

# HKASME FEB--2024 MAIL PACK

< A charitable institution since 15 May 2010 under the Section 88 of the IR Ordinance. >

< Serving ALL teachers since 1964 ... >



## The 60<sup>th</sup> Anniversary

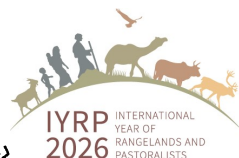


>>\* (since 1964)... This is the second issue in **2024** – the Association 60<sup>th</sup> Anniversary (\* the “60<sup>th</sup>”

Corner” will continue from 2023)..... → ... whether you are New or Old members – think what you would contribute to the celebration 😊😊😊

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> Intn'l Year of 2024 (IYC) => Camelids :: >>



>>[\*]\* What is camelids? ... Why IYC? .....

The United Nations has declared 2024 the International Year Of Camelids (IYC). The decision has been taken to highlight the significant importance of camelids in the lives of people across 90 countries of the globe.



> Check for more at [https://www.iyrp.info/international-year-](https://www.iyrp.info/international-year-camelids-iy-2024)

[camelids-iy-2024](https://www.iyrp.info/international-year-camelids-iy-2024) ... !!! You could explore and get prepare for your OWN students in 2024 from such activities! >>....

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◆ (S-P1) Primary STEAM Project Competition 2023-24 (常識百搭) – similar events and processes for 8-May,2024. The first stage of screening processed in Dec-2023 (completed)!

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◆ Biology News – (B-1) The first Biology Mock Exam for DSE-2024 (B-2) The HKBLA (Biology Literacy Award) – 1<sup>st</sup> Round completed and 2<sup>nd</sup> Round competition on 17/2/2024 at HKU. P.14

◆ Physics News – (P-1); (P-2) 2024 趣味科學比賽 - 《風馳電掣》 P.15-16

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◆ -- Millions of plastic disposables... -- **Any**

**replaceables!?** HK will have 1<sup>st</sup> phase Ban on such starting

22/4/2024! ...

>> ..... Check relevant details and prepare your students for the forth coming future!

➤ *Living in a pandemic means we have had to accept changes to many aspects of our daily routines*

AND ISSUES of COVID19 still lingering... – including learning & teaching!



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## Council News

◆ ☺☺☺ ☺ **2024: the Association 60<sup>th</sup> year (2) ...** ☺☺☺☺

This is the second month of 2024 – the Association's 60<sup>th</sup> Year. One incidence that just happened in the past Dec & Jan – is the 3 main science subjects' DSE Mock Exam administered at the same time. All test-centred sessions were fully booked at a very early time. Hence, those late comers need to handle their own schools' tests.

Other than the Mock Exams, many routine activities have resumed. Yet, whether all could be organized depend on many factors – one of which is the difficulty in finding suitable venues for such activities. Anyway, we will try our best to make that happen. And, we must thanks many helpers in assisting the organization of all events.

One common issue for the year is that many teachers had missed the application of some routine activities. We regret that there would not be any later-applications as places are already tight initially. So, we could just remind teachers that are keen for certain activities (e.g. the Mock Exams) must check our WWW and be prompt at registering for the required places online – “FIRST COME FIRST SERVE” !!! As most of our application will be handled via online format, please check details online frequently!

The **60<sup>th</sup> Anniversary (1964 to 2024) Corner** will continue throughout the year. We also welcome your sharings about the 60<sup>th</sup> anniversary.

Again, we would like to thank our dedicated colleagues in helping and supporting different activities in the hard times and we hope the 60<sup>th</sup> Anniversary could come with something special in the days to come.

Afterall, just to remind teachers about the ordering of references and tools from the Office. We must alert all teachers that delivery time for many orders will be much longer than before due to the global viral impact on logistics. Hence, if you want to place orders for certain materials, please be patient.

For latest updates (including cancellation) of the SME activities, the usual channel is our web: [www.hkasme.org](http://www.hkasme.org) or phone the Office (23330096, 23337602) – we still open as usual.



Wishing you all a successful Year of Dragon

The Council

Feb 2024

< *The Office will stay operation EXCEPT for serious incidence!* >

\* Thanks for all donations in the past 59 years that support the Association to this day.

Donations are welcome, either for specific event or for general support. The HKASME is a charitable organization under the section 88.

... *Marching towards the 60<sup>th</sup>* ....>



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Update News at <http://www.icasonline.net/>

( ICASE = “International Council of Associations for Science Education”. **HKASME is one of the founding member of ICASE.** )

>> NEW:: **COVID-19 PHENOMENON-BASED LEARNING (PhBL) ENGINEERING CHALLENGE**

>> NEW resource can be downloaded at ... <http://www.icasonline.net/coronavirus.pdf>




**“GUIDANCE on active learning at HOME” !!!** <<< Grasp your copy NOW!


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**\*\* Up-coming Events of HKASME .... \*\***

**HKASME Coming Issues ... due to Impact of Coronavirus Infection ... may be..**

>> Always check updated news at [www.hkasme.org](http://www.hkasme.org)

<u>Activity / Issue</u>	<u>Current situation</u>	<u>Remarks</u>
<b>“60<sup>th</sup> Corner”</b>  > a NEW Column to recap important events in the Association history leading to 2024 -- the 60 <sup>th</sup> Anniversary	<b>(60-11) : Special Items from the HKASME-60 --&gt;</b> {note: past articles (60-1) to (60-9) in Sep-2023 to Oct-2023 -Pack...	Members could contribute to this Column with notes, special items, blessings, etc.. Just email us: <a href="mailto:enquiry@hkasme.org">enquiry@hkasme.org</a>
 <b>“Sustainability &amp; Elements” – Celebrating HKASME-60</b> - competition to celebrate our 60 <sup>th</sup> Anniversary	Check results at <a href="http://www.hkasme.org">www.hkasme.org</a> ....	Report will be published in the yearly Sept. SME Journal
Sales of equipment & references	Office still operate within our limits.	Phone (23330096, 23337602) ++ ONLINE data & order
<b><u>Digi Science Video Competition 2023/24</u></b> – Theme: “Testing Science: Sustainability in daily life”	<b>Application closed.</b> <b>Submission by _5/4/2024</b>	Check WWW for details newspaper interviews and further comments later.
<b><u>Chemistry Olympiad for Sec. Schools</u></b> – Theme: “Chemistry of Fermentation”	<b>Application closed. Briefing completed.</b>	Check WWW for details – Submission due by 29/3/2024.
	➤	
 <b>26<sup>th</sup> Primary STEM</b> project (2023-24) Competition (常識百搭)	Final Exhibition at Central Public Library (8/5/2024 [WED]) completed. Final Results online at <a href="http://hkcity.net">hkcity.net</a>	Ongoing competition for (2023-24) will be similar -- Check online later!
2023-24 HK Science Olympiad for Primary Schools (for P5 & P6)	25/11/2023 (SAT) Completed!	Results & Certificates had been sent to teachers in Jan-2024.
<b><u>Mock Exams of Bio, Chm &amp; Phy ..2024</u></b>	<i>All Exams completed. Scripts are being handled &amp; results processing.</i>	Results expected to be available by Feb-2024 (will notify teachers for collection)

 <b>Fun Science Competition</b>	2/3/2024 (SAT) at Science Museum.	Theme: “Go with the Wind”
<p>&gt;&gt; Though the spread of Coronavirus is diminishing, no one is sure of anything in the future. In case that the activities have to be cancelled, the most update information will be posted via our webpage: <a href="http://www.hkasme.org">www.hkasme.org</a>.</p> <p>&gt;&gt;&gt; For some routine activities, regret that they have to be cancelled or delayed!!! If you have any suggestion that they could be handled safely, please forward to our managers for consideration in coming activities!!!</p>		
<p>➔ <b>Resources for New Year (2022-23)</b>- “Element cubes”, “metal packages”, New “Periodic Table” items !!! ➔ Check details at end of this Mailpack. --- Ordering References / Materials --&gt;&gt; phone up the Office for order &amp; enquiries. Check update catalogue at <a href="http://www.hkasme.org">www.hkasme.org</a>.</p> <p>➔➔ <b>Some books (Maths &amp; Chem) are on sale .... about 50% OFF!</b> --&gt;&gt; CHECK at office!</p>		

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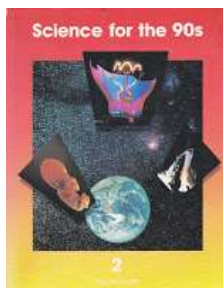
**自動轉帳會員通知**

原定 2023-12-11 於會員帳戶轉帳\$150.-會費，現因銀行更新電腦資料，暫無法過戶，不便之處，敬請原諒! 直至另行通知，不影響收取會訊。



## (60-11) Beyond the HKASME-60 (2)

Following the last issue (first of 2024), we are stepping through our 60s! While browsing through the old Association Journals, one could easily spotted the difference between the OLD ones (e.g. those in the 1990s) and the recent issues (the 21<sup>st</sup> Century ones). One of such is about reviews and advertisements of textbooks.



Why such reviews and advertisements disappeared in recent Journal issues? In the past, most teachers and students relied much on textbooks for basic studies. Unlike the scenario today – which many have had their own electronic resources and notes / worksheets for self-study, teachers and students needed such handy printed texts for daily study and teaching.

Other than the above scenes, there is another issue that arouse teachers' awareness about learning and teaching is the more dependance on electronic study materials. They are, of course, more convenient and quick to search and the animations / video captures bring more aggressive stimulation to the learning and teaching. YET, one very important drawback is that during written examinations/tests, some students' handwriting could hardly be read. Some recent research have also proved that hand-written exercises could bring about positive stimulation in learning. This is just like the use of electronic painting vs. free-hand-drawing! With such findings, some countries even set laws to strengthen “free hand writing” in the education system – to ensure that students could write neatly and formally.

Another recent phone-up at the Association Office is the asking for “science readers” as the Association had promoted several sets of past readings which were very good in promoting reading and science learning. However, we are regret that there were no stock of such for sale any more at our Office – one is due to limited space, the other is

that most of such readers may have also gone online instead of in printed form.

Hence, we could just wonder what teachers should do? We could only strive in all different directions and different online resources – and to modify some to allow students' experience in “free hand writing” which is important in their public exams (imagine that if your writing could not be read, you can only get ZERO marks!) Teachers must plan ahead and notify students why they have to “write” instead of “type”!

So, could your contribute? Surely yes! Let's know what you are working on .. or .. propose -- by emailing your notes / thoughts to us!!! See you next time.

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 {{.. Note: The first article of the “**60<sup>th</sup> Corner**” Series is (60-1) “1964? What happened? “ -- in the HKASME September-2022 Mailpack. }}

\*\*\* << **STEM Corner** >>\*\*\*

(ST-1) The 1<sup>st</sup> phase of Hong Kong ban on certain plastic takeaways and small articles starts from 22/04/2024 ++! ... >> Any impact on your daily teaching??



This is one of the answers provided online: ... .. *The first phase is mainly targeting expanded polystyrene receptacles and other disposable plastic tableware that are considered too small and hard to recycle, such as stirrers, straws, knives, forks, spoons and plates.*

Could you and/ or your students answer the following related questions?

- Other than the above list, what further items are included in this Phase 1-plastic ban?
- Would there be any exempted products or users (e.g. medical reasons) ?
- Could “recycle scheme” help in this ban?
- Other than restaurants and retailers, what other businesses would be affected?
- Is the education through the government channels enough for this act?
- How would your school cope with this ban? ➔ **You are welcome to share your ideas or your school's plans in handling this ban!!!...**
- .....

*For more basic facts, check... if you & your students could find out the exact answers ..!!!*



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\*\* **SCIENCE NEWS** \*\* --

(S-1) Japan's successful moon-landing by Jan-2024.... <SLIM = Smart Lander for



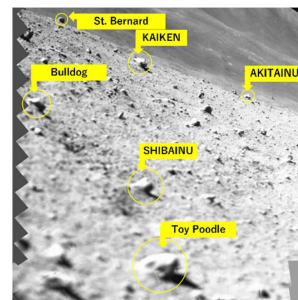
Inv.Moon>.....

[https://global.jaxa.jp/press/2024/01/20240125-3\\_e.html](https://global.jaxa.jp/press/2024/01/20240125-3_e.html)

\*\* **JAXA** == **Japan Aerospace Exploration Agency**

Good News from Japan JAXA -- Japanese moon lander 'SLIM' comes back to life and resumes mission...after the solar battery has charged up again .....&& ... The landing target is reported to be of high accuracy !!! (30/1/2024)

Check for more at ..... <https://www.youtube.com/watch?v=4s22r1nYMHA>



>> Image from the SLIM – the JAXA has funny way to introduce their mission by giving nicknames to the Moon rocks identified so far!!!

\*\* Further interesting issue from the JAXA is that they tried to bring Space Education into scenario via different issues: e.g. magazines, video materials, .... && most of them are already online...

>>... Space Education Materials -- <https://edu.jaxa.jp/en/contents/>

... Youtubes -- communication skills ... <https://youtu.be/d7ruzqkZNoU>

... Video materials for Space Education-- <https://edu.jaxa.jp/en/contents/movie/>







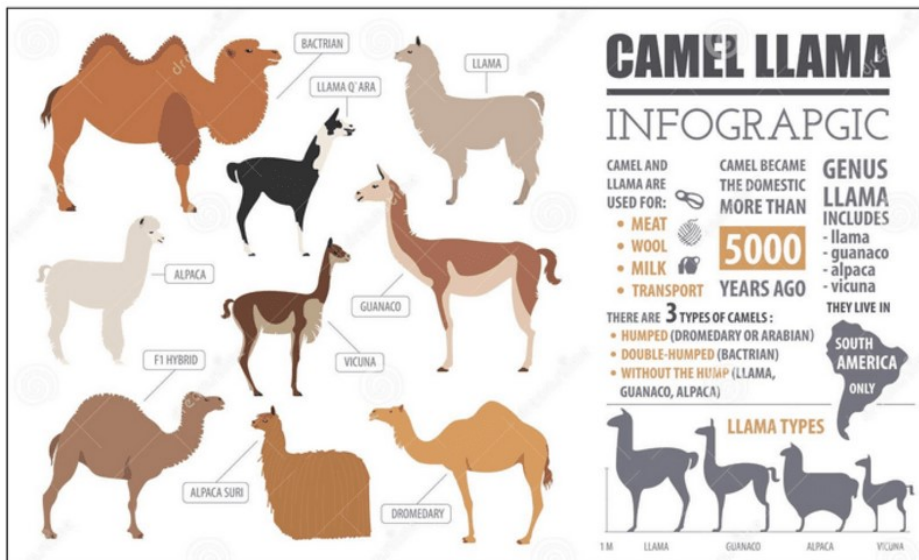
## (S-2) **IYC-2024** .....



2024 = the International Year Of Camelids (**IYC**).

The United Nations has declared 2024 as the International Year of Camelids (IYC 2024) to highlight the significant contributions of camelids – alpacas, Bactrian camels, dromedaries, guanacos, llamas, and vicunas – to the livelihoods of millions in over 90 countries.

Challenge your students -- how many types of camelids could they identify?



For more details, check ... <https://www.fao.org/camelids-2024/join-us/en>

**(S-3) “Fun Science Competition”** – similar categories (Junior & Senior Sec) with simple and advanced groups on the THEME: “Go with the Wind” ... will be held on 2/3/2024 (SAT) at the HK Science Museum. Check for details online!!!

## (S-4) “Digi Science” Video Production Competition (2023-24) ... THEME: “Testing Science

– Sustainability in Daily Test”

Application completed and submission would be due by 5/4/2024 !!! ALL processes are similar as previous years!!!

Check for details online at [www.hkasme.org](http://www.hkasme.org)

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(S-P1) **NEW** 26<sup>th</sup> **Primary STEM** project (2023-24) Competition (**常識百搭**) –

**CLIMATE CHANGE** ...

The first stage had been completed with all submissions (online) screened by different judges. Schools will work out the actual materials for presentation on 8/5/2024 (WED) at the HK Central Library.

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**\*\* CHEMISTRY NEWS \*\***

**(C-1) Chemistry DSE Mock Exam 2024 --** all tests completed and scripts are being processed. Results expected to be released by END of Feb ... Teachers will be notified when all results & certificates are ready.

**(C-2) Hong Kong Chemistry Olympiad For Sec. Schools**

Application done. Check www for details later.  
Details will be updated on WWW. Check the due date -- 29/3/2024 !!!  
Final presentation will be 29/6/2024 at Maryknoll Fathers' School.

**(C-3) HK plastic ban** (from 22/4/2024).... -- would you organize activities to arouse your students' interest in such daily issue that highly linked to their Chemistry studies?? ..... You are welcome to share your activities here!!! ... just email us!



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**Biology News****(B-1) The 1<sup>st</sup> Biology DSE Mock Exam -- all tests completed in Dec-2023 & Jan-2024.**

*Scripts are being processed and results be expected to release by END of Feb.*

**(B-2) Hong Kong Biology Literacy Award (2023-24) -- Round 1 test completed.**

*Results and Certificates are being processed and will notify teachers when they are available.* **For Round 2** – the 3-minute presentation finalists had been release online and teachers are notified with the preliminary notes. Further details will be given to the finalist teams when they are available. **Teachers should make sure that their students are available for the AM session of 17/2/2024 at the HKU!!!**

**Hong Kong Biology Literacy Award (2023/2024) (HKBLA) 生物學素養競賽**

Date: 17 February 2024 (Saturday)

Time: 9:00 am – 1:00 pm

Venue: The University of Hong Kong

The following 8 teams will be entering to 5-minute presentation.

Sch Code	Schools Name	Students Name	Group No.
001	Fukien Secondary School	施倩欣 周智傑 黃沛柔 林果豐	Group 1
005	Carmel Divine Grace Foundation Secondary School	Cheng Chung Ki Tang Kit Fung Ng Cheuk Yan Lai Shing Him	Group 1
008	Wa Ying College	CHEUNG CHAK LAM SUN YAN LONG LEUNG KING WAI ZHAO YI AN	Group 2
022	Good Hope School	Chung Nga Yu Natalie Chan Tsz Ching Yuen Hailey Kwok Chi Shun Constance	Group 1
043	Diocesan Girls' School	SO CHUN KIU WONG TZE CHING ANDREA WONG HIN LAM AU CHEUK YI	Group 2
044	Hong Kong Chinese Women's Club College	CHEN PUI YAN WANG SAI KAI	Group 1

		CHAN HOI CHI TAM TZE HIM	
050	Queen's College	Cheng Wai Ho Chong Chi Kit Lau Tat Him Tsui Man Ching	Group 2
062	Carmel Pak U Secondary School	Ho Yan Ching Cheng Tsun Kiu Shi Pok Yiu Wong Sam	Group 1

**“ Protecting Biodiversity, Protecting Life” ....**

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## Physics News

(P-1) Physics Mock Exam in Dec-2022 (30<sup>th</sup> & 31<sup>st</sup>) – ALL scripts are being handled and results processed. ALL results and scripts are expected to be available by END of Feb.

(P-2) 2024 趣味科學比賽 - 《風 馳 電 掣》

今年的比賽主題是「風馳電掣」，參加者須設計及製作一件利用來自外置風扇的風力（低年級組），或以氣球噴氣方式推動的器件（高年級組），在有坡道的夾板賽道上行駛至終點平台。

比賽設低年級組（中一至中三）和高年級組（中四至中六）。報名以學校為單位，歡迎各位中學同學參加，接受挑戰，發揮創意，完成任務。

(一)比賽日期及地點：

比賽日期: 2024 年 3 月 2 日（星期六）

比賽地點: 香港科學館

低班級組比賽時間：上午 9 時 30 分至下午 1 時 30 分

高班級組比賽時間：下午 2 時 30 分至 6 時 30 分

(比賽時間會因應各組參賽隊數作適當調整。)

各組比賽結果將於該組比賽完成後隨即公布，獎金和獎狀會於賽後以郵寄方式送往學校。

(二)參加辦法：

有意參賽者請到比賽網頁，下載並填妥報名表格。

1. 每隊使用一張表格，並請確保填寫的資料正確無誤。
2. 報名以學校為單位，每校最多可提名低年級組和高年級組各兩隊，每位隊員只可參加一隊。
3. 請於 2024 年 2 月 5 日（星期一）下午 5 時前，電郵表格至香港數理教育學會 [funscience@hkasme.org](mailto:funscience@hkasme.org)。
4. 經電郵遞交表格後，必須由校長於表格上簽名及蓋上校印，然後將已簽署的表格再傳真至香港數理教育學會 2333 3355 以作確認。

(三)簡介會：

大會將舉辦簡介會，讓參賽者進一步認識比賽的規則和詳細安排，詳情如下：

日期：2024 年 1 月 13 日（星期六）

時間：上午 10:00 – 11:30

比賽地點: 香港科學館一樓演講廳

語言：粵語

查詢：2731 5441（星期一至五：上午 9:00 – 下午 1:00，下午 2:00 – 5:00，公眾假期除外）

免費活動，即場入座，座位先到先得

器件測試（只限已報名的參賽者）

香港科學館將於比賽截止報名後開放賽道，讓已報名的參賽者於賽前為器件進行測試。

提提你：

有關簡介會和比賽的詳情或有更改，最新資訊請密切留意香港科學館網頁、Facebook 和 Instagram 專頁及香港教育工作者聯會網頁的公布，大會保留最終決定權。

香港科學館網頁：<https://hk.science.museum/tc/web/scm/event/ScienceComp/fsc.html>

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中國藝術歌曲

## 《大江東去》

詞：蘇軾《念奴嬌·赤壁懷古》  
曲：黃今吾 (1920)主持／男高音：陳 鳳  
主持／鋼琴：傅嘉聰

## 中國藝術歌曲賞析——《大江東去》

Dec 2023

EDUCATION BUREAU EDUCATIONAL MULTIMEDIA MONTHLY UPDATE  
教育局教育多媒體每月速遞 (十二月號)

## 小學科學

探新求知 樂學活用 創造未來

## 《小學科學：探新求知、樂學活用、創造未來》

## 小學人文科

人文素養育英才  
愛國愛家作棟樑

## 《小學人文科：人文素養育英才 愛國愛家作棟樑》



## 《「躍動校園 活力人生」計劃——「喜迎亞運·活力健步／跑／跳挑戰賽暨MVPA60獎勵計劃」成績公布》



教育多媒體資源目錄

如有興趣接收《教育多媒體每月速遞》，歡迎發送一個空白電郵至 [emm@edb.gov.hk](mailto:emm@edb.gov.hk)

Jan 2024

EDUCATION BUREAU EDUCATIONAL MULTIMEDIA MONTHLY UPDATE  
教育局教育多媒體每月速遞 (二月號)



《喜閱一生(說好香港故事——悅讀樂寫意)》系列



STEAM Education School Support Programme: "Engineers on Campus"



《「躍動校園 活力人生」計劃》系列



《趣看中史@文物》系列



《小學教育課程指引》系列



《習典明理》系列



教育多媒體資源目錄

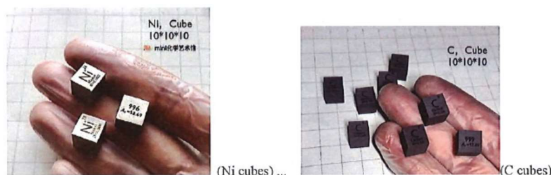
如有興趣接收《教育多媒體每月速遞》，歡迎發送一個空白電郵至 [emm@edb.gov.hk](mailto:emm@edb.gov.hk)

## Resources Collection --- CONTINUE CELEBRATING THE IYPT-2019 (INTERNATIONAL YEAR OF PERIODIC TABLE) ....

(A-1) \*\* New \*\* <sup>NEW</sup> -- “Element Cubes” <sup>NEW</sup> -- IYPT resources ... <sup>NEW</sup> <== **could**

**ALSO be used as tools for your students to plan their “Experience Package” for the NEW competition “My experience with the Periodic Table” for IYPT-2019(HK).** -- check Chem News (C1) above....

>>--)) Element CUBES of (1 cm x 1 cm x 1cm) – 4 elements available



Element / Symbol (At.No.)	Purity	Density	Price (Member / Non-member)
Carbon / C (6)	999 (= 99.9 %)	1.82	\$ 30 / 40
Nickel / Ni (27)	995 (= 99.5%)	8.9	\$ 50 / 60
Titanium / Ti (22)	995 (= 99.5%)	4.506	\$ 30 / 40
Molybdenum/ Mo (42)	9995 (= 99.95%)	10.22	\$ 60 / 70
Gold / Au (79) in tube	999	19.3	\$ 30 / 40

“More” How to use the “Element Cubes” ?? -- check April mailpack for different uses ... and ...use your imagination & creativity for the followings: ...

- 1/ Use waste cardboard and papers to make “paper element cubes” with element info on the 6 sides.
- 2/ How to use the above depend on your imagination ... e.g. as a gift, ... as detective chess, .. as a conversational tool to inspire students
- 3/ Using the “real cubes” (bought as above) and the “paper cubes” together for different activities ...

### (A-2) Sets of elemental package for comparison / metallic investigations...



various metal combination packs are available with metals Mn, Bi, W, Zn, Ti,

Cr, Sb, Pb, Mo, .... Some mixed packs with 5 random metals at (\$30) and 3 metals at (\$20).

.... → Ask for more updates at the Office (2333-0096)!

### (B) Periodic Table items for IYPT-2019 >> & Still extending into 2021! ...

>> YES, check Chem News Section!

\*\* The IYPT-2019 (International Year of Periodic Table) will have global and local activities until

the end of the year. Hence, it is not late for you to initiate activities for your school or class or students to join the grand celebration around the World. For updates and our new competition (“My Experience with the Periodic Table” – a continuation of the 2018-19 competition “Element of the Month”), please go to [www.hkasme.org](http://www.hkasme.org) > Subject Comm > Chemistry > IYPT or email your questions or message to [iypt2019@hkasme.org](mailto:iypt2019@hkasme.org)

For details of the competition “Element of the Month for IYPT-2019(HK)”, please refer to the final report in this Journal or check at [www.hkasme.org](http://www.hkasme.org) > Chemistry > iypt2019.

### (B1) → Different types of Periodic Tables:

1. <u>Different size:</u> <u>A4 / postcard / bookmark</u> --	
2. 3D periodic table, large size (\$40) --	
3. Heat sensitive periodic table --	
4. Heat sensitive Cup with periodic table -- (change colour with cold water).	

### (B2) <sup>NEW</sup> Periodic Table Mugs:

	Periodic Table Mug (classical)	\$60
	Periodic Table Mug (yellow)	\$60
	Periodic Table Mug (coloured)	\$60

– Ask Office for updates at 2333-0096.

Check for more at the SME Office ... ↔ **STEM nourishment needs experiential learning !!!**