

**Report & Highlights from November Entries of “Element of the Month(Nov-2018) for****\*IYPT-2019(HK) {The 2<sup>nd</sup> month} →&& ...< Notes about Coming “December-Entry of EOTM\*” >**

\* IYPT-2019 = “International Year of Periodic Table ( 國際週期表年 )

◆ EOTM = “Element of the Month”.

**YOU ARE INVITED !**

The "**International Year of the Periodic Table of Chemical Elements (IYPT2019)**" has been proclaimed by the United Nations General Assembly and UNESCO in 2017 as it is being considered as “A Common Language for Science” since its discovery by Dimitry Mendeleev in 1869. 2019 happens to be the 150<sup>th</sup> anniversary of the Periodic Table and deserves a year of celebration. It is one of the most significant achievements in science, capturing the essence not only of chemistry, but also of physics and biology. (from [www.iypt2019.org](http://www.iypt2019.org))

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**Report on “Element of the Month (Nov-2018)” for IYPT-2019(HK) Competition**... details of the competition could be found at [www.hkasme.org](http://www.hkasme.org) >Chem> EOTM [ “Element of the Month” ]

This is the second monthly entry of the EOTM-IYPT-2019(HK) competition. As predicted, the number of entries and schools have increased by 50%. And, with more experience, the overall standard of presentation in this batch is higher than the Oct-entries and hence, more awards have been designated to reflect this situation. All Nov-2018 entries of the competition have been finalized and the results are presented in the table below. For overall comments and highlights in this Nov-entries, please check the section after the results table. All other participants will receive a certificate of participation with a souvenir card [sample at end]. All data will be compiled after April-2019 and be presented in a historical report to the International IYPT-2019, which will also be published in the 2019 Science Teachers’ Journal. { Regulations of this competition could be found at [www.hkasme.org](http://www.hkasme.org) }

**Results of “Element of the Month (Nov) for IYPT-2019(HK)” .....**

Award	Student (Level)	School	Element presented
<b>Best</b> presentation	<b>Suen Hoi Ying Amanda (F4)</b>	Maryknoll Convent School (Sec. Section)	Council of the 118 Elements: Rainbow Element -- <b>Iridium (Ir)</b>
Outstanding award	Tang Ka Man Katrina (F5)	St. Rose of Lima's College	Letter from Neon
Outstanding award	Yuen Lok Yiu Vera (F4)	St. Paul's Convent School	Tellurium – rarest element on Earth which can cause garlic smell

Merit 1 <sup>(#)</sup> award	Chow Wai Lam (F5)	True Light Girls' College	Helium – weak sense of existence but extremely important
Merit 1 award	Lei Pui Yu Vienna (F5)	True Light Girls' College	Hydrogen – the first element of the Periodic Table
Merit 1 award	Choy Huen Wai Chloe (F5)	Diocesan Girls' School	A “Pee”k into History: Evolution of P
Merit 1 award	Ho Sum Yin (F5)	Diocesan Girls' School	Copper: A Journey through the Years
Merit 1 award	Ye Hui Yi (F4)	YCH Lan Chi Pat Memorial Secondary School	熔於手 又熔於口的神奇元素.....鎳 (Gallium [Ga])
Merit 1 award	Lo Jacqueline Hiu Ming (F5)	St. Rose of Lima's College	Gold
Merit 1 award	Sit Wing Yee, Shelly (F5)	St. Rose of Lima's College	Helium
Merit 1 award	So Yee Lam (F4)	CCC Heep Woh College	Tellurium – an extraordinary semi-metal
Merit 1 award	Ng Yuk Yue Cythia (F4)	Maryknoll Convent School (Sec. Section)	Behind the shiny appearance
Merit 1 award	Yue Ka Lee Carey (F4)	St. Paul's Convent School	Meeting the element: Strontium
Merit 1 award	Law Hei Ellie (F4)	St. Paul's Convent School	Element wanted: Aluminium
Merit 1 award	Ho Ting Hei Natalie (F4)	St. Paul's Convent School	The mystery of Helium
Merit 2 <sup>(#)</sup> award	Chen Cheuk Ying (F5)	True Light Girls' College	Iodine: I – it is not me.
Merit 2 award	Lam Ka Hei (F4)	Maryknoll Convent School (Sec. Section)	Crucial Curium
Merit 2 award	Ng Cheuk Yan Gloria (F4)	Maryknoll Convent School (Sec. Section)	Are you mind? Bromine
Merit 2 award	Tang Cho Yee Choco (F5)	St. Rose of Lima's College	Mercury!
Merit 2 award	Wan Chor Ting Rachel (F4)	St. Paul's Convent School	Sodium since 1807

<sup>(#)</sup> Due to the high standard in the overall presentations, with the support of the sponsorship, the number of merit awards have been raised with 2 levels – “Merit 1” will have a higher honour than “Merit 2”.

**Congratulations to all award winners and thanks all teachers and students in supporting the event. The “Element of November for IYPT-2019(HK)” would thus be iridium.**

As the activity is to encourage all teachers and students to participate in this meaningful and

historical global celebration, all other participants will also have “Certificates of Participation” and their names will appear in the Final overall Report of IYPT-2019(HK) in the Association Journal (to be published in Aug-2019). The situation will be similar to the grand global celebration in IYC-2011 (IYC = International Year of Chemistry) in Hong Kong and around the World (<https://cen.acs.org/collections/iyc2011.html>).

The HKASME organizes this “Element of the Month for IYPT-2019(HK)” competition for Secondary School students for 7 months (from Oct-2018 to Apr-2019) is to catalyze and celebrate the IYPT-2019 in Hong Kong. We hope all participants could continue their sharing and have their zeal for scientific exploration continue to grow strong. **Due date for the Dec-entry is 5/12/2018.** Encourage your students to take part in this remarkable and historical global scene.

**Moreover,** you and your students are encouraged to discover everything about IYPT2019 via the official website ([www.iypt2019.org](http://www.iypt2019.org)) and join the celebrations! **You are also reminded that you could** initiate activities in your class, school or even community to enrich and enhance your students’ learning horizon from local to global context. For examples, please check the following channels. Such events could also fit in to your School’s STEM plans with interdisciplinary ideas.

[facebook.com/IYPT2019](https://www.facebook.com/IYPT2019) ; [twitter.com/IYPT2019](https://twitter.com/IYPT2019) ; [instagram.com/IYPT2019](https://www.instagram.com/IYPT2019)

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**Highlights from November-Entries of EOTM (Nov-2018) for IYPT-2019(HK) .....**

**As the activity will continue for months up to Apr-2019, teachers and students may like to gain different ideas from the November participants. Below are some highlights from the November-entries.**

(A) General performance and some screening issues

Most students could highlight some features of their chosen element, yet some students could only just give a list of properties without checking the major themes of the IYPT-2019 proclamation – *“mainly about the systematic science studies and contributions to development of the human race”*.

As this is the second entry of the competition, some students had already learnt how to present the most outstanding features in order to have “most items” be included in such a refined space. As indicated in the last month’s comments, the screening is NOT JUST based on the article presented; that also involves the **reason(s)** behind your chosen element for the month. To our surprise, some had given quite good reasons in the submission form; yet they had NOT included such in their article.

Further, the “**title**” and **different presentation styles or formats** (*e.g. colour, background, choice of words, ...*) may also impose impact on the presentation. Some had quite brilliant ideas in such areas which allow the screening of awards easier – though sometimes due to just one or two minor but important features. This shows that “*creativity*” and “*communication skills*” slip in this exercise!

Lastly, we would like to draw teachers’ attention that ONLY fax the submission form to us does NOT imply that you have participated the competition. You must email your students’ articles for the competition. And, there is NO NEED to ask for permission from the HKASME to participate in this competition. That is, the final data you need to give us is the emailed students’ articles.

For students, special attention should be paid to the “hints” given in the regulation of the competition. Easily missed items are: (1) the “**reason(s) for choosing the element**” [**to be completed on the “submission form”**] and (2) **title of your presentation**. They are important items as the design or drafting of the article could be linked to such focal points and the way of presentation may be affected with different titles -- e.g. Some use a letter format, a story, special pattern behind the background. Free-hand drawing or writing is alright, but you must make sure that your handwriting are legible. Similarly, the choice of colour for the items and the background should be of enough contrast for easier visualization.

(B) Some statistics from the Nov-entries – this will be cumulated and be presented in an overall report in our Teachers’ Journal in 2019.

(B-1) Participants’ study level – F.3 and below (15%), F.4 (47%), F.5 (36%), F.6 (2%)  
*{Overall participants – 50% increase from October.}*

Again, this competition has no limit to the level of participants as we believe that all F.1 to F.6 students could have the chance of presenting their ideas and they could learn on a needed base once they grasp the principle of the periodic system. You may notice that, compared with the Oct-entries, there is a significant % of increase in the lower forms. All we need is the appreciation of the beauty of the Periodic Table as a useful tool for scientific studies and how that could utilize elements to raise our standard of living in the material and spiritual world.

(B-2) Entries without “Title” = 45% .... Still quite a difficult issue for students and teachers?

(B-3) Entries without reason = 17% .... Still quite a portion used “I like it” without illustrating why you like it and / or that should be the feature of the Month! Actually, some is just a step behind the line of a more better presentation for this EOTM, irrespective of whether they could win the award or not. Being a participant in a 150<sup>th</sup> anniversary event is already a special chance for our students to put a remark in his/her life.

(B-4) Language presentation: 17% in Chinese .... This does not mean that Chinese presentation would be subordinate to those English. Yet, we must admit that most elements were first discovered in the Western World and that include the link to the naming and or study origin with language of that branch (e.g. Latin, Greek, ...). This not just expand our students' horizon of study, but also allows them to explore more under such culture in the long history of the 150 years of the Periodic System.

(B-5) Chosen Elements:

Group	I	II	III	IV	V	VI	VII	VIII	T.M.
%	11	13	5	9	2	6	5	16	33

There is no most popular element chosen in the Nov-entries.

Again, this statistics is just for reference. There is no indication of any preference or encouraging different focus in choice of element for the competition. The choice should be based on reasonable parameters that the students would figure out from their own research. Afterall, the screening depends on good and meaningful presentation as explained in section (A) above. We hope that students could exercise their 21<sup>st</sup> Century Skills: creativity, communication and critical thinking in drafting their presentation.

(B-6) Presentation style:

Similar to the Oct-entries, many students have used both graphics and text in presenting their ideas. One additional feature found in this Nov-entries is that students use a multi-leveled perspective of presentation – not just about the use of “words”, but also have a multiple directive in that word – e.g. using different coloured letters and / or different style.

Again, this does not mean that only text writing (or even free drawing and hand-writing) could not gain an award. In this Nov-entry, there are still some articles that really contain just text presentation -- but, of course, with added flavor in their choice of words. Anyway, there is no limitation to the format. The outcome is just limited by our imagination – both creative and critical thinking side.

**(C) Further note about the forth coming entries (EACH month from Dec-2018 to Apr-2019)**

(C-1) There will be different deadline for different months. There may be some minor changes for each month but the basic framework will not change – check the aims of the original IYPT-2019 proclamation. Hence, the regulations and submission form will be different for different month. The “December-2018” related documents will be posted online for use at [www.hkasme.org](http://www.hkasme.org). The deadline for December is 5/12/2018.

(C-2) Please direct all entries and information, including the “submission form”, “students’ articles”,

etc. to the email box : [iypt2019@hkasme.org](mailto:iypt2019@hkasme.org)

(C-3) If you submit your entries after the deadline (e.g. 5/12 for December Entry), your entry will be transferred to the next month (if available). Please keep note of the due date for each month's entry.

(C-4) As December is the Month of Seasonal Greeting – especially the Xmas. Would your



students have their choices related to this special time of the Year?

*Awaiting your further brilliant ideas for the Dec-entries for the EOTM-IYPT-2019(HK)!*

**Celebrating 2019: "International Year of Periodic Table"**

150<sup>th</sup> Anniversary of the table's creation by Dmitry Mendeleev (1789)  
 Promoting sustainable development & provides solutions to global challenges in energy, education, agriculture & health.

**Hong Kong Association for Science and Mathematics Education**  
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IYPT-2019 : International Year of Periodic Table

