To: Michelle Guademor
For appropriate action. 9/9/22

DEPARTMENT OF EDUCATION
RECORDS SECTION, REGIONAL OFFICE NO. V
RELEASED
012131
By: Date:

Republic of the Philippines
Department of Education
REGION V - BICOL

ADVISORY
HONGKONG INTERNATIONAL SCIENCE OLYMPIAD
September 7, 2022

To: SCHOOLS DIVISION SUPERINTENDENTS

The Math Olympiads Training League (MOTLI) invites science enthusiasts to participate in the upcoming competition dubbed as Hongkong International Science Olympiad (HKISO) Heat Round 2022 –Philippine Region on the schedules indicated below.

Activity	Target Participants	Date of Activity	Heat/Final Rounds Venue
Written Exam	Grade 2 to Grade 12	November 27, 2022 (Heat Round) June 10, 2023 (Final Round)	Online/Singapore
Mini Experiment	Grade 2 to Grade 12	Deadline of Submission: April 1, 2023	YouTube Channel

The HKISO aims to:

- stimulate and foster young learners' interest in learning science;
- strengthen the creative thinking ability;
- widen international perspective and promote the development of primary and secondary education and exchange of educational cultures throughout countries.

There will be two activities for HKISO Heat Round- the written exam which is a one-hour 20-item right minus wrong multiple choice exam and the mini experiment – a 5 minute video of the students choice of mini experiment uploaded in his YouTube Channel.

To prepare the student-participants, MOTLI offers Virtual Topic-Appropriate Science Program Simulation (VTASPS) which is a 5-day online student-centered training and enhancement program to all registered participants. Attendance to this program is voluntary and shall not be a requirement to join the HKISO-Heat.

For more details, please visit:

Facebook Page: Math Olympiads Training

Details on mini-experiment: https://www.hongkongisa.org/mini-experiment.html

GILBERT T. SADSAD
Regional Director

SCHOOLS DIVISION OF SORSOGON
Sorsogon

September 13, 2022

To: Public Schools District Supervisors
School Heads of STE & STEM-Implementing Schools
Elementary and Secondary School Heads
Science Teachers

Participation of all schools in this competition is encouraged. Please refer to the attached communication.

For information and dissemination.

JOSE L. DONCILLO, CESO V
Schools Division Superintendent

DepEd V Bicol Region <region5@deped.gov.ph>

Hong Kong International Science Olympiad (HKISO) 2022 - 2023 HEAT ROUND - INVITATION (REGION)

motliphilippines.csr@gmail.com <motliphilippines.csr@gmail.com> Mon, Sep 5, 2022 at 12:17 PM
To: region5@deped.gov.ph

Dear Sir/Madam,

Greetings!

Math Olympiad's Training League Inc., MOTLI, would like to invite your region to join the **Hong Kong International Science Olympiad (HKISO) 2022 - 2023 Heat Round Philippines**. HKISO has a world-class faculty that sets a global standard for academic excellence. With the largest number of international students among Asia, and the largest number of students studying abroad, HKISO is among the most respected and desirable competitions in the world. The objective of this competition is to develop Science Olympiads all over the world. With more than 25 participating countries, HKISO is one of the most sophisticated competitions. Furthermore, we humbly request your good office to disseminate this information to allow young scientists the international break they deserve. For more details, please see the attached invitation letter. Thank you.

God Bless and Stay safe.

Respectfully,

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Math Olympiad's Training League Inc. (MOTLI) | ADMIN

Address: MOTLI | 9200, Iligan City, Philippines
Email: motliphilippines.csr@gmail.com | **Website:** www.motliph.com
Mobile Numbers:
- **Secretariat** (0966) 873 9643
- **Ms. Jene** (0968) 883 0399
- **Ms. K** (0970) 583 5949

2 attachments

HKISO-2022-HEAT-LETTER-TO-REGION V.pdf
626K

HKISO-SYLLABUS.pdf
117K

MATH OLYMPIAD'S TRAINING LEAGUE INC.

September 4, 2022

DR. GILBERT T. SADSAD
Regional Director
REGION V

Dear Sir,

Greetings of Peace!

The Math Olympiads Training League Incorporated (MOTLI) would like to invite your region to participate in our upcoming competition - Hong Kong International Science Olympiad (HKISO) Heat Round 2022 - Philippine Region on the schedules indicated below.

ACTIVITY	TARGET PARTICIPANTS	DATE OF ACTIVITY	HEAT/FINAL ROUNDS VENUE
WRITTEN EXAM	GRADE 2 TO GRADE 12	NOVEMBER 27, 2022 (HEAT ROUND) JUNE 10, 2023 (FINAL ROUND)	ONLINE/ SINGAPORE
MINI EXPERIMENT	GRADE 2 TO GRADE 12	DEADLINE OF SUBMISSION: APRIL 1, 2023	YOUTUBE CHANNEL

HKISO aims to:

- stimulate and foster young learners' interest in learning science;
- strengthen the ability of their creative thinking;
- widen their international perspective, and promote the development of primary and secondary education and exchange of educational cultures throughout countries.

There will be two activities for HKISO Heat Round namely the written exam - a one-hour 20- item right minus wrong multiple-choice exam and the mini experiment - a 5-minute video of the student's choice of mini experiment uploaded in his YouTube Channel. For full details of mini-experiment, refer to the link below.

MATH OLYMPIAD'S TRAINING LEAGUE INC.

https://www.hongkongiso.org/mini-experiment.html

To prepare the student-participants, MOTLI offers Virtual Topic-Appropriate Science Program and Simulation (VTASPS V.3.0) - a 5-day online/virtual student-centered training and enhancement program open to all registered participants. Attendance to the said program is voluntary in nature and shall not be a requirement to join HKISO-Heat.

As partners of learning, MOTLI gives due recognition to schools and coaches based fromthe performances of their students.

We request your good office to help us in the dissemination of this information so that the Philippines can be represented by the best and finest Filipino science enthusiasts in this international correspondence contest.

Medalists in the heat round will then be eligible to join the final round.

For full details, see the next pages.

For registration procedure, information and inquiries, please contact:

MOTLI Secretariat

Email: _____

Facebook Page: Math Olympiads Training

LeagueWebsite: _____

Thank you very much and more power!

Respectfully yours,

ENGR. KAREN SY
President
MOTLI

MATH OLYMPIADS TRAINING LEAGUE INC. (MOTLI)

PRIZES AND REWARDS

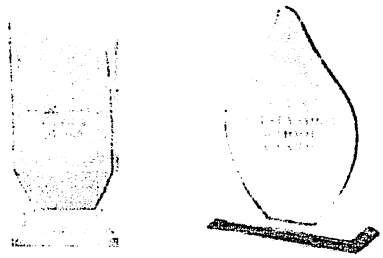
A. Students

Students shall be recognized in the following categories

AWARDS RECEIVED PER STUDENT	POINTS
GOLD	MEDAL AND CERTIFCATE
SILVER	MEDAL AND CERTIFCATE
BRONZE	MEDAL AND CERTIFCATE
MERIT	CERTIFICATE
PARTICIPATION	CERTIFICATE

Additional recognition for top-performing students shall be given trophies based on theglobal rankings per grade level.

- Champion Trophy: the top scorer
- First and Second Runners Up Trophy: the 2nd top scorer and 3rd top scorerrespectively.
- Perfect Scorer Trophy: perfect score
- Trophy to mini-experiment winners.



B. School/Coach

- Most Outstanding School Award

Must produce (5) students with Gold awards

- Most Performing School Award

Able to encourage at least 20 students with ranging awards received from Gold toMerit Awards.

- Most Outstanding Teacher-Coach Award

A teacher-coach employed in a school institution that train students in at most 3 different year levels and accumulates 20 points based from the awards received byhis/her students per competition.

POINT SYSTEM FOR OUTSTANDING TEACHER-COACH	
AWARDS RECEIVED PER STUDENT	POINTS
GOLD	5
SILVER	4
BRONZE	3
MERIT	2
PARTICIPATION	1

Hong Kong International Science Olympiad Syllabus

Primary Group

Topics	Learning Objectives	Primary 2 - 3	Primary 4 - 6
Integrated Science	Scientific Investigation	➢ To show curiosity and interest in exploring the environment ➢ To observe phenomena in daily life ➢ To make simple measurements and grouping ➢ To record observations and make simple presentations ➢ To conduct simple scientific investigations	➢ To show curiosity and sustained interest in exploring science and technology ➢ To make observations, conduct measurements, record data and present findings ➢ To discuss observations and suggest simple interpretations ➢ To classify things according to common properties or features ➢ To design and conduct simple scientific investigations
Biology	Life and Living	➢ To show love and care to living things and the environment ➢ To recognise the observable characteristics and needs of living things ➢ To recognise the different stages of growth and development in living things ➢ To recognise some body parts and their functions ➢ To develop healthy living habits ➢ To be aware of the interaction between living things and the environment ➢ To appreciate the existence of a variety of living things	➢ To respect and care for all living things and show concern for endangered species ➢ To recognise functions of major organs and systems of the body ➢ To be aware of the physical and emotional changes during puberty ➢ To show basic understanding of the life cycle of some living things ➢ To recognise ways of keeping our body healthy ➢ To recognise the interdependence of living things and their environment ➢ To appreciate the existence of a variety of living things in this world
Physics	The Material World	➢ To identify some common materials and their uses in daily life ➢ To identify the characteristics and changes of common materials using senses ➢ To design and make artifacts with common materials ➢ To show concern for the environment and be committed to environmental friendly practices in daily life	➢ To explore some physical properties of common materials in relation to their suitability for different purposes ➢ To recognise the use of some materials and their impacts on human and the environment ➢ To design and build models by using different materials ➢ To distinguish between reversible changes and those that cannot be easily reversed ➢ To make wise use of natural resources and develop a lifestyle that promotes sustainable development

Chemistry	Energy and Change	➢ To recognise sources of energy and know their uses in daily life ➢ To recognise heat transfer and some related phenomena ➢ To understand the need for saving energy ➢ To describe energy use at home and in school	➢ To recognise some patterns or phenomena related to light, sound, electricity and object movement ➢ To recognise different forms of energy involved in energy change ➢ To use energy wisely and save energy in daily life ➢ To recognise the safety measures in using energy of different forms in daily life
Physics	The Earth and Beyond	➢ To recognise and describe the basic patterns and objects in the sky ➢ To identify some features of weather changes ➢ To identify the features of day and night and how they are related to people's life patterns	➢ To recognise the Earth as a wealth of resources to fulfill our needs ➢ To identify and describe climate and seasonal changes and their effects on our life ➢ To illustrate some natural phenomena observable on the Earth caused by the movement of the Sun, the Earth and the Moon ➢ To appreciate the wonder of the Universe and the contributions of space exploration to everyday life
Integrated Science	Science, Technology, Society and Environment	➢ To be aware that science and technology are closely connected to activities in our daily life ➢ To show concern about the safety issues in relation to the use of science and technology ➢ To develop a caring attitude towards living things and the environment ➢ To recognise the proper ways of treating living things and the environment	➢ To recognise the applications and effects of scientific and technological advances in daily life ➢ To appreciate some important people who have contributed to scientific and technological advancements of this world ➢ To show concern for the environment and climate changes, and recognise the importance of environmental conservation ➢ To recognise that the study of science and technology can both increase our understanding of the world and improve the quality of our life ➢ To identify the issues related to personal health and safety, and take appropriate actions to safeguard these in daily life

Secondary Group

Topics	Learning Objectives	Secondary 1 - 2	Secondary 3 - Senior Secondary Group
Integrated Science	Scientific Investigation	➢ To identify problems for scientific investigations ➢ To identify variables for fair tests ➢ To plan, design and conduct scientific investigations ➢ To handle apparatus appropriately with necessary precautions ➢ To make detailed observations and record data ➢ To make use of multiple representations to present findings from scientific investigations ➢ To analyse data, draw conclusions and evaluate the investigation process	➢ To plan, design and conduct scientific investigations with multiple variables to control ➢ To conduct risk assessment in planning and designing investigations ➢ To make detailed observations and precise measurements by using appropriate equipment and instruments ➢ To analyse and interpret the data obtained, and draw conclusions for the investigations ➢ To evaluate the validity and reliability of the investigations and make suggestions for further improvement ➢ To write a full report for the scientific investigation
Biology	Life and Living	➢ To develop interest in studying living things, and show respect to all living things and the environment ➢ To appreciate the diversity of life and to understand the basic principles of classification systems ➢ To recognise that a cell is the basic unit of life ➢ To develop basic understanding of some of the life processes ➢ To recognise the processes related to reproduction and understand how a new life is born ➢ To recognise DNA as the genetic materials and the Book of Life ➢ To understand the importance and ways of maintaining body health ➢ To be aware of the impact of human activities on the environment and biodiversity	➢ To develop and maintain an interest in biology, and a respect of all living things and the environment ➢ To develop an understanding of evolution and the diversity of life ➢ To recognise the level of organisation of living organisms ➢ To develop an understanding of the essential life processes ➢ To understand the basic principles of genetics and biotechnology ➢ To be aware of the current advances of biotechnology and the potential impact on society ➢ To develop a commitment to promote personal and community health ➢ To develop an understanding of the interdependence of living things and their environment, and the impact of human activities on the environment and biodiversity
Physics	The Material World	➢ To recognise the physical and chemical properties of different materials ➢ To recognise the uses of different materials in relation to their structures and properties	➢ To understand the relationship between the uses of materials and their structures and properties ➢ To understand the interaction between different types of matter, and the relationship between matter and energy

		➢ To understand the need to conserve natural resources ➢ To recognise some chemical changes and the materials involved	➢ To investigate the processing of raw materials and the production of new materials ➢ To evaluate the use of materials from social, economic, environmental and technological perspectives
Chemistry	Energy and Change	➢ To compare the energy options available for particular uses in society ➢ To identify the processes of energy change and the conditions that may affect them ➢ To identify the forms and transformation of energy in a series of interactions ➢ To relate the observed changes in an energy receiver to the quantity of energy transferred ➢ To recognise the environmental effects due to energy production and consumption ➢ To recognise the need to conserve energy and act responsibly in daily life	➢ To describe systems that can transfer energy efficiently ➢ To explain the principles of energy input and output in different devices ➢ To apply ideas of conservation of energy and energy efficiency in relation to science and simple engineering applications ➢ To understand the environmental and economic effects of using different sources of energy ➢ To propose measures that can help to generate renewable energy and improve the efficiency of energy devices
Physics	The Earth and Beyond	➢ To recognise the useful sources of minerals and other natural resources available on the Earth ➢ To understand the meanings and relationship of distance, speed and time in describing motion ➢ To describe the effects of force on the motion of an object on the Earth	➢ To explain some phenomena related to astronomy and space science ➢ To explain natural changes in the environment, such as seasonal and weather changes, climate changes, geological changes and natural disasters ➢ To describe the impact of human activities on the environment, such as exploitation of natural resources and environmental pollution, and suggest measures for conservation
Integrated Science	Science, Technology, Society and Environment	➢ To show basic understanding of the development of science and technology and its contribution to our life ➢ To recognise the effects of human activities on the environment, climate and natural resources on the Earth ➢ To act responsibly in conserving the environment for sustainable development ➢ To recognise the usefulness and limitations of	➢ To master the skills in evaluating social, ethical, economic, environmental and technological implications of science and technology for sustainable development of the world ➢ To make informed judgements and decisions based on scientific evidence ➢ To understand the relation between the nature of science and the development of the society ➢ To make appropriate use of scientific knowledge and act responsibly as a local and global citizenTo identify the issues

		science and technology	related to personal health and safety, and take appropriate actions to safeguard these in daily life