HKASME OCT-2012 Mail Pack

< A charitable institution with effect from 15 May 2010 under the Section 88 of the IR Ordinance >

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The Japan claims 113 ...

Council News



Whether you like it or not, Japanese scientists claimed to have element 113 synthesized (see Chemistry News). Any implication from such about our education reform (NSS/DSE/NAS/334) in the new Era?

Japanese scientists and a Russian team, had claimed that they had synthesize the new element 113 in May-2012. And, the Japanese recently asked the panel to take their latest paper into consideration along with their earlier results. At the moment of writing, the IUPAP and IUPAC, who had certain criteria for discovery of a new element (**), still not confirm the case.

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Back to HK, "Hong Kong" or "HKSAR"? NSS, DSE or NAS or 334? Is this education reform just a matter of individual subject development and amendment? No matter how you call and view it, the NSS/DSE (just like the Hong Kong society) is being impacted by many social unrest -- from educational to civic to national issues. Such impact will surely affect both teachers and students, and to the outer circle -- the employers, parents, etc. Though the discussion of politics is not common in our classrooms, especially in the already-time-limited NSS-science-lessons, this may not be the case in the students' mind when they are bombarded by various forces outside the classroom. No one could deny that the arrangements throughout the years were not effective, not efficient and that leads to emotional comments (especially under the pressurized social movements).

Meanwhile, the EDB and HKEAA are trying hard to lead and guide the review of the NSS/334 system with the completion of the first cycle of the DSE. However, professionals have voiced that there is no published statement about the review and educators can't see that the EDB has any "principles" and "theories" behind the implementation and review. For front-line teachers, most are concerned about the details of their own subject problems -- viz, topics to be deleted (DUE to actual time constraints, especially for the

So, do we NEED a new start in the 334/NSS/DSE -- with a thorough view rather than bit-by-bit survey from schools / teachers? How about the views of students, parents, employers, ... -- the other stakeholders of the society that the education sector serves? The World and the Society has changed! We need a new way of establishing our systems. Teachers -- would you check and think out-of-the-box in the traditional way for the sake of our future society? Could the EDB and HKEAA lead us to the ocean with suitable "safety rules" or just providing free-size "life-jackets"?

You may also send your comments, reviews, ... to the Office via any channel (email, phone, fax, ...). We hope that teachers could professionally adjust their teaching and learning context before the Authorities have any confirmed suggestions. See you in the coming SBA Conferences and activities.

(**) http://www.iupac.org/publications/pac/1991/pdf/6306x0879.pdf - criteria for discovery of a new element.

**	**)	SBA Conference dates:	13/10 (Biology), 20/10 (Physics), 27/10 (Chemistry).
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電子版會訊 "Newsletter"事宜

各位會員:作為教育學會,應以身作則推動綠色生活,減少碳足印,因此,本會將會從第三期會訊開始,以電子版本替代紙印版本發送刊物會訊 "Newsletter"給各會員。

如閣下堅持收取紙印版本,請給出理由,回覆電郵地址enquiry@hkasme.org以便本會跟進。

另請各會員:

- 利用附件續會表格,填寫/更正個人資料,請提供有效的電郵地址連同支票,寄回本會九龍深水 步保安道一號寶安閣一樓——四室。
- 保存本會的存貨清單,以便日後欲購買教材教具時作參考用。
- (以自動轉帳交會費之會員) 留意銀行扣取會費日期為2012年10月18日。

閣下亦可隨時登上本會網址http://www.hkasme.org查看存貨清單的最新版本,或了解相關各科目的最新活動和消息。

祝教安!

香港數理教育學會

二零一二年十月十日



Update News at http://www.icaseonline.net/

(ICASE = "International Council of Associations for Science Education". HKASME is one of the founding member of ICASE.

Updates:-- "WorldSTE2013"? ... Yes, 2013 -- The ICASE is organizing the "World Conference on Science and Technology Education" in 2013 at Borneo "Live Education, Live Learning, Create Change" during 29/9 - 3/10/2013. The United Nation "Environmental Program Committee (ENEP) will also join the Conference.

Check for details at http://worldste2013.org/



Sales:

--→... check for some NEW references, and OLD stock Sales in the Sales Order Form...(can be downloaded from www.hkasme.org)

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General News



Sweden's New School System has NO Classroom!

Just take a look from the overall ideology and perspectives -- their newest system looks like the hallways of Google or Pixar and not a "brick-and-mortar school". Feel it yourself at http://edudemic.com/2012/09/swedens-newest-school-system-has-no-classrooms/

Science News



New compounds from 4900-year-old wood -- insights to

pre-historic Environmental Science?

The French scientists have identified unique molecules from an ancient piece of oak that could help to solve the time-machine problem. Pierre Adam & co-workers, University of Strasbourg, used gas chromatography-mass spectrometry (GCMS) to identify triterpenoid molecules which are unusual in their structures compared to the present naturally occurring ones. The difference could be due to chemical breakdown of the molecules by micro-organisms in the environment where the wood is buried.

Check for more at http://www.rsc.org/chemistryworld/2012/09/triterpenoids-ancient-wood-samples

((======))

Chemistry News

Element No. 113 -- made by Japanese Scientists ...

/. Oct-2012

Japanese scientists have announced synthesis of element 113, which has the unglamorous placeholder name <u>ununtrium</u>. Several heavier elements have been synthesized (man-made), but 113 has been elusive. Researchers at <u>RIKEN</u>

<u>Nishina Center</u> for Accelerator-Based Science in Japan said they made the element back on August 12, 2012, but were unable to capture proof of the highly unstable element before it decayed. Now they say they have the decay scheme that <u>proves</u> the creation of the new element.

How 113 Was Made → Kosuke Morita and his team collided zinc nuclei (30 protons) with a thin layer of bismuth (83 protons) to form nuclei with 113 protons. The nuclei underwent alpha decay, turning element 113 into element 111, 109, 107, 105, 103 and element 101, Mendelevium.

Once verified, this will be the first time Japan has made claim to a new element discovery. What do you think the researchers will name 113?

Further reading:

- 1. <u>http://www.scientificamerican.com/article.cfm?id=element-113-at-last</u> \rightarrow the tests had been tried over 9 years with numerous tests in 553 days using over 1.3 x 10^{20} Zn nuclei.
- 2. http://prospect.rsc.org/blogs/cw/2012/09/28/element-113-in-the-lap-of-the-gods-or-at-least-iupac/ -- RSC Blog ...
- 3. Criteria of a NEW element -- http://www.iupac.org/publications/pac/1991/pdf/6306x0879.pdf
 4.

http://www.popsci.com/science/article/2012-09/japanese-team-claims-discovery-elusive-element-113-and-may-get-name-it







Belgian speciality chemicals giant Solvay has officially opened two new sites in France for recycling rare earth elements.

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Demand for such elements is extremely high because of a complex mix of political, economic and technological pressures. In recent years, instability resulting from international disputes involving China, which supplies 96% of rare earth elements to the global market, has prompted companies to look more closely at their supply chains.

The sites will recover a range of elements – <u>lanthanum, cerium, terbium, yttrium, europium</u> and <u>gadolinium</u> – from <u>low-energy light bulbs, batteries and magnets</u> in a bid to diversify the supply chain.

IMPORTANT NOTICE TO ALL MEMBERS !!!!!

Members who use autopay for membership fee payment are reminded to check for the sufficient fund in the designated bank account. The membership fee will be collected from the accounts for \$150. around 18th Oct, 2012 (Thu).



香港數理教育學會

Hong Kong Association for Science and Mathematics Education

Rm 114, 1/F., Po On Court, 1 Po On Road, Sham Shui Po, Kln.

Tel: 2333 0096, 2333 7602 Fax: 2333 3355

http://www.hkasme.org/

數學教學研習小組 (Mathematics Pedagogy Study Group)

本年度,本會數學組繼續嘗試安排多次教研的小組討論。往年的聚會雖然未能順利延續,數學組的成員仍望此活動有助大家一同鑽研教學。歡迎會員提出感興趣的課題或其他研習模式。

第一次聚會的主題是教材的設計與運用。我們將會介紹網上 National STEM Centre eLibrary* 的素材,從而探討如何一起發展靈活多變,本地課程所需的教材。
*請瀏覽http://www.nationalstemcentre.org.uk/elibrary/

活動:數學教學研習小組(第一次聚會)

日期: 2012年10月19日時間: 6:00pm-8:00pm

地點:長沙灣天主教英文中學 218 室(長沙灣福榮街 533 號;長沙灣地鐵站 C2 出口)

報名方法及費用:

香港數理教育學會會員/新教師研習課程(2012-13年度)學員: 免費

其他非香港數理教育學會會員:每位50元*

名額: 30人

截止報名日期: 2012 年 10 月 17 日。 (先到先得) 詳情請瀏覽網址: http://edblog.hkedcity.net/asmemath/

回條:數學教學研習小組(第一次聚會)(2012/10/19)

截止報名日期: 2012年10月17日(先到先得)

學校名稱:		請填安報名表,請傳	具至 2333 3355。	
姓名:	(中文)		(英文)	
聯絡電話:		電郵地址:		
會員號碼:		* (如適用)		

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Physics News

(一) 中國內地高等學校全國統一考試物理試題及解答

- (1) 2007 年物理 (江蘇卷) 試題及解答
- (2) 2007 年理綜全國 I、II 卷試題及解答
- (3) 2007 年物理 (上海卷) 試題及解答
- (4) 2008 年物理 (上海卷) 試題、解答及試卷評析 有關文章原載《物理教學》雜誌
- (二)以天宮一號和神舟飛船為背景的一組試題

原載《物理教學探討》2012年第4期

對上述文章有興趣的會員可向本會查詢

同步衞星要講清楚的七個問題

- (1) 同步衞星軌道為什麼是圓而不是橢圓
- (2) 為什麼同步衞星軌道與地球亦道共面
- (3) 為什麼所有同步衞星的高度都是一樣的
- (4) 各國發射的同步衞星會相撞嗎
- (5) 同步衞星是如何發射和回收的
- (6) 同步衞星發射過程中的"4個速率"的大小關係
- (7) 為什麼要至少發射三顆同步衛星且對稱分布在同一軌道上, 才能實現全球通信

有關文章原載《物理通報》2008年第3期

香港數理教育學會HKASME













Electric Calorimeter \$240

Make Your Own Bubble Gum Kit (1/4 lb) \$240

1000pcs Jigsaw Puzzle \$260

Kevlar survival cord (凱夫拉線)

Multi-Fiber Ribbon \$130

Heat Sensitive Paper \$120

Autumn, 2012 秋季圖書教具目錄 **BOOKS & EQUIPMENT CATALOGUE**













Buckyballs Magnetic ball (216 pcs) \$160

Carbon-60 -Molecular Model Set (XCM) \$320

Elements Vault: \$340

Secret Science \$190 / \$210

Naked Eggs and Flying Potatoes \$190

Fire Bubbles and Exploding Toothpaste \$190 / \$210

Room 114, 1/F., Po On Court, 1-15 Po On Road, Sham Shui Po, Kowloon. Tel: 2333 7602 Fax: 2333 3355

Free Gift for placing order over \$1400 for members and NEW MEMBERS. \$1700 for non-members.

- The catalogue and order form can be photocopied.
- These prices are subject to change without prior notice.
- For BULK order, please contact HKASME office first.

For Other Education Reference, old items, other books and BULK order (for teachers and students) which are not on the list, please phone us for detail and quotation.

2012 NEW BOOKS & EQUIPMENT FOR TEACHING

Here are new kits to make science teaching fun and time saving. All the listed products and books are now AVAILABLE in HKASME.



Make Your Own Bubble Gum Kit (1/4 lb)

\$240

The Kit contains everything to create a soft, smooth and delicious bubble gum. Bubble gum base, sweetener, flavourings and other tools are provided to make 1/4 lb tailor-made bubble gum.



Brew Your Own Root Beer Kit (2 gal.)

\$240

The ingredients in this kit are enough to make up to 2 gallons of root beer. It is great to use in teaching fermentation.



Brew-It-Yourself Caveman Cola

\$240

The kit contains cola extract, brewing yeast, tools and instructions. Just follow the instruction and make your own brand of cola with all-natural ingredients for consumption.



Fizz Wizard Chem Kit (Food grade ingredients)

\$240

It is safe and non-toxic chemistry experiments you can drink and eat. The kit contains food grade ingredients. You can make color changing foaming jelly & fizzing drinks and study the chem in the reactions.



Cool Blue Light Experiment Kit

\$240

Come with detail instruction, tools and chemicals to learn about chemiluminescence, cool blue light and the real quantum leap.



Glowing Gel Experiment Kit

\$240

Learn the chemistry behind gels, polymers, states of matter & phosphorescence. Non-toxic & safe.

\$240



You can follow the instructions and use the ingredients from the kit to do 16 different edible experiments, e.g. fizzy drinks, color-changing foaming jelly, pudding.

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Body

Kevlar survival cord (凱夫拉線), 1.0 mm, 220 lb

System

0.8 mm, 180 lb

Explorers

\$30

\$20

\$10

\$260

\$320

\$320

\$320

\$320

\$320

\$320

\$800

\$160

\$130

\$320

\$230

\$120

\$550

(12 pcs x 4 colours)

(60 pcs x 4 colours)

\$240



Invite some ants to live in this space-aged farm. Watch the ants live, work and make tunnels in the non-toxic gel. No need to feed the ants any food or water in the farm. The kit comes with instruction booklet.

Electric Double Walled Calorimeter

The calorimeter has a heating coil, 1.7cm thick Styrofoam liner, a plastic insulator ring, an aluminum reservoir with a capacity of 150ml, a thermometer stopper and an insulated stirrer.

\$240



Salt Water Fuel Cell Car

Low cost but work. Just adding some salt water into the car, the fuel cell provides enough power to make the car running for several hours

\$50



1000pcs Jigsaw Puzzle \$260













Einstein Tongue

Periodic Table of Elements

The Periodic table of Elements

The Atom

Famous Inventors

Evolution-The tree of life















The Planets

Human

The Brain

Muscular

Space

The Stars

0.6 mm, 120 lb Inorganic/Organic Molecular Model Sets (For Student) Organic Molecular Model Sets (For Teacher) XCM-003-1-Graphite (three unit) Crystal Structure Model XCM-003-1-Diamond (four level) Covalent Crystal Model Fullerene Carbon-60 - Molecular Model Set (XCM) Fullerene Carbon-70- Molecular Model Set (XCM) Molecule model kit (xump) Student set - 104 total ball & stick components Teacher set - 520 ball & stick components 5mm Buckyballs Magnetic ball (216 pcs) - great to make nanotube, C60 and crystal lattice Multi-Fiber Ribbon (teaching bonding & structure) The ribbon consists of 13 different fiber strips (cotton, nylon, silk, etc.), woven together into a single ribbon. It can be used to test the effect of different dyes, bonding & structure, identify unknown fiber, etc. Liquid Crystal Sheets (12x12 inch) 20 - 25C 25 - 30C 30 - 35C

Thermoplastic Polymer 200g (m.p. ~60C)

Heat-Sensitive Paper A4 Plain - Can be cut

into strip and used to make bookmarks in

It melts in warm water, forms a new shape when cooling.

Openday, Science week, etc.



Heat-Sensitive Pencils (25 pcs) – Great to use as a gift to sensitive your students.

2012 Bright Red Publishing - Official Scotland Past Papers & Answers, Revision Guides for both teachers and F.3 – F.6 students. \$190 / \$210

All questions come with answers.















New Science and Experiment Books – Beyond ordinary Sci & Experiment books.











150 and 150 more	Elements Vault:	Secret Science: 25	Naked Eggs and	Fire Bubbles and
Captivating	Treasures of the	Science	Flying Potatoes:	Exploding
Household Expts	Periodic Table with	Experiments Your	Unforgettable	Toothpaste: More
(Back in stock!!)	Removable	Teacher Doesn't	Experiments That	Unforgettable
\$280 / \$300	Archival Doc &	Know About	Make Science Fun	Experiments that
	Real Samples -	\$190 / \$210	\$190 / \$210	Make Science Fun
	Including Gold!			\$190 / \$210
	\$340 / \$360			

	新書 NEW Books	Mem \$	N-mem
	CHEMISTRY		
必買!	3 小時讀通稀有金屬 (世茂)	100	110
NEW	漫畫化學 (博雅書屋)	100	110
NEW	科學好好玩-化學學什麼? (幼福文化)	70	80
NEW	超可愛化學:來個痛痛快快的反應吧!(博雅書屋)	90	100
NEW	金屬(瑞昇文化)	100	110
NEW	圖解化學元素百科(台灣東販)	100	110
NEW	有關化學的 100 個知識 (驛站)	80	90
NEW	氣球為什麼會飛?從生活中發現化學的神奇樂趣!(<u>木馬文化</u>)	90	100
NEW	益智化學(臺灣商務)	100	110

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NEW	看得到的化學:你一輩子都會用到的化學元素知識(大是)	160	170
NEW	消失的湯匙:一部來自週期表的愛恨情仇傳奇與世界史(大塊)	120	130
NEW	有關化學的 100 個知識 (驛站)	90	100
NEW	Amazing Kitchen Chemistry Projects You Can Build Yourself,	\$200	\$220
NEW	DK Eyewitness Books: Chemistry	\$200	\$220
NEW	Culinary Reactions: The Everyday Chemistry of Cooking,	\$160	\$180
NEW	Scholastic Discover More: The Elements,	\$200	\$220
NEW	What's Chemistry All About?	\$200	\$220
NEW	Chemical Demonstrations Volumes 1-5	@ 500	@530
NEW	Chemistry 49 Demons DVD	\$700	\$740
NEW!	3 小時讀通有機化學 (世茂)	90	100
NEW!	3 小時讀通化學(漫畫版)(世茂)	90	100
NEW!	圖解化學入門(世茂)	90	100
NEW!	消失的湯匙:一部來自週期表的愛恨情仇傳奇與世界史(大塊)	120	130
NEW!	有關化學的 100 個知識(驛站)	80	90
NEW!	圖解化學 (易博士)	80	90
NEW!	打造化學力(上+下)(天下文化)	180	200
NEW!	如何學好中學化學(上+下)) – Joy of Chemistry 中文版	250	270
NEW!	有機化學天堂祕笈(I+II)	260	280
NEW!	看得到的化學:你一輩子都會用到的化學元素知識(大是)	160	170
NEW!	戰勝科展Ⅱ:化學實驗的第一本書(貓頭鷹)	100	110
	看得到的化學:你一輩子都會用到的化學元素知識(大是)	160	
	超萌! 化學元素週期表 (如何)	100	
	圖解化學(易博士)	80	
New	圖解氫能源 (世茂)	80	
New	圖解燃料電池 (世茂)	80	
New	全面攻進奈米科技與太陽電池(天下)	120	
72	上面交通宗尔科·利艾英太陽电池(八十) 化學.就是這樣的	130	
NEW!	Periodic Tales: A Cultural History of the Elements, from Arsenic to Zinc,	25.577	260
NEW: NEW	Adventures With Atoms & Molecules: Chem Expts for Young People	170	200
63	Illustrated Guide to Home Chem Expts: All Lab, No Lecture (DIY Sci.)	280	
64	ChemMatters CD(1983 to 2008) - reading materials, act., lesson plan	370	
New	Chemistry Problems (5th Edition) by D. E. Newton - for test and drilling	330	350
New	The Mystery of the Periodic Table – discovery of the elements	170	190
New	Practical Chemistry Labs: A Resource Manual by L. Saland	330	350
New	40 Low-waste, Low-risk Chemistry Labs	330	350
New	Chemistry (Palgrave Foundations) - Cover all basic chemistry.	400	430
NICAL	PHYSICS	90	100
NEW	超可愛物理:物質為何如此重要?(書泉)	70	80
NEW	生活中不可不知的物理化學常識 (讀品)	90	100
NEW	3 小時讀通物理 (世茂)	222	90
NEW	有關物理的 100 個常識 (驛站)	80	
NEW	桑子老師教你 123 解物理 (世茂)	100	110

NEW	用科學方法解決日常生活大大小小的難題 (天下文化) 280 元	90	100
NEW	給未來總統的物理課(漫遊者文化)	110	120
NEW	The Physics of Baseball	\$160	\$180
NEW	What's Physics All About?	\$200	\$220
NEW!	如何學好中學物理	120	130
NEW!	世界第一簡單熱力學(世茂)	90	100
NEW	世界第一簡單物理學力學篇(世茂)	90	100
	阿基米得和撐起地球的支點(臉譜)	70	
	牛頓和萬有引力(臉譜)	70	
	探索時間之謎:宇宙最奇妙的維度(貓頭鷹)	120	
New	天文學 (城邦)	110	
New	戰勝科展:物理實驗的第一本書 (城邦)	100	
New	天文觀星圖鑑 (城邦)	170	
NEW	電影中不可能的物理學(世茂)	120	130
New	物理的故事, 抓住飛行的子彈 (倚天)	90	
NEW!	有關物理的 100 個常識(驛站)	80	90
NEW!	Isaac Newton and Physics for Kids: His Life and Ideas with 21 Activities		200
New	Physical Science: Investigate & Connect - in-depth information & inquiry-based act. For different subjects and different level of students	200	220
	BIOLOGY		
NEW	神奇酷科學 (Horrible Science) <生物>系列 1-4 套書 / <環境與發明>系列 5-8 套書 / 〈物理與祕〉系列 9- 12 套書	@\$330	@\$350
NEW	生物世界的數學遊戲(天下文化)	120	130
NEW	微生物搞怪學(天下文化)	100	110
NEW	超可愛生物:我們所知的生命!(博雅書屋)	90	100
NEW	不可思議的生態系-圖解版 (晨星出版社)	90	100
NEW	植物學百科圖典(貓頭鷹)	110	120
NEW	大腦有多大?圖解會知道(書泉)	80	90
NEW	生物醫學 (臺灣商務)	80	90
NEW	圖解昆蟲的世界(貓頭鷹)	90	100
NEW	超精析!人體構造地圖(瑞昇文化)	130	140
NEW	What's Biology All About?	\$200	\$220
NEW!	Genetically Engineered Food: A Self-Defense Guide for Consumers,	180	200
NEW!	生物世界的數學遊戲(新版) (天下文化)	120	130
	血液的奧祕	110	
NEW!	な広ら田	110	120
ILIT.	免疫兵團		
LILIT.	充投兵團 種子哪裡來? (商周)	100	
	TO THE REAL PROPERTY.	100 70	
	種子哪裡來? (商周)		110
NEW!	種子哪裡來?(商周) 孟德爾和了不起的豌豆實驗 (臉譜) 微生物搞怪學	70	110 120
NEW! NEW! NEW!	種子哪裡來?(商周) 孟德爾和了不起的豌豆實驗 (臉譜)	70 100	15555

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New		100	_
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The Genius of Charles Darwin	EMC2 Periodic Table of Elements	Periodic Table of Elements	Alternative Energies	Constellations of the Zodiac	Einstein Imagination
7		NA CONTRACTOR OF THE PARTY OF T	41.77		
Einstein Curiosity	Global Warming	Evolution of Life Poster	The Tree of Life	The Atom Poster	Global Warming

Micropipette Price List - NEW!!!

Micropipette (variable dial setting)		Micropipette (preset to 5 scales)		
P5000-D 1000-5000 µl (1-5 ml)	\$470	P1000-S 200-1000µl (0.2-1 ml) \$2		
P1000-D 200-1000µl (0.2-1 ml)	\$470	P250-S 50-250µl (0.05-0.25 ml) \$		
P200-D 20-200µl (0.02-0.2 ml)	\$470	P25-S 5-25μl (0.005-0.025 ml) \$2		
P20-D 2-20µl (0.002-0.02 ml)	\$470			
	Spare T	ips & Box		
96 holes tips box	\$80	100 X small micropipettor tips 1-250μl		
60 holes tips box	ox \$90 100 X medium micropipettor tips1-100		ıl \$40	
		100 X large micropipettor tips1-5000μ1	\$80	

New Teaching Kits, Science Gift and Open Day Resource

20,000 pcs Assorted Ultraviolet Detecting Beads	3550
Liquid Crystal Sheet, 30-35C Transition (12x12 inch)	300
Liquid Crystal Sheet, 25-30C Transition (12x12 inch)	300
Liquid Crystal Sheet 液晶温度變色片, 30-35C Transition (4x4")	110
Liquid Crystal Sheet 液晶温度變色片, 20-25C Transition (4x4")	110
Fossil Sorting Kit (2 lbs.)	230
Instant Snow sample	10 / pcs
Crystal Tree	10 / pcs
Crystal Tree (350 pcs / box)	3200 / box
X'mas Crystal Tree	20 / pcs
X'mas Crystal Tree(120 pcs / box)	2100 / box
Candy Crystal Growing Experiment Kit	190

2012 Oct Mail Pack

	Bone Playing Cards	9	100
VE2005	BuckyBalls Magnetic Building Spheres- contains 216 (5 mm) balls for building C60, C70, C80, nanotubes		150
NEW!	Salt water fuel cell car - runs on salt water for about 5-7 hours continuously	50	60
NEW!	Thames and Kosmos Alternative Energy and Environmental Science Power House Green Essentials	800	900
NEW!	Potato Chip Science: 29 Incredible Experiments (with Kits)	180	200
	Jelly Things - mini expt with chemicals, kits & manual	80	90
	Thermochromic Things - mini expt with chemicals, kits & manual	80	90
	Cool Chem-Light - mini expt with chemicals, kits & manual	80	90
	Disappearing Ink - mini expt with chemicals, kits & manual	80	90
	Quantum Leap - mini expt with chemicals, kits & manual	80	90
	Rubber Latex - mini expt with chemicals, kits & manual	80	90
	Super Water Absorber - mini expt with chemicals, kits & manual	80	90
	Cool Blue Light CLASS KIT (Class)	550	580
	Cool Blue Light Experiment Kit (Demon)	200	220
	Glowing Gel Experiment Kit	200	220
	Super Water Absorber CLASS KIT	480	500
	Fascinating Oscillating Reaction Kit	180	200
	Human Body 1000pcs Puzzle	280	300
	Equal Mass Set	170	190
	Deluxe Molecular Model Set	720	750
	Genetics and DNA TK Kit	380	400
	Simplified Sterling Engine	330	350
	Pure Titanium Spork	150	170
A201	Fly Stick 手提靜電棒 Portable Van De Graaff Levitation Wand ual Now \$200	300	\$320
New	12 inch Galileo Thermometer 伽利略溫度計 \$160	220	240
New	模型照相機	160	180
New	Water Gel Crystals – teach refraction index 0.5lb	120	130
iven	1lb	230	250
NEW	Windmill Generator - Watch the LED glow as it is powered by free	100	110
NEW	energy from the wind. Enviro Battery - Uses lemons to power a light bulb, a watch, and music clip.	100	110
	24	-	

NEW	6-in-1 Solar Kit - an air boat, windmill, puppy, car, and two different planes.	280	300
New	Angel Flames - 12 Candles burn in one of 5 delightful colors.	\$30	\$40
New	Snow Angel Tapers – 2 large Candles (4 hrs) – Red / purple / yellow /green	\$50	\$60
New	Oil Lamp – (4 hrs) - Red / green	\$120	\$130
A41	編鐘 – 每個鐘敲擊的音高各不相同.	\$40	
A57	Buzz Wire – It makes a BUZZ sound when a circuit is closed. \$70	\$80	\$90
A58	Illusion Sci – 20+ optic act., 3D pictures & illusions with explanation. \$70	\$80	\$90
New	Pen-Ultimate Levitating Pen	140	150
New	UV Outside Detector	30	
A85	UV Detecting Beads (~250 pcs) - Change colour under UV (5	\$70	\$80
	coloured) (~3000pcs)	\$720	\$770
New	Soda Bottle Preforms and Caps (30/pk)	260	280
A8.	Spectroscope 分光鏡- Measure light wavelength.	\$150	170
New	Thermal Expansion Set	190	210
New	BIG Demonstration Electroscope, comes with instructions	440	270
New	12 inch Galileo Thermometer 伽利略溫度計	150	160
New	Thermochromic Things - change colour with temp.	60	70
New	Robotikits: 6-in-1 Solar Kit – boat, windmill, robot dog, car & planes	80	90
New	Memory alloy (Ni & Ti alloy) 記憶合金 ~100 cm	50	60
A74B	Dynamo Torch Kit 手搖電筒-Turn a motor to a generator	100	110
A74C	Spinning generator 手搖發電機- Spin a disk to produce electricity	100	110
A58A	Kaleidoscope Making Kit 萬花筒	100	110
A74D	Power Racer –電動風扇車	90	100

	POLYMERS		
	Growing Spheres 吸水珠(expand 3.3 cm) for teaching refractive index, diffusion, material sci & magic, water retention—large (~1200 pcs)	140	150
	Gigantic Growing Spheres 吸水珠 (grow up to 5 cm)	10/ps	
New	Growing Spheres (grow ~1.4 cm) – Regular (~60 pcs)	20	30
New	Growing Spheres (grow ~2.3 cm)– Large (~40 pcs)	20	30
New	Growing Spheres (grow ~3.3 cm)– Jumbo (~30 pcs)	20	30
-	Round Bouncing Ball Kit	250	
	Bouncing Ball Refill - (makes 12 balls, does not include molds)	170	

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2012 Oct Mail Pack

Thermoplastic Polymer (200g. m.p. 58C)	230	250
Poly-Ox: A Self-Siphoning Gel (1 lb.)	550	580
Alginate Worm Kit	280	300
Classroom Slime Kit	230	250
Super Snow 11b Bag	230	250
Instant Snow Polymer (5 lb)	1280	

No.	Molymod Molecular Models (NEW!!!)	\$
New	Organic teacher set	650
New	Molymod inorganic/organic molecular model set (for teachers)	650
New	Molymod inorganic/organic molecular model set (for students)	390
New	Molymod organic chemistry set (for students)	390
New	Molymod "A-level" inorganic/organic student set	390
New	Molymod biochemistry set (for students)	390
New	miniDNA TM DNA kit	420
New	Molymod C60 kit	420
New	Molymod diamond kit	360
New	Molymod graphite kit	360
New	Molymod sodium chloride kit	360
New	Molymod sulphur kit	360
New	BuckyBalls Magnetic Building Spheres- contains 216 (0.125") balls ilding C60, C70, C80, nanotubes	150

NEW!!! Da Vinci Model 達文西機械 (\$260 / \$280) – All are working. 全部可動。Come with detail

description. Good for investigative studies, science week & open day !



New Periodic Table

Na He		e		A PRODUCT VALLE OF THE ELEMENT STORY OF THE
Periodic	P.T.	The Periodic Table	P.T. of the	The Periodic table

Table postcards Playing (40pcs) \$ Cards \$160 150	Photo Card Deck \$250	Elephants (40pcs / A4) \$ 150	of the Elements Poster (Cartoon) \$ 190
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	(LS) Liberal Studies		
L6	流行性感冒	110	130
R42	沒有石油的明天	130	150
R43	文明的未來出路在哪裡? 石油耗劫	80	90
R36A	An Inconvenient Truth	230	250
R36C	不願面對的真相 by Al Gore – Suit LS	210	230
LS7	水資源的歷史、戰爭與未來	70	80
LS8	垃圾變黃金	100	110
LS9	地球暖化,怎麼辦?請看「京都議定書」的退燒妙方	80	90
LS10	石油用完了怎麼辦?	90	100
LS11	圖解資源回收與再生利用	60	70
LS12	Sustainable Ethanol: Biofuels, Biorefineries	220	240
36	Biodiesel Power: The Passion, the People, & the Politics of the Fuel	200	220
D21	Who Killed the Electric Car? (91 mins) - Investigate the birth and death of the	250	270
	electric car, renewable energy and sustainable living.		
D24	NOVA - World in the Balance: The Population Paradox (120mins)- Population	1 270	290
	rises, birth rates decrease and population is aging, China's booming economy and		
LS13	its impact on the environment, human's future, etc.	80	90
LS13	中國大陸食品的污染	80	90
LS14 LS15	地球零垃圾	60	70
	厨餘變黃金	80	90
LS16	太陽電力公司		
LS17	太陽房子	120	
LS18	認識綠色能源	80	90
LS22	不生病的地球	80	90
LS23	圖解燃料電池	80	90
LS24	Alternative Energy For Dummies	230	
LS25	Alternative Energy: Political, Economic, and Social Feasibility,	230	
LS26 LS27	The Renewable Energy Handbook: Guide to Energy & Sustainable living The Little Green Book: 365 Ways to Love the Planet	280 200	
LS28	節能省電救地球	80	90
LS29	太陽能源	130	
LS30	再生能源概論	190	
LS31	151	90	100
LS32	海岛地球人的能够失 中國石油外交策略探索:兼論安全複合體系	100	
L032	中國和西洋文東暗珠系。來論安主接口應系 Chemistry Experiment books with Lab manual and T's notes	100	110
1K	Chemical Activities: Env. chem Chem detectives. Food chem Biochem	200	420
	1	390	
1P	Inquiry-based Expt. In Chem (Oxford) – Manual with data	310	330
IS	Microscale Chemistry – Experiments in Miniature (RSC)	360	390

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2012 Oct Mail Pack

2D	Cup & Saucer Chemistry – Kitchen chemistry	90	100
2F	Chem. Magic - Mini interesting expts for demon. & open day	90	100
2H	Kitchen Chemistry. (RSC) – The chem. behind cooking with CDrom	400	430
	Chemistry Teaching, Resource, Reading and Others	<u> </u>	
3A	Green Chemistry: Theory and Practice (Oxford)	300	330
3B	Green Chemistry (RSC)- Explore the topics in greater depth	550	600
3E	Green Chemistry and the 10 Commandments of Sustainability	330	350
3F	Green Plastics: The Science of Biodegradable Plastics.	450	500
4	Hand-on chemical activity with real life application	310	330
5	General Chemistry by Linus Carl Pauling	100	120
6	Nature's Building Blocks: An A-Z Guide to the Elements	190	210
9	Vanity, Vitality, and Virility by John Emsley, - The chem in some products	150	170
9C	口紅、鑽石、威而鋼:商品背後的科學	110	130
10	The Joy of Chem: The Amazing Sci. of Familiar Things	250	270
14	A Guide to the Elements by Albert Stwertka	210	230
14C	化學元素導覽	150	170
15	Chemistry Connections: The Chem Basis of Everyday Phenomena.	420	450
16	Napoleon's Buttons – the importance of some cpds in history	200	230
16C	拿破崙的鈕釦	110	130
16CE	Napoleon's Buttons +拿破崙的鈕釦	300	350
19	The Elements of Murder: A History of Poison	160	180
28.	An Atlas of Fullerenes	230	250
30.	Advanced Chemistry for You (Nelson Thomes)	450	500
31	Biodiesel: Growing A New Energy Economy	200	220
32	Biodiesel, Basics And Beyond: A Comprehensive Guide to Production & Use	270	300
37	The 13th Element: The Sordid Tale of Murder, Fire & Phosphorus	190	210
36A	General Chem I as a Second Language: Mastering the Fundamental Skills	350	380
36B	Organic Chem I as a Second Language: Translating the Basic Concepts	420	450
36C	Organic Chemistry II as a Second Language: - Suit AL	350	380
44	· 化學元素發現的故事	90	100
45	圖解化學超有趣	90	100
46A	愛上化學實驗課(上+下)	170	190
47	70個化學妙問巧答	70	80
48	圖解化學辭典	190	210
49	普通化學-(基礎篇+進階篇)	320	360
51	綠色化學與化工	70	80
52	燃料電池	100	120
53	燃料電池 原理與應用	210	230
54	ILPAC Advanced Practical Chemistry	290	310
55	Easy Science Demos & Labs Chemistry	250	270
56	The 100 + Series Chemistry (The 100 + Series)	170	190
57	Practical Chemistry Labs: A Resource Manual	260	280
59	深入淺出談生活中的化學	80	90
60	現代化學 I-改變中的傳統概念+現代化學 II-跨領域的先進	210	230

61	化學的故事 Chemistry:消失的鑽石	70	80
62	Chemistry Problems (Fifth Edition)	270	290
65	化學分子世界導覽	140	150
66	化學與人生(第三版)	100	110
67	深入淺出談生活中的化學	80	90
69	化學元素王國之旅(全新改版)	80	90
73	Forensic Chemistry (The New Chemistry)	180	200
74	The Periodic Table: Elements with Style!	160	180
75	Better Looking, Better Living, Better Loving: How Chem can Help You	380	400
76	Laboratory Manual for Principles of General Chemistry	390	410
78	化學隨筆	80	90
79	化學元素發現的故事 Chemistry: 褪色的紫羅	80	90
	Drug and Medicines		
DM7	Illegal Drugs – a complete guide to their chem, history, use & abuse	240	260
DM8	Aspirin: The Miracle Drug	180	200
DM9	From Chocolate to Morphine: Everything About Mind-Altering Drugs	190	210
D4	Biology reading / reference books / project reference / resource books	200	210
B4	Biology Inquiries – Labs, assessment & discussions	280	310
В6	Biology Teacher's Survival Guide: Tips, Techniques & Materials for teaching	280	310
B8	Ready-To-Use Human Biology & Health Act: For G. 5-12	350	380
B10	The Code of Life	110	130
B12	細胞種子:認識幹細胞與臍帶血	80	90
B20	Puzzling Optical Illusions	130	150
B20A	The Nature of Visual Illusion	130	150
B13	Advanced Biology for You (Nelson Thornes)	450	500
B16	Plant Physiology: The Structure of Plants Explained (Studymates)	230	260
B17	Genetics: The Science of Genetics Revealed (Studymates)	250	280
B21	不可思議的生物科技	90	100
B22	複製一個我	110	120
B23	蝴蝶、斑馬與胚胎:探索演化發生學之美	110	120
B24	細菌的世界	110	120
B25	圖解生物辭典	210	230
B27	你的臉皮有多厚? 人體數字小百科	90	100
B28	圖解人類基因組的構造	70	80
B29	温度決定一切	120	130
B30	新世紀人體學習百科	100	110
B31	新世紀生物學習百科	100	110
B34	圖解奇妙有趣的細胞世界	70	80
B35	生物科技快易通	80	90
B39	Easy Outline of Genetics	190	210
B44	Biology Made Simple-A complete introduction	170	190
B45	Genetically Engineered Food: A Self-Defence Guide for Consumers	200	220
B47	How to Really Fool Yourself: Illusions for All Your Senses	150	170
B48	觀念生物學 (I-IV) Full Set	410	430
B49	一粒細胞見世界	100	120
	29		

B50	為什麼不能把蚊子殺光?	90	110
B51	新陳代謝-物理代謝與光合作用	70	80
B52	諾貝爾的榮耀-生理醫學桂冠	130	150
B53	奈諾身體探險記	120	130
B54	Good Germs, Bad Germs: Health and Survival in a Bacterial World	230	250
B55	Mendel in the Kitchen; A Scientist's View of Genetically Modified Food	190	210
B56	生物的故事	90	100
B57	生物的生存與滅絕	70	80
B58	鮑魚不是魚	70	80
B59	深入淺出談生物基因科技	70	80
B60	DNA 的 I4 堂課	110	130
B61	探索昆蟲微小腦	90	100
B61A	創世第八天:二十世紀分子生物學革命三部曲・(DNA+ RNA+蛋白質)	400	440
B62	圖解昆蟲學	210	230
B63	圖解微生物-細菌·病毒·黴菌	90	100
B64	逛超級市場學生物	90	100
B65	圖解生物學	90	100
B67	The 100+ Series Biology (The 100+ Series) + Activities for biology	170	190
B68A	大腦摸不到腳板(1+2): 人體與祕之有問有答 409	180	200
B69	掉在地上的餅乾還能吃嗎?有關細菌、病毒和黴菌的必要知識與常識	100	110
B70	認識 DNA:下一波的醫療革命	80	90
B71	回不去的伊甸園:直擊生物多樣性的危機	130	140
B72	動物命名的故事	120	130
B73A	成語動物學:鳥獸篇+蟲魚傳說動物篇	210	230
B74	圖解-血液/身體結構/細胞世界/免疫系統/大腦奧秘/生命線索	80	90
22.2	Physics reading / reference books / project reference / resource books		80
PX	玩具學物理 - 必買好書!!! MUST BUY	70	
P1	Physics, Fun, & Beyond : Electrifying Projs & Inventions	210 90	230 100
P2	Electricity expts for children - Simple and safe expt		
P3	Hands-On Physics Act. with Real-Life Applications : Easy Labs & Demons	310	330
P4	Safe and simple electrical expts	100	120
P6	Turning the World Inside Out and 174 Other Simple Physics Demon	320	350
P7	Physics Demon. Sourcebook w/ 2 DVDs (2006 Ed.)	500	550
P10	Touch This! Conceptual Physics for Everyone - Explain phy without eq.	180	200
P11	The Physics of Superheroes – Physics behind the superpower.	170	190
P12	The Flying Circus of Physics – The physics behind some tricks	270	290
P13	Sports Science for Young People – science behind major sports (Dover)	110	130
P13A	Sports Science: 40 Goal-Scoring, High-Flying Expts for Kids (Wiley)	150	170
P14	How Everything Works: Making Physics Out of the Ordinary	350	390
P15	Hands-On Physical Science Activities For Grades K-6, (2 nd Ed.)	300	330
Pl8A	Mad About Physics: Braintwisters, Paradoxes & Curiosities	190	210
P18B	Mad About Modern Physics: Braintwisters, Paradoxes & Curiosities	190	210
		90	100

P21

P23

P31

P35

P36

P37

P38

P39

P40

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M6

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M13

M14

M15

M16

MI8

M19

M19C

M20C

M21C

M22

M23

M24

M25

M26

M27

M28

圖解核融合能源

物理馬戲團(I-III)

觀念物理 (I-V)

小偷也要懂牛頓

圖解生活物理世界

圖解物理學

物理隨筆

圖解量子力學

圖解不需算式的物理學

Modular Origami Polyhedra

A Plethora of Polyhedra in Origami

Calculator Puzzles, Tricks and Games

3-D Geometric Origami

e: The Story of a Number

為什麼公車一次來三班?

Floral Origami Globes

概率萬花筒 蕭文強.林建合著

Entertaining Mathematical Puzzles

毛起來說 e

神奇的 π 圖解數學辭典

Origami for Beginners

Advanced Physics for You (Nelson Thornes)

無所不在的磁 粒子磁矩與固體磁性

Calculations for A-level Physics (Calculations For A Level Physics)

Great Experiments in Physics: Firsthand Accounts from Galileo to Einstein

Head First Physics: A Learner's Companion to Mechanics & Practical Phy

Taking Chances, Winning with Probability – Probability in diff. Situations

Multimodular Origami Polyhedra: Archimedeans, Buckyballs and Duality

How to Lie With Statistics – How to be fooled by figures & charts?

Math Smart!: Over 220 Ready-to-Use Activities to Challenge S.

Probability guide to gambling: The Maths of gambling in casino

數字的祕密生命:頂尖數學家如何工作和思考的 50 則有趣故事

Algebra Teacher's Act. Kit: 150 Ready-to-Use Act. With Application

Unit Origami; Multidimensional Transformations

Mathemagic: Magic, Puzzles and Games with Numbers

Geometry Teacher's Act. Kit: Ready-to-Use Lessons & WS for G. 6-12

Maths Books

地球不見了,月亮會知道?91個無窮宇宙中的神奇奧祕

Landmark Experiments in Twentieth Century Physics

Hands-On Math Projects With Real-Life Applications

圖解物理辭典

80	90
210	230
450	500
370	400
80	90
190	210
580	610
100	110
80	90
180	200
190	210
280	300
70	80
90	100
90	100
70	80
80	90
300	320
240	260
150	170
150	170
150	170
100	120
200	220
170	190
110	130
280	310
280	310
270	300
210	230
90	100
90	100
90	100
200	220
210	230
280	310

150

70

70

190

80

170

80

80

200

90

M30	Origami Flowers	100	110
M31	統計你贏的機率	110	130
M32	別讓統計數學騙了你	90	100
M34	一條線有多長?生活中意想不到的 116 個數學謎題	90	100
M35	統計, 讓數字說話	110	120
M37	你不能不懂的統計常識	70	80
M38	別讓統計圖表號弄你	140	160
M39	加機統計圖 冬%升四 My Best Mathematical and Logic Puzzles (Math & Logic Puzzles)	110	120
M40	The Moscow Puzzles: 359 Maths Recreations (Math & Logic)	170	190
M41	Struck by Lightning: The Curious World of Probabilities	200	220
M42	Mathemagic Magic Puzzles Games	90	100
M43	Mathematical Brain Benders	110	130
M44	Dr. Euler's Fabulous Formula: Cures Many Mathematical Ills	270	290
M45	An Imaginary Tale: The Story of "i" [the square root of minus one]	180	200
M46	Real World Algebra	330	360
M47	溫柔數學史-從古埃及到超級電腦	110	120
M48	人間處處有數學	70	80
M49A	茶水間的數學	80	90
M49B	茶水間的數學思考	140	160
M50	用看的學數學	90	100
M51	世界第一簡單統計學	90	100
M52	愛上幾何	80	90
M53	Amusements in Mathematics	230	250
M54	Entertaining Mathematical Teasers and How to Solve Them	120	130
M55	漫畫微積分入門:輕鬆學習、快樂理解微積分的第一本書	90	100
M56	Randomness	190	210
M57	從旅遊 學數學	80	90
M58	數學大騷動:在意想不到的地方發現數學	90	100
M59	零的故事:動搖哲學、科學、數學及宗教的概念	90	100
M60	數學隨筆	80	90
M61	如何用數字唬人-用常識看穿無所不在的數字陷阱	90	100
M62	An Adventurer Guide to Number Theory	170	190
M63	Chance, Luck, and Statistics	240	260
M64	Dr. Math Introduces Geometry: Learning Geometry is Easy!	180	200
	Project Competition / Expt resource books For Physics, Chemistry, Biology,	.s.	
E11	Fizz Factors-50 Amazing expts with Soda Pop	180	200
E17	39 Dazzling Experiments with Dry Ice	150	170
	Pure Slime: 50 Incredible Ways to Make Slime	150	170
	專案式學習手冊 (Project based learning handbook)	240	260
	The Complete Handbook of Sci. Fair Proj – Guide books w/ 50 e.g.	150	170
	Janice VanCleave's A+ Sci. Fair Projects – Guide bk + e.g.	150	170
	How to Make Your Science Project Scientific – guide book for project	150	170
	So You Have to Do a Science Fair Proj. – All-in-one resource	180	200
	Family Science – more than 200 safe, easy sci. activities	180	200

E9	Sci. projects for young people – Guide books for junior forms	100	110
E10	Sci. research expts for young people – Guide books for junior forms	100	110
E12	365 Simple Science Expts with Everyday Materials	150	170
E13	365 More Simple Science Expts with Everyday Materials	150	170
E14	Science Magic Tricks	100	120
E15	Fun with Science: 46 Entertaining Demonstrations	140	160
E16	Sci Expts and Amusements for Children – 73 easy & safe expts	100	120
E21	Science Fair Handbook: The Complete Guide For Teachers	180	200
	-	130	150
E22	100 Amazing First-Prize Science Fair Projects		
E22B	100 Amazing Make-It-Yourself Science Fair Project	130	150 150
E22C	Blue Ribbon Science Fair Projects	130	200
E25	The McGraw-Hill Big Book of Science Activities	20	30
E27	只需 100 秒, 趣味科學比賽 '94		
E28	Rocket Science	150	170
E29	SPY Science	150	170
E30	Magic Science	150	170 170
E33	Sneakiest uses for everyday things	150	160
E34 E35	The Everything Kids Science Experiments Book	200	220
	搞鬼玩科學-204個自然與生活科技實驗		
E38	Entertaining Science Expts with Everyday Object	100	110
E39	Kids Inventing!: A Handbook for Young Inventors	150 70	170
E40A	No-Sweat Science®:- Amazing Science Expts / Chem / Phy / Super Sci. Expt / Nature Expt / Earth Science / Space & flight / Simple expt./Optical illusion	/0	80
E41	Forbidden LEGO: Build the Models [Illustrated]	230	250
E42	Little Giant Book Science Facts / Science Experiments	80	90
E44	Championship Science Fair Projects	100	120
E45	First Science Experiments Nifty Nature / Super Senses / Mighty	60	70
E46	First Place Science Fair Projects	250	270
E47	Hands-On Physical Science Activities For Grades K-6, Second Edition	310	330
E48	Hands-On Physical Science (Hands-On)	240	260
E49	The Sourcebook for Teaching Sci., Grades 6-12: Strategies, Act& Resources	300	320
E50	Prize-Winning Science Fair Projects for Curious Kids	210	230
E51	Hands-On Gen Science Activities With Real-Life Apps & Acts for G. 5-12	310	330
E52	Amazing Rubber Band Cars: Easy-to-Build Wind-Up Racers, Models,& Toy	180	200
3.4	(JV) Janice VanCleave's Project & Activity Books	_	A PAGE AND
B3	J.V's A+ projects in biology – Guide bks + e.g.	150	170
B3A	J.V's Biology For Every Kid: 101 Easy Expts That Work	150	170
B3B	J.V's Ecology for Every Kid: Easy Act. that Make Learning Sci. Fun	150	170
20	J. V's Food and Nutrition for Every Kid	150	170
B3C	J.V's The Human Body for Every Kid: Easy Act. that Fun	150	170
2G	J.V.'s A+ projects in Chem. – Guide bk + e.g.	150	170
2J	J. V's Chem for Every Kid: 101 Easy Expts that Really Work	150	170
P5	J.V's A+ projects in physics – Guide + e.g.	150	170
P26	J.V's Physics for Kid: 101 Expts in Motion, Heat, Light, Machine, Sound	150	170
P28	J. V's 202 Oozing, Bubbling, Dripping, and Bouncing Expts	180	200

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E19	J. V's Super Science Models	180	200
E20	J. V's A+ Science Fair WB & Project Journal, G. 7-12	230	250
E31	J. V's Guide to the Best Science Fair Projects	150	170
E23	J. V's Guide to More of the Best Science Fair Projects	180	200
E24	J. V's Science Around the Year	180	200
E26	J. V's Earth Sci. for Every Kid: 101 Easy Expts that Really Work	150	170
P27	J. V's 203 Icy, Freezing, Frosty, Cool, and Wild Expts	180	200
JV18	J. V's Engineering for Every Kid: Easy Act. That Make Learning Sci. Fun	150	170
JV19	J. V's Earth Science for Every Kid: 101 Easy Experiments that Really Work	150	170
JV20	J. V's Energy for Every Kid: Easy Activities That Make Learning Sci. Fun	150	170
JV21	J. V's Math for Every Kid: Easy Activities that Make Learning Math Fun	150	170
JV22	J. V's Geometry for Every Kid: Easy Act. That Make Learning Fun	150	170
JV23	J.V.'s Machines: Mind-boggling Expts You Can Turn Into Sci. Fair Projects	150	170
	Crime Scene Investigation Series	1 200	
CS1	Crime Scene Investigations: Real-Life Sci. Labs for the Elementary Grades	290	310
CS2	Crime Scene Investigations: Real-Life Sci. Labs For Grade 6-12 (Book 2)	290	310
CS4	Detective Science: 40 Crime-Solving, Case-Breaking Activities for Kids	130	150
CS5	The Forensic Casebook: The Science of Crime Scene Investigation	170	i90
CS6	Science Sleuths: 88 Act. To Develop Sci. Inquiry & Critical Thinking Skills	290	310
CS7	Partners in Crime: Integrating Language Arts and Forensic Sci.(w/ note+WS)	270	290
CS8	Crime Science: Methods of Forensic Detection – Apply sci. on crime.	260	280
CS9	Crime Scene: Ultimate Guide to Forensic Science-simple & detail(Coloured)	190	210
CS10	The Casebook of Forensic Detection: How Science Solved 100 Crimes	170	190
CS11	Forensics the Easy Way – with qn + ans	190	210
CS12	Forensics DeMYSTiFielD: A Self-Teaching Guide	230	250
CS13	Crime Scene Science Fair Project	210	230
CS14	The Encyclopedia of Crime Scene Investigation	220	240
CS15	Blood and DNA Evidence: Crime-Solving Science Expts	210	230
CS16	Crime Scene-From Fingerprints to DNA Testing – the real world of CSI	180	200
CS17	CSI Expert!: Forensic Science for Kids	210	230
CS18	Hidden Evidence- 40 true crimes & how forensic science helped solve them	190	210
	Science Reading / Reference for Teachers and students	50	60
R7A	Science Newspaper cutting 2009 (中文版)	50	60
R9	Cradle to Cradle: Remaking the Way We Make Things	220	240
R10	Green Living: The E Magazine for Living Lightly on the Earth	170	190
R15	Guns, Germs, and Steel: The Fates of Human Societies.	200 120	220 140
R15C	槍炮、病菌與鋼鐵:人類社會的命運-98年獲普利茲獎及英國科普書獎		300
R17	Nanotechnology: A Gentle Introduction to the next big idea	280	280
R18	Nanotechnology: Science, Innovation, and Opportunity	260	280
R19	Nanofuture: What's Next For Nanotechnology	260	250
R20	Beer – Tap Into the Art and Science of Brewing	90	110
R21C	鮭魚先生,你好色!	600	650
R22A	觀念化學(I-V); 原子,化學鍵·分子,化學反應,生活中的化學,環境化學	90	100
R23	圖解光觸媒		
R24	圖解生活化學世界	90	100
R25	圖解塑膠新世界	90	100

R26	恐怖的食品添加物	90	100
R27	What Einstein Told His Barber; More Sci Ans to Everyday Qns	180	200
R28	What Einstein Didn't Know: Scientific Ans to Everyday Qns	180	200
R28C	蟋蟀先生,今天氣溫幾度?	100	110
R29	What Einstein Told His Cook: Kitchen Science Explained	250	270
R30	What Einstein Told His Cook 2: Further Adventures in Kitchen Science	250	270
R30C	乳酸菌,你們還活著嗎?	100	110
R31	Scientific American's Ask Experts: Ans to Puzzling & Mind-Blowing Qus	180	200
R32	When a Gene Makes You Smell Like a Fish: and Other Tales about Genes	260	280
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R41B	你不知道的電影科學 牛打嗝會造成暖化嗎?	80	90
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R45	圖解資源回收與再生利用	60	70
R46	第四級病毒	60	70
R47	解開成語中的科學密碼	90	100
R48	用心飲食 食物就是力量、吃可以改變世界	120	140
R49	流行病 [精裝]	110	120
R50	抗生素的迷思	110	120
R51	輕觀念科學圖本	70	80
R52		110	120
	無毒生活	80	90
R53	假如人像魚一樣長出鰓,會怎樣?75個最異想天開的問題	90	
R54	世界只有方糖那麼人		100
R55	蔬果會發電!科學家沒有告訴我們的 89 個日常生活謎題	90	100
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R57	Perplexing Puzzles and Tantalizing Teasers	150	170
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R59	牛奶,謊言與內幕	100	120
R60	速食的恐怖真相	70	80
R61	產氫與儲氫技術	130	150
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R62 R63	企鹅腳為什麼不結冰	80	
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	Science 環境科學, Inside Earth	地球内部,	Sound &	Light 聲分	K		
R68	森林人滅絕					70	80
R69	2006 Complete Guide to Nanote	chnology -	Nanomat	erials, Na	nobots, Nanobiotech,	280	300
	Nanotubes CD-ROM						
R70	Why a Curveball Curves: The Ir	icredible Sc	ience of S	Sports		200	220
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R72	化妝品成分指南					150	170
R73	圖解科學史		.,,,	,,	/-	100	110
R74	Do It Yourself Guide to Biodies				see stands	180	200 90
R75	不可思議科學實驗室-地球科學	別化學篇/分	宇宙篇/物	埋扁/生物	7篇 (日本)	80 90	100
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R77	第一次觀星就上手				A. A	90	100
R78	角豆莢偷走了巧克力?:60堂	的重要	的化學課			90	100
R79	飛行的奧祕					290	310
R80	地球相簿:劇變的一百年					410	440
R81	The Sun: 你從來沒見過的太阳	易			nors-	200	220
R82	圖解太空船				2000	100	110
P8	NOVA; Einstein's Big Idea (DV					350	380
1, 1, 1		on Guide to		` 0		75,114.5	
N4A	Cartoon Guide to Chem	160	180	C4A	看漫畫,學化學	100	110
N4B	Cartoon Guide to Physics	160	180	C4B	看漫畫,學物理	100	110
N4C	Cartoon Guide to Genetics	160	180	C4C	看漫畫,學遺傳	100	110
N4D	Cartoon Guide to the Env.	160	180	C4D	看漫畫,學環保	100	110
N4E	Cartoon Guide to Statistics	160	180	C4E	看漫畫,學統計	100	110
N4F	Cartoon Guide to Sex	160	180	C4F	看漫畫,學 SEX	100	110
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L7							
L8	天體觀測圖鑑						120 80
L8A	宇宙之美盡在哈伯						
L9	天體觀測圖鑑					110	120
L10	最後的哈伯望遠鏡					110	120
LII	不可思議的科學實驗室宇宙篇					80	90
L12S	Illustrated Dictionary of Science					290	310
L12	Illustrated Dictionary of Biolog	y / Physics /	Chemist	гу		180	200

114	Biology and Life Science					
D1	Nova – Cracking the Code of Life -120 mins	250	270			
D2	National Geographic - The Incredible Human Body-60 mins	270	290			
D3A	Nova – The Miracle of Life -60 mins	250	270			
D3	Nova Digital Field Trip – Inside the Human Body (The Miracle of Life / The Universe Within / Cracking the Code of Life) – 240 mins	550	600			

D3B	Nova –The Universe Within -60 mins	250	270
D4	Nova – Evolution Set (4 DVDs) – 8 hrs, What About God, Why Sex, Darwin's Dangerous Idea, Extinction, Great Transformations, Evolutionary Arms Race, Mind's Big Bang	750	800
D4A	Nova – Evolution Set Each title	280	300
D30	National Geographic – Inside the Living Body [DVD]	230	250
D10	Nova-Origins – 240 mins – the birth of the universe, solar system & Earth	330	360
D12	National Geographic-In the Womb SET (3 DVD) – 280 mins – In the womb, Multiples, Animals - Use 4-D sonograms to create foetus developing.	650	750
D12A	National Geographic – In the Womb (100 mins)	250	270
D12B	National Geographic: In the Womb – Multiples (90mins)	250	270
D12C	National Geographic: In the Womb – Animals (90 mins)	250	270
D16	BBC Planet Earth - Box Set (2007) (550 mins) - 11-part: From Pole to Pole, Mountains, Fresh Water, Caves, Deserts, Ice Worlds, Great Plains, Jungles, Shallow Seas, Seasonal Forests, Ocean Deep	550	630
D18	NOVA: Mystery of Senses (2007) (276 mins) – Hearing, taste, vision, touch & smell	600	650
D18A	NOVA: Mystery of the Senses – (~56 mins) each	250	270
D17	NOVA: Epidemic - Ebola, AIDS, Bird Flu and Typhoid (2007) (4 discs, 225 mins) - Ebola The Plague Fighters; Surviving AIDS, Typhoid Mary, The Most Dangerous Woman in America; and Rx for Survival-Bird Flu.	570	620
D23	Unlocking the Mysterious of Life – DNA (中英文字幕)	80	90
D27	National Geographic-Incredible Human Machine [DVD]	250	270
New	National Geographic: In the Womb - Cats & Dogs	250	270
New	National Geographic: In the Womb - Identical Twins (2008)	250	270
New	Nova - Ghost in Your Genes	300	330
New	National Geographic: Really Wild Animals - Totally Tropical Rain Forest	250	270
New	National Geographic: The Human Family Tree	250	270
New	NOVA: Cuttlefish - Kings of Camouflage	250	270
New	National Geographic: The Wildlife Collection	380	440
	Physics and Astronomy		
D5	Nova - The Elegant Universe – 180 mins. The story of the String Theory	250	270
D5A	NOVA-The Elegant Universe and Beyond (412mins) – also include Einstein's Big Idea & Einstein Revealed	440	470
D8	Nova – Search for Safe Cigarette (60 mins)-Story of the low-risk cigarette	250	270
D14	The Race to the Moon (232 minutes)	340	360
D15	NOVA - To the Moon (120 minutes)	250	270
D22	Privilaged Planet 恩寵之星 about the Earth (中英文字幕)	80	90
P8	NOVA: Einstein's Big Idea (DVD) + E=mc2: A Biography of E=mc2	350	380
New	In the Shadow of the Moon	250	270
New	When We Left Earth - The NASA Missions (4-Disc Set)	450	500
New	National Geographic: Journey to the Edge of the Universe	250	270
New	NOVA - The Stars: Supernovas, The Big Bang and More	500	550
New	NOVA: Runaway Universe	250	270
micTiff.	Liberal Studies, General Science and Other		

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	Who Killed the Electric Car? (91 mins) - Investigate the birth and death of the electric car, renewable energy and sustainable living.	250	270	
D24	NOVA - World in the Balance: The Population Paradox (120mins)—Population rises, birth rates decrease and population is aging, China's booming economy and its impact on the environment, human's future, etc.	270	290	
D9	Nova - Dying to Be Thin (60 mins)-Thin=beautiful=healthy=eating disorder?	250	270	
D26	Thin - The HBO documentary offers insight into why anyone would sacrifice her health for the pursuit of unrealistic body perfection.			
D11	Accidental Inventions (84mins) – Teflon, Cellophane, Dynamite, Anesthesia, Velcro, Superglue, Matches, Fingerprint Fuming, Microwave, Post-It, Steel	260	280	
D13	Guns, Germs, and Steel	330	350	
D19	NOVA: Newton's Dark Secrets (2006) (56 minutes) – The secret of Newton in searching hidden meanings in the Bible & alchemy and more.	250	270	
D20	National Geographic: The Nature Collection - (6 discs, 373 mins) - Volcano SuperCroc, Tigers of the Snow,: Nature's Inferno, Asteroids: Deadly Impact, Surviving Everest, and Dinosaur Hunters: Secrets of The Gobi Desert	500	550	
D25A	Discovery-科學史上 100 個發現(1)中文字幕 Earth Sciences, Astronomy, Physics	80	90	
	Discovery-科學史上 100 個發現(2) 中文字幕 Bio, Medicine, Genetics, Chemistry	90	100	
D28	NOVA – Absolute Zero	280	200	
D29	National Geographic: Six Degrees Could Change the World [DVD]	220	240	
LS19	National Geographic: Human Footprint [DVD]	250	270	
LS20	NOVA: Solar Energy – Saved by the Sun [DVD]	250	270	
LS21	TRASHED [DVD]	270	290	
New	The 11th Hour (2007)	250	270	
New	NOVA - Genius: The Science of Einstein, Newton, Darwin, and Galileo	470	520	
New	National Geographic - Amazing Planet	330	360	
New	Inventions That Changed Our Lives - Inventions & Innovations	250	270	
New	National Geographic: World's Most Dangerous Drug	250	270	
New	National Geographic - Mega Structures Collection	330	360	
New	National Geographic - Diamonds of War: Africa's Blood Diamonds	250	270	

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Blood (F)

Human Genome \$230/\$250

	20								
Dinos	aurs	Pterosaurs	Ocean life	Dogs	Cats	Fish	Sea fi	sh	Horse
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A2C A3 Periodic Table x 10 - Density + e config. + b.p. + m.p.						\$130	\$150		
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	Small x 20pcs							\$100	\$110
A3A								\$130	\$150
						A3 size		\$180	\$200
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DNA Poster Set with kits	The Atom Chartlet	Respiration & Photosynthesi s\$320/\$350	Insect Classification	Solar System (C) 220 / 240	Voya ger Odyssey	Solar System (A)
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ME15

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ME14

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A76A	•	\$30	\$40					
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A104	The Parado	170	190					
A74D	Power Race	90	100					
A105	Motor Fan	\$130	\$150					
A108	筋斗丸(一	包 6 粒) – teaching ine	ertia		20	30		
		Scien	ce Kit with manuals		\$280	\$300		
A69.	Energy Wiz	z Kit - Build a solar ra	cer, capacitor car, chem	ical cells, a flywheel g	generator.			
A71.	Perfumery	Science Kit - Contain	ns 5 different perfumes,	kits and science guide	•>			
A72.	Rockets Pr	oject Kit – Build a CO	02 rocket, force & motion	on expt., multi-stage ro	ocket.			
A73.			it - making telescope, pe					

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A92	Magnetism Project Kit - Make a magnetic racing car, electromagnetic train & more				
A92A	Motion Kit – Force and Motion, action and reaction				
A93	DNA Wizard Kit - Extract DNA from a fruit, build a DNA ladder, Grow pet bacteria	and more			
A110	ScienceWiz Inventions Kit				
	4M Small Science Kit	\$100	\$110		
A17	Cosmic (CO2)Rocket – 用醋和梳打粉發動,設計安全精美,組合容易。				
A18	CO2 volcano - Baking powder and vinegar will make this volcano erupt.				
A58A	Kaleidoscope Making Kit 萬花筒				
A59	Jet Racer – contains 2 balloon cars, ideal to learn action & reaction.				
A59A	Propeller Engines - Make propeller boat & racer, energy change, action-reaction				
A84A	Night Sky Projection Kit – Create starry night sky.	7077010000			
	4M Medium Science Kit	\$120	\$130		
A74A	Windmill Generator Kit – Wind to electricity.				
A74B	Dynamo Torch Kit -Turn a motor to a generator				
A74C	Spinning generator – Spin a disk to produce electricity				
A74D	Power Racer -電動風扇車				
	Solar Science 太陽熱水器 - Build a working solar oven and a solar water heater.				
	Weather Station 氣象測量站 - wind vane, anemometer, thermometer and a greenhouse.				
	Clean Water Science 淨水科學站 - Build water filtration and desalination plant on your table.				
	Windmill Generator 風車發電機 - Build wind generator and learn about renewable energy.				
	Enviro Battery 環保電池 - use natural materials to power a light bulb, a watch & music clip.				
	Dynamo Torch 手搖電筒 - converts hand motion to electric energy and powers a light bulb.				
	Spinning Top Generator 旋轉發電機 - uses electromagnetic induction to light an LED.				
	Magnetism				
A47C	3D Magnetic Field Tube	\$200	\$220		
1.17	Eddy current Tube: Brass Set~27cm	\$160	\$180		
A47	Eddy current Tube: Brass Set~27cm Steel Set~60cm	\$250	\$270		
A47B	Electric hang	\$20	\$30		
A68.	Magnetic Field Viewer – Show magnetic poles	\$10	\$20		
A91	Large electromagnet (made in China)	\$350	\$380		
Α)1	Teaching Models				
A4.	Unit Cell - CaF2, TiO2, hcp, ccp, ZnS, CsCl, NaCl, AlF3, bcc	@\$90	@\$1		
	8 8		0		
	Energy Conversion / Alternative Energy	0110	01.0		
A14	Fruit Clock 水果電子錶 –Wrist watch Style – LED 指示燈+蜂鳴器。	\$140	\$160		
A15A	Mud Clock - Zn and Cu can power the clock, large clock display	\$100	\$120		
A22.	Radiometer 光動儀 – Light to mechanical energy.	\$140	\$160		
A54	Fire Syringe Demo – Compression to heat energy	\$260	\$280		
A107	Blowing Mini-dynamo 口吹風力發電	100	110		
	Fuel Cell kit				
A27	Thomes & Kosmos Fuel Cell Car kit	\$1700	\$185		
A29A	Horizon Hydrocar with LED lamps	\$1200	\$130		
4.20D	H2Go – Fuel cell Car kit + remote control + solar panel	\$2100	\$230		
A29B	Power House Expt Kit –70 expts and 20 hands-on projects to study science, energy	\$1600	\$175		

	management and the environment.		
	Science Teaching Kits		
A5A	Moon Sand (0.5lb) – Useful for teaching van der Waals' forces	\$160	\$180
A5.	Magic Sand (Red/blue) hydrophobic & hydrophilic - 0.5lb	\$60	\$70
	1 lb	\$120	\$140
A9.	Fortune Fish 3.5' cellophane fish for science magic 10 pcs	\$20	\$30
	288 pcs/box	\$330	\$360
A10.	Diaper Polymer – It absorbs water 0.51b	\$120	\$140
	1 lb	\$220	\$240
A16.	Thermodynamic Drinking Bird 飲水鳥	\$60	\$70
A19.	CO2 submarine – suitable to show the importance of water to ionize an acid. /	\$30	\$40
	action and reaction, buoyancy,		35
A21.	Organic Fold-A-Matic (30/pk) - Organic compounds naming	\$150	\$170
A23.	Mineral and Gemstones - Si lump/Malachite / Optical Calcite X 1	\$40	\$50
	(CaCO3) / Pyrite / Quartz(SiO2) / Turquoise x 3	\$100	\$120
A24.	Gold sample 金箔- Real gold foil in beautiful bottle.	\$60	\$70
A35	噴水陶公仔(一套四個) – Matter can expand when being heated and contracted	\$20	\$30
	when being cooled.		
A37	Pole Face Magnet 迷你指南針(一套十粒) – Show magnetic field.	\$50	\$60
A52	Fossil Shark Teeth (~400 pcs) – Gift for students in open day	\$450	\$480
A53	Magic Stick – Linear Motion changes into circular motion (3 pcs)	\$20 \$550	\$30
A55.	Mini Alcohol Detector – Detect: 0.00 – 0.12% Alcohol in breath.		\$650
A79	Catalytic Combustor 催化劑燃燒筒— change fuel to water & CO2 w/o fire.	\$550	\$600
A70	Balancing Bird	\$20	\$30
A78	Crystal Kit- Grow tree in 2 hrs, w/ manuals & materials for several trials.	\$60	\$70
A78A	Rubber Latex Kit - Make rubber balls, erasers, rubber stamps and more!	\$60	\$70
A78B	Crystal Garden -Grow a garden & with manual.	\$50	\$60
A78C	Jelly Things Kit- Learn about polymers and gels	\$60	\$70
A78D	Crystal Tree / Grow Eggs- Grow crystals in 2 hours.	\$20	\$30
A78G	Alginate Worm Kit 黏液套具(1L) – Make colorful, worm-like gels	\$300	\$330
A80.	Slope 怪坡- the ball rolls up, not down.	\$150	\$170
A94	Gold Foil Electroscope	\$440	\$480
A95	Compound Bar – bend on heating	\$140	\$160
A96	Switch Balls - Demonstrate act energy, reaction kinetics, isomerism	\$120	\$130
A99	熱電轉換演示儀	\$270	\$290
A103	Super low Melting Point Alloy (m.p. 75oC) 超低熔點合金	\$60	\$70
A121	6-Way Weather Meter: Rain Gauge, Wind direction pointer, Thermometer, Wind speed gauge, Wind Chart, Total Rain Tracker	\$150	\$170
A124	Hand powered torch	\$20	

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