division of Baguio City.
2. **One or more participants per Grade level are allowed since it is an open competition; Elementary, Junior and Senior High School Departments are separated.**
 - a. GRADES 4-6
 - b. GRADES 7-10
 - c. GRADES 11-12
3. **The coverage of the SPEECH WILL BE THE GIVEN THEME OF THE SCIENCE QUEST- "Enhancing the Quality of Life through Technology Inventions, Research and Clean and Green Environment". The content will be given by the facilitator of the competition or the association in-charge.**
4. **Each participant is only given at least 15 minutes to prepare and at least 3 minutes to deliver the speech.**
5. **The speech must be in English and the other is in Filipino.**
6. Any participant of private or public school who will be caught cheating will be apprehended and be disqualified from the competition.
7. No drafts or reviewers of any kind can be used during the competition. No reading of the speech should be allowed during the competition. All drafts should be collected or taken away during the delivery.
8. All participants are advised to be early in the area of the competition.
9. Coach/coaches are not allowed to converse with their participants. All questions or concerns should be addressed through the committee that is in-charged or the officers of the associations of BCAST and APSST.
10. Judging and criteria mechanics will be solely regulated, mandated and implemented by the APSST and BCAST with the aid of ASEP mechanics as a basis.
11. Contentions and judging concerns including cheating, lying and deliberate misconduct must be brought to the attention of the committee and the implementing associations.
12. All mechanics will be oriented before the competition starts.

JUDGING MECHANICS:

Substance and Content	25%
Relevance to the Theme	20%
Organization on the clarity of the ideas	30%
Stage Presence	10%
Enunciation, Distinction and Gesture	15%
Total	100%

SCIENCE ESSAY WRITING

MECHANICS:

1. Must be currently enrolled student of either public or private elementary, high school and senior high school in the Division of Baguio City.
2. **One or more participants per Grade level are allowed since it is an open competition; Elementary, Junior and Senior High School Departments are separated.**
 - a. **GRADES 4-6**
 - b. **GRADES 7-10**
 - c. **GRADES 11-12**
3. **The coverage of the ESSAY WILL BE THE GIVEN THEME OF THE SCIENCE QUEST- "Enhancing the Quality of Life through Technology Inventions, Research and Clean and Green Environment".**
4. **Each participant is only given at least 2 hours or less to finish the essay.**
5. **The ESSAY must be in 250 words and must be in English and the other is Filipino for both Elementary and Secondary.**
Black pen must be only be used in writing.
6. **The paper will be used in the competition will be provided by the committee and the association in-charged of it.**
7. Any participant of private or public school who will be caught cheating will be apprehended and be disqualified from the competition.
8. No drafts or reviewers of any kind can be used during the competition. All drafts should be collected or taken away during the delivery.
9. All participants are advised to be early in the area of the competition.
10. Coach/coaches are not allowed to converse with their participants. All questions or concerns should be addressed through the committee that is in-charged or the officers of the associations of BCAST and APSST.
11. Judging and criteria mechanics will be solely regulated, mandated and implemented by the APSST and BCAST with the aid of ASEP mechanics as a basis.
12. Contentions and judging concerns including cheating, lying and deliberate misconduct must be brought to the attention of the committee and the implementing associations.
13. All mechanics will be oriented before the competition starts.

JUDGING MECHANICS:

Substance of the content	50%
Relevance to the Theme	25%
Organization on the quality of the ideas	25%
Total	100%

SCIENCE DOKU

MECHANICS:

1. Must be currently enrolled student of either public or private elementary, high school and senior high school in the Division of Baguio City.
2. One or more participants per Grade level are allowed since it is an open competition; Elementary, Junior and Senior High School Departments are separated.
 - a. GRADE 3
 - b. GRADES 4-6
 - c. GRADES 7-10
 - d. GRADES 11-12
2. There will be 3 rounds; Easy, Average, and Difficult.
3. For Easy Round, if the solution is correct, the time lapsed will be recorded. If the solution is incorrect, the participant will try again and the timer will continue until the participant gets the correct solution. But if half of the participants already have exact solution the remaining contestants will automatically eliminated.
4. For Average Round, if the solution is correct, the time will be recorded and multiply by two.
5. For Difficult Round, time lapsed will be multiply by 3.
6. Total lapsed time will be added, the fastest time will be the winners.
7. Any participant of private or public school who will be caught cheating will be apprehended and be disqualified from the competition.
8. No drafts or reviewers of any kind can be used during the competition. All drafts should be collected or taken away during the delivery.
9. All participants are advised to be early in the area of the competition.
10. Coach/coaches are not allowed to converse with their participants. All questions or concerns should be addressed through the committee that is in-charged or the officers of the associations of BCAST and APSST.
11. Judging and criteria mechanics will be solely regulated, mandated and implemented by the APSST and BCAST with the aid of ASEP mechanics as a basis.
12. Contentions and judging concerns including cheating, lying and deliberate misconduct must be brought to the attention of the committee and the implementing associations.
13. All mechanics will be oriented before the competition starts.

SCIENCE PHOTOJOURNALISM

MECHANICS:

1. Must be currently enrolled student of either public or private elementary, high school and senior high school in the Division of Baguio City.
2. **One or more participants per Grade level are allowed since it is an open competition; Elementary, Junior and Senior High School Departments are separated.**
3. The participant should have an experience in handling camera and photojournalism.
4. Bring your own digital camera during the actual competition.
5. No usage of professional camera.
6. Bring your own memory card.
7. Editing of photos is strictly prohibited.
8. The dimensions of the photos must be:
 - A. 4 R which is 102 cm. x 152 cm. for Elementary Division.
 - B. 6R which is 152 cm x 203 cm. for Secondary Division.
9. Each participant must submit a Title and a Description of the Photo.

JUDGING MECHANICS:

Originality	25%
Quality of the Photo/Picture	25%
Implications to the Theme	25%
Neatness, Dimension and Impact of the Picture	25%
Total	100%

SAMPLE REVIEWED FOR ENVIRONMENTAL QUIZ

- Earth Day occurs on April 22. – Earth Day Facts for Kids
- It was founded by U.S. Senator Gaylord Nelson (D-Wisconsin) as an environmental teach-in for school children. He wrote letters to all of the colleges and put a special article in Scholastic Magazine to tell them about the special day he had planned.
- Over 175 countries throughout the world celebrate Earth Day. – Earth Day Facts for Kids
- Earth Day is the largest, most celebrated environmental event worldwide. – Earth Day Facts for Kids
- The passage of the Clean Air Act, the Clean Water Act, and the Endangered Species Act are considered to be products associated with the 1970 Earth Day. – Earth Day Facts for Kids
- There is no governmental agency that is in charge of Earth Day, but many local and non-profit groups throughout the world help to organize events and activities. – Earth Day Facts for Kids
- Most schools have activities planned for Earth Day to help children realize how important it is to take care of the environment. – Earth Day Facts for Kids
- Many organizations celebrate Earth Day by picking up trash on the roadside, cleaning up vacant lots, cleaning the banks of lakes and rivers, and making sure that beaches and parks are free from litter and debris. – Earth Day Facts for Kids
- EXECUTIVE ORDER NO. 79
 - INSTITUTIONALIZING AND IMPLEMENTING REFORMS IN THE PHILIPPINE MINING SECTOR PROVIDING POLICIES AND GUIDELINES TO ENSURE ENVIRONMENTAL PROTECTION AND RESPONSIBLE MINING IN THE UTILIZATION OF MINERAL RESOURCES
- Chain Saw Act of 2002
 - Republic Act No. 9175
- Philippine Plant Variety Protection Act of 2002
 - Republic Act No. 9168
- Mt. Kanla-on Natural Park (MKNP) Act of 2001
 - Republic Act No. 9154
- Wildlife Resources Conservation and Protection Act
 - Republic Act No. 9147
- National Caves and Cave Resources Management and Protection Act
 - Republic Act No. 9072
- Ecological Solid Waste Management Act of 2000
 - Republic Act No. 9003
- Philippine Clean Air Act of 1999
 - Republic Act No. 8749
 - Implementing Rules & Regulations of the Philippine Clean Air Act of 1999
- Philippine Fisheries Code of 1998
 - Republic Act No. 8550
- Animal Welfare Act of 1998
 - Republic Act No. 8485
- Agriculture & Fisheries Modernization Act of 1997
 - Republic Act No. 8435
- The Indigenous Peoples Rights Act of 1997
 - Republic Act No. 8371
- An Act for Salt Iodization Nationwide (ASIN)
 - Republic Act No. 8172
- Coconut Preservation Act of 1995
 - Republic Act No. 8048
- The Water Crisis Act of 1995
 - Republic Act No. 8041
- Philippine Mining Act of 1995
 - Republic Act No. 7942
- Amendment to the Agrarian Reform Code
 - Republic Act No. 7907
- High-Value Crops Development Act of 1995
 - Republic Act No. 7900
- Strategic Environmental Plan for Palawan Act
 - Republic Act No. 7611
- National Integrated Protected Areas System Act of 1992
 - Republic Act No. 7586
- Seed Industry Development Act of 1992
 - Republic Act No. 7308
- Tax Laws Incorporated in the Revised Forestry Code
 - Republic Act No. 7161
- People's Small-Scale Mining Act of 1991
 - Republic Act No. 7076
- Toxic Substances & Hazardous & Nuclear Wastes Control Act of 1990
 - Republic Act No. 6969

ORATION - ELEMENTARY - ENGLISH

Science and Technology: Bold Move Towards Environmental Sustainability

We live in a time where most of the things we do can be accomplished in a blink of an eye thru the use of machineries, applications, and tools produced thru intensive research as well as in depth study. Artificial intelligence is also the main focus of the said researches.

It is safe to say that advance technology is making our life easier in a way that was never been the case in the past. It is, however, sad to know that as we move forward towards better life, we are forgetting the value and importance of the environment. We are so naïve to notice that any changes we commit towards the environment actually causes more harm. The burning of the Amazon is a prime example of what happens when we ignore and when we prioritize our economic benefit rather than co-existing with nature. We are blinded by the fact that we will receive more money. The recovery of the Amazon would take time but with perseverance we will be able to do it. Actions we do to counter environmental problems should not only be focused on the Amazon but should as well focus on the entire problems we encounter in our environment.

Simple actions we do like, planting trees, picking up trash are SIMPLE yet very meaningful in our struggle against future problems. Machineries and modern tools must be used in the solving environmental issues and the decision is ours. To find solution or to simply ignore.

ORATION: ELEMENTARY- FILIPINO

AGHAM, TEKNOLOHIYA AT KALIKASAN

Ngayong siglo ay isang natatanging panahon kung saan ang agham at teknolohiya ay nasa rurok ng sopistikadong pag-unlad at progreso. Totoo nga na ang kabuuan ng agham at teknolohiya ay nagbibigay at nagbubukas daan sa maraming paraan ng pagtuklas na hindi natin nakamit ng mga nakaraang siglo. Isa na ang Artificial Intelligence na humahalintulad sa tao at mga gawa, tunay nga na tayo ay malayo na sa nakalipas. Ang mga makabagong pagtuklas at panteknolohiyang likha ay nagbigay daan para sa mga makabagong paglinang at gawa na tiyak na makakatulong sa ating pang araw-araw na pamumuhay.

Sa ating paghahanap at patuloy na paglakad sa pang ekonomiyang pag-unlad, pinipili natin na isantabi ang kahalagahan ng kalikasan at kalimutan at ipagwalang-bahala ang mga maaring mangyari sa kawalan natin ng pagmamahal at pag-unawa sa kalikasan. Ilan dito ay Global Warming at Climate Change na ating nararanasan dahil sa ating makasariling motibo at paglapastangan sa kalikasan. Marami na ang namulat at marami na ang kumikilos pero nanatili tayong tuod sa pakiusap ng ating inang kalikasan. Hindi nating ginagawa ang mga salitang namumutawi sa ating mga bibig kung hindi tayo ang umuusig sa ating mga sariling gawa hinggil sa kalikasan.

Siguraduhin natin na ang likas-kaya ay mapapanatili higit sa mga agham o anumang teknolohiya gawa ng tao. Tayo ay sumunod sa mga batas at tungkulin na sa atin ay iniatang ng buong Maykapal sa pag-papalago, pagpapaunlad, pagpapahalaga at pagpapanatili ng ating kalakasan. Payak na kakayahan at gawa gaya ng pagtanim ng mga puno, pagtatapon ng mga basura sa tamang lagayan, pagiimbak ng tubig o pagprepreserba ng natatanging yaman ng ating kalikasan ay may malaking pakinabang hindi lamang ngayon kung hindi sa darating na mga panahon. Gawing nating instrumento ang ating mga likha upang makamit ang panghabam-buhay na kaligtasan at pagpapatuloy ng henerasyon tungo sa luntian at malinis na kapaligiran.

OPINION - SECONDARY - FILIPINO

AGHAM, TEKNOLOHIYA AT KALIKASAN

Ngayong siglo ay isang natatanging panahon kung saan ang agham at teknolohiya ay nasa rurok ng sopistikadong pag-unlad at progreso. Totoo nga na ang kabuuan ng agham at teknolohiya ay nagbibigay at nagbubukas daan sa maraming paraan ng pagtuklas na hindi natin nakamit ng mga nakaraang siglo. Malalakas at makabagong makinarya at paglikha gaya ng gamit ng Ahensiya ng Pangkalawakan o NASA na may kakayahan na maghagilap ng iba't-ibang makabagong pagsisiyasat o Research na nagbukas ng bagong mithi ng kapakinabangan sa pagtuklas. Ang mga makabagong pagtuklas at panteknolohiyang likha ay nagbigay daan para sa mga makabagong paglinang at gawa na tiyak na makakatulong sa ating pang araw-araw na pamumuhay.

Makabagong gawa o Inobasyon ay tiyak na nakakatulong sa ating pamumuhay ngunit hanggang saan nga ba kaya nitong ibigay ang ating mga pangangailangan? Bagamat ang mga gawang ito ay malaking dagdag kaalaman at pakinabang, may mga seryosong kaakibat na problema ang maaaring dala nito. Mas mataas na pag-unlad ay mataas din ang kaakibat na panganib sa atin. Tiyak nga ang isa ay kaugnay ng isa, wala ang isa kung hindi dahil sa isa. Ayon sa ulat ni Miller noong taong 2008 et al, sinasabi niya ang tao ay isang pinakamalaking panganib sa pagpapanitili ng likas-kaya ng mundo. Sa ating paghahanap at patuloy na paglakad sa pang ekonomiyang pag-unlad, pinipili natin na isantabi ang kahalagahan ng kalikasan at kalimutan at ipagwalang-bahala ang mga maaring mangyari sa kawalan natin ng pagmamahal at pag-unawa sa kalikasan. Ilan dito ay Global Warming at Climate Change na ating nararanasan dahil sa ating makasariling motibo at paglapastangan sa kalikasan. Marami na ang namulat at marami na ang kumikilos pero nanatili tayong tuod sa pakiusap ng ating inang kalikasan. Hindi nating ginagawa ang mga salitang namumutawi sa ating mga bibig kung hindi tayo ang umuusig sa ating mga sariling gawa hinggil sa kalikasan.

Sa kabilang dako, iilang mga indidwal at personalidad ang nanawagan at tumalima sa tawag ng ilan bilang patunay na buhay pa rin ang malasakit sa kalikasan para sa susunod na mga henerasyon at binhi ng makabagong pagkatao. Hindi lamang dapat tayo nakatuon sa mga makabago at makateknolohiyang pagtuklas at likha kung hindi rin sa ating pangangalaga at pag-unlad ng kalikasan. Madami tayo kailangang isa alang-alang para tunay nating makamit at matamasa ang pag-unlad. Kailangan nating magtulungan at magbayanihan, hindi lamang ang pansariling interes at hangad ang iniisip kung hindi mga paraan kung paano tayo mamumuhay na nagsisilbi sa kalikasan sa pamamagitan ng ating mga gawa, agham man o panteknolohiya; industriya o ekonomiko at likha man o pagtuklas.

Siguraduhin natin na ang likas-kaya ay mapapanatili higit sa mga agham o anumang teknolohiya gawa ng tao. Tayo ay sumunod sa mga batas at tungkulin na sa atin ay iniatang ng buong Maykapal sa pag-papalago, pagpapaunlad, pagpapahalaga at pagpapanatili ng ating kalakasan. Gawing instrumento ang ating mga likha upang makamit ang panghabam-buhay na kaligtasan at pagpapatuloy ng henerasyon tungo sa luntian at malinis na kapaligiran.

SCIENCE MODERN TECH

MECHANICS:

1. Must be currently enrolled student of either public or private elementary, high school and senior high school in the Division of Baguio City.
2. The group has at least 15-20 members
3. Costume/attire must be with science implications.
4. All participants are advised to be early in the area of the competition.
5. Coach/coaches are not allowed to converse with their participants. All questions or concerns should be addressed through the committee that is in-charged or the officers of the associations of BCAST and APSST.
6. Judging and criteria mechanics will be solely regulated, mandated and implemented by the APSST and BCAST with the aid of ASEP mechanics as a basis.
7. Contentions and judging concerns including cheating, lying and deliberate misconduct must be brought to the attention of the committee and the implementing associations.
8. All mechanics will be oriented before the competition starts.

JUDGING MECHANICS

Mastery	25%
Coordination and Projection	25%
Costume/attire with science implications	25%
Stage Presence, harmony and difficulty of execution	25%
Total	100%

CREATIVE SCI-MODELING

MECHANICS:

1. Must be currently enrolled student of either public or private elementary, high school and senior high school in the Division of Baguio City.
2. The group has at least 12-15 members
3. Costume/attire must be with science implications.
4. All participants are advised to be early in the area of the competition.
5. Coach/coaches are not allowed to converse with their participants. All questions or concerns should be addressed through the committee that is in-charged or the officers of the associations of BCAST and APSST.
6. Judging and criteria mechanics will be solely regulated, mandated and implemented by the APSST and BCAST with the aid of ASEP mechanics as a basis.
7. Contentions and judging concerns including cheating, lying and deliberate misconduct must be brought to the attention of the committee and the implementing associations.
8. All mechanics will be oriented before the competition starts.

JUDGING MECHANICS

Personality	25%
Coordination and Projection	25%
Costume/attire with science implications	25%
Attire and audience impact with harmony	25%
Total	100%