

高雷中學

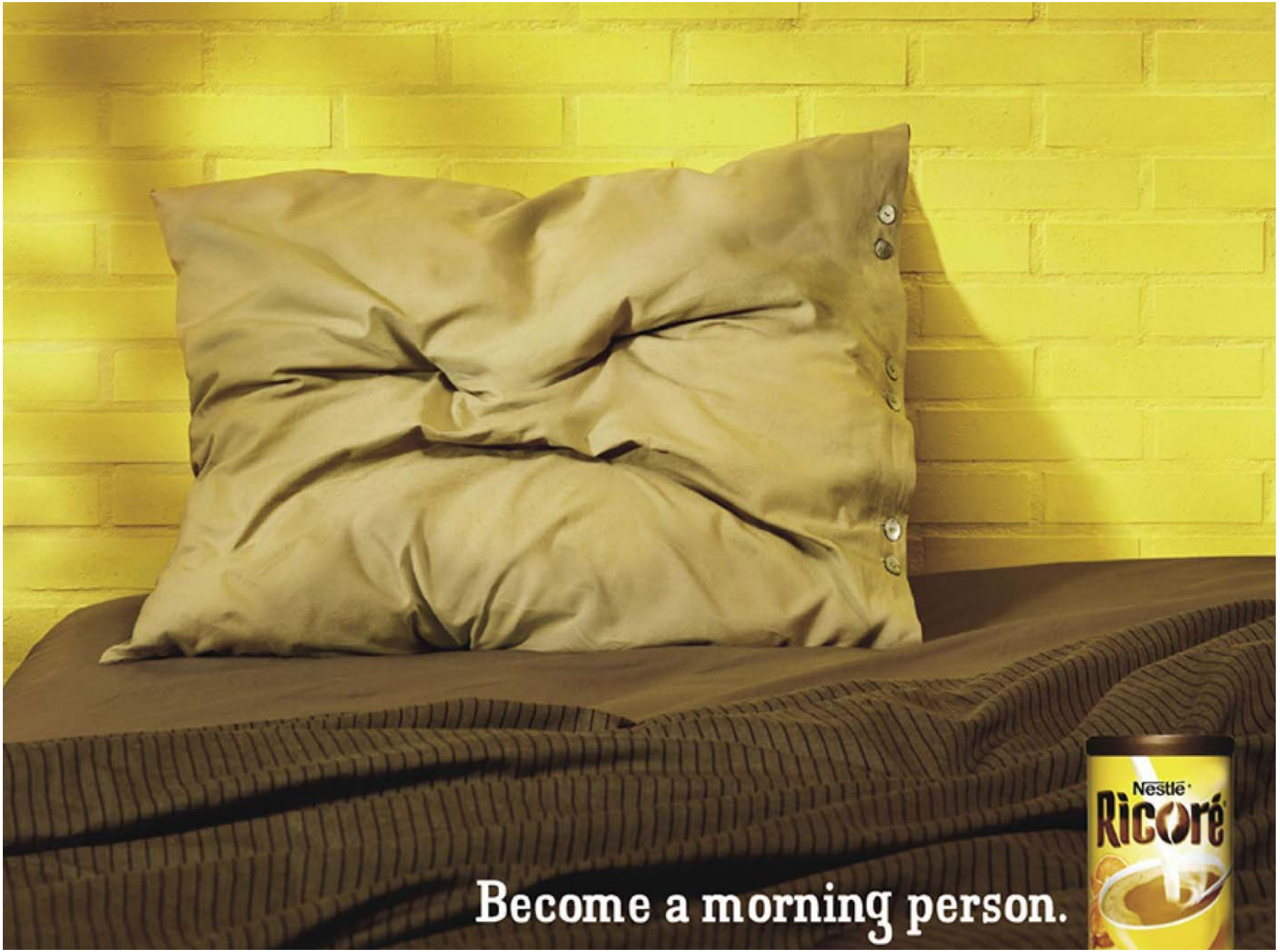
Ko Lui Secondary School

升級再造・你學我教

- 我是王錫清
- 任教設計與科技科二十多年
- 獲英國利物浦大學榮譽學士學位
- 獲理工大學設計碩士學位






Become a morning person.
Nestlé
Ricoré


1ST
1ST
1ST
1ST

分享...



1.Coke-sharing

…可以互相交流。

重新看...



2.Coke-securitycamera

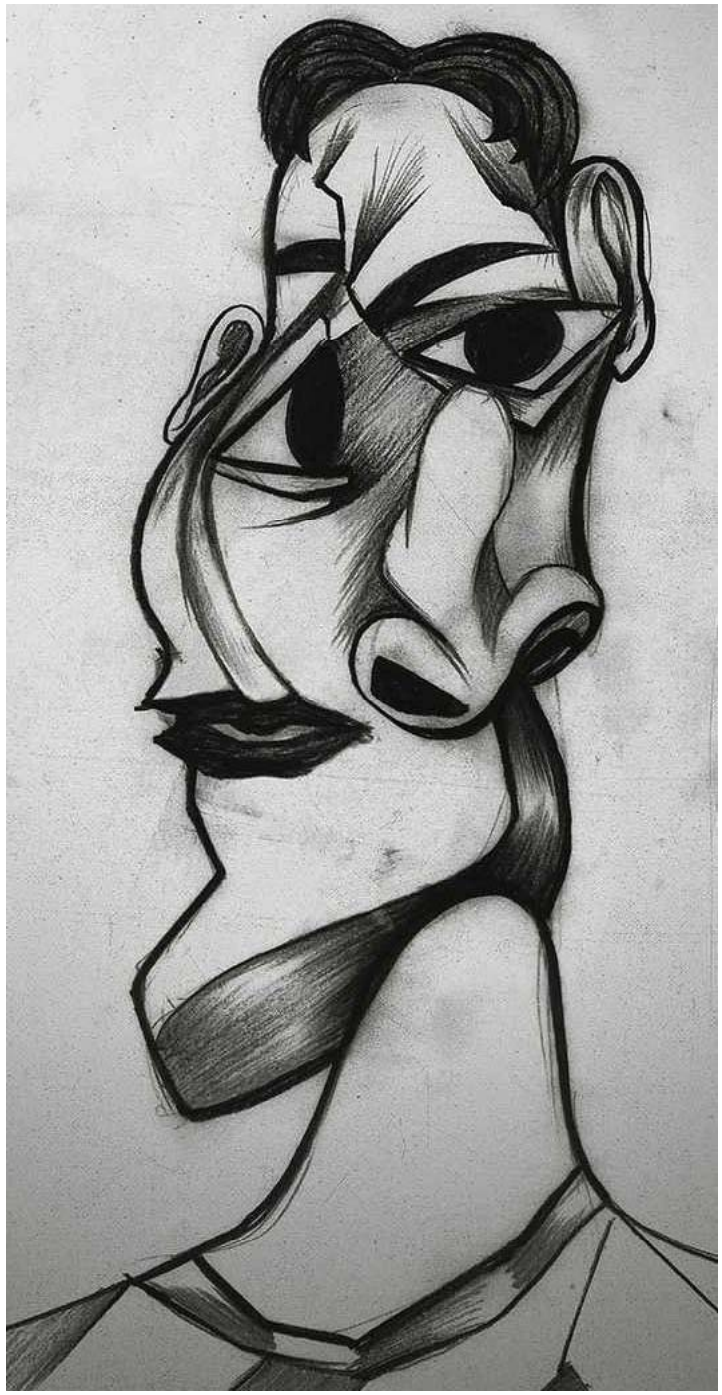
…找到新見解。

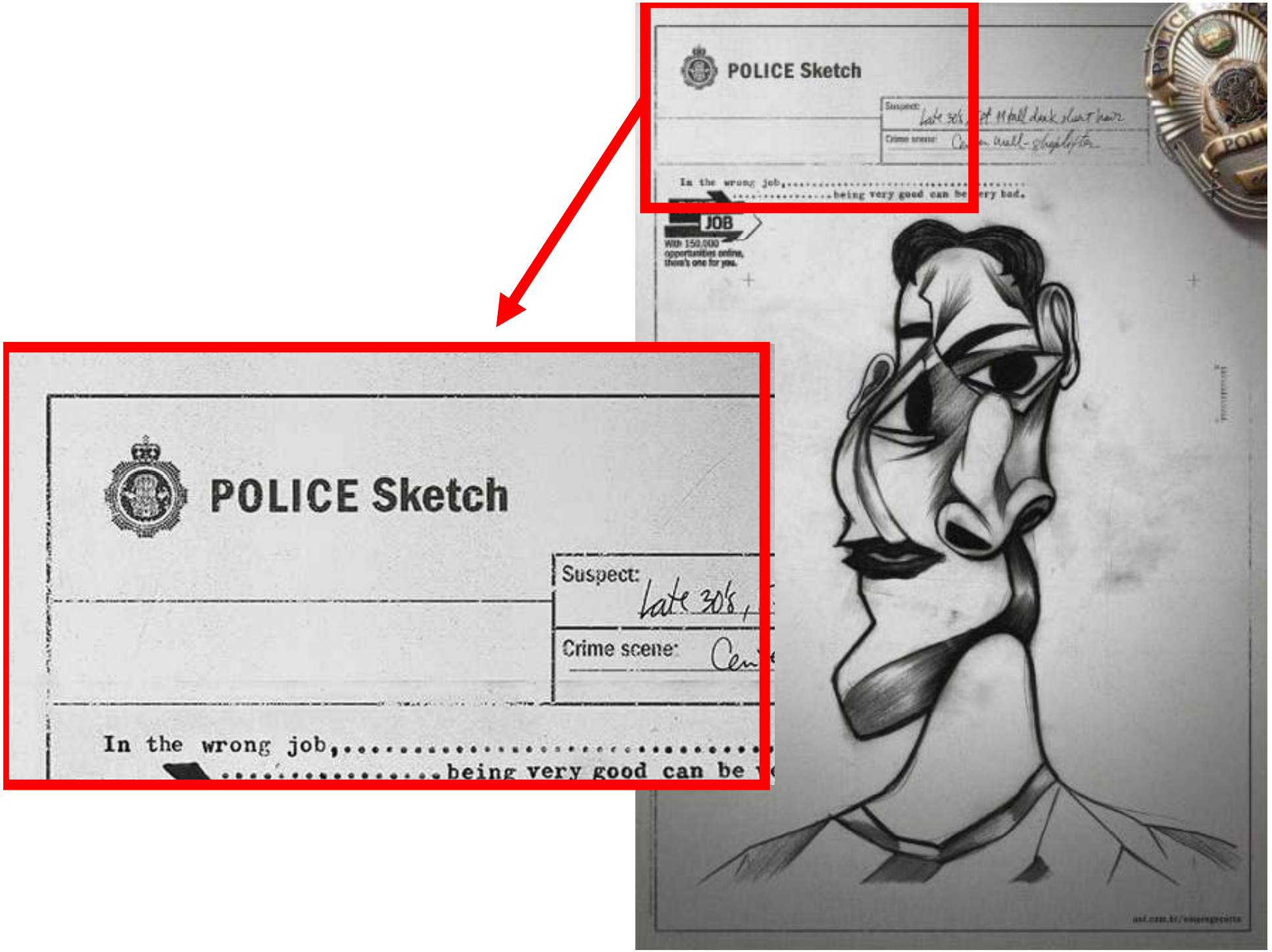
長輩的影響力...

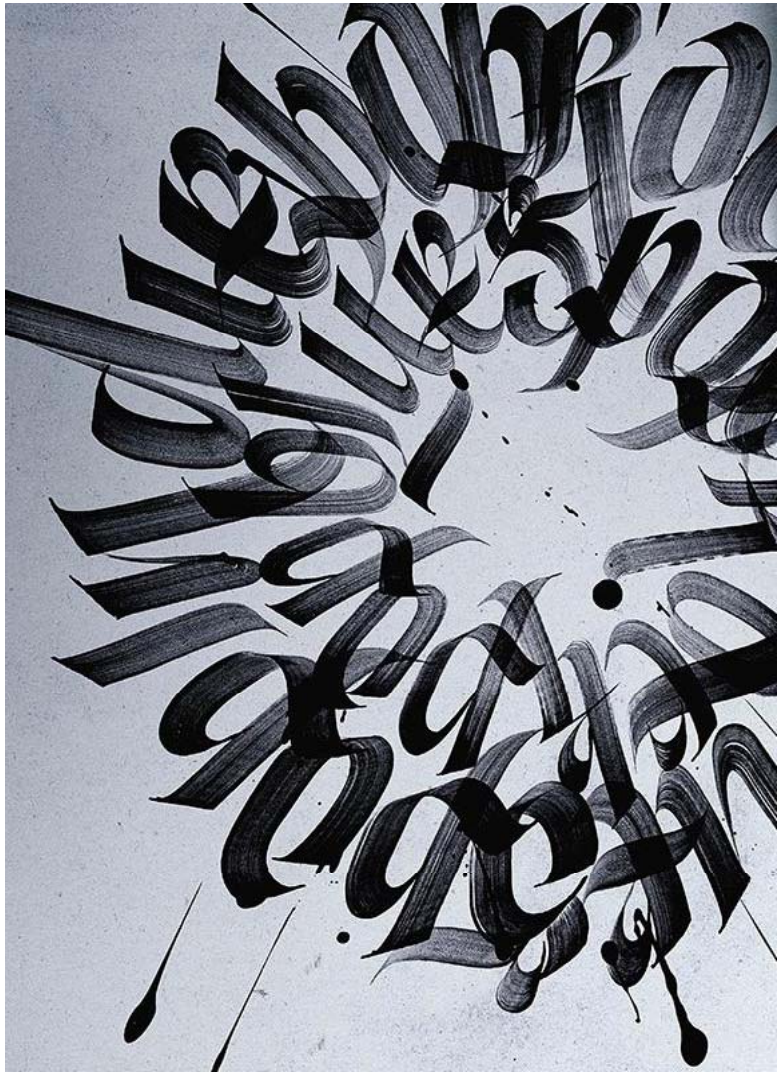


3.Children see

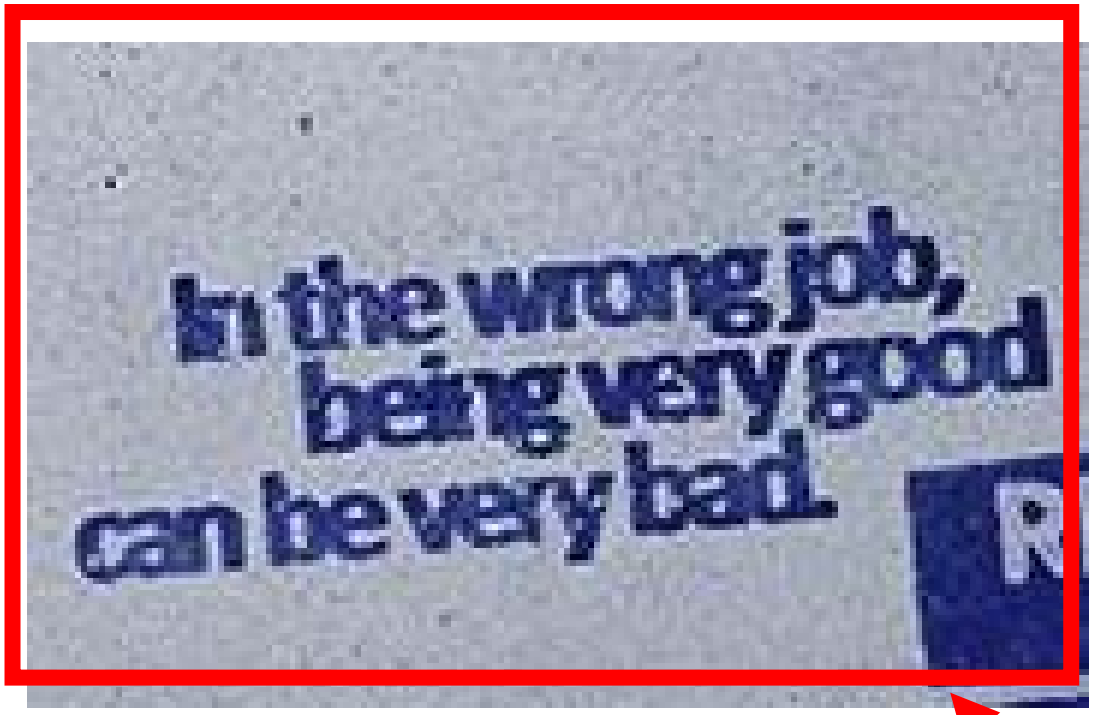
...可以很深遠。

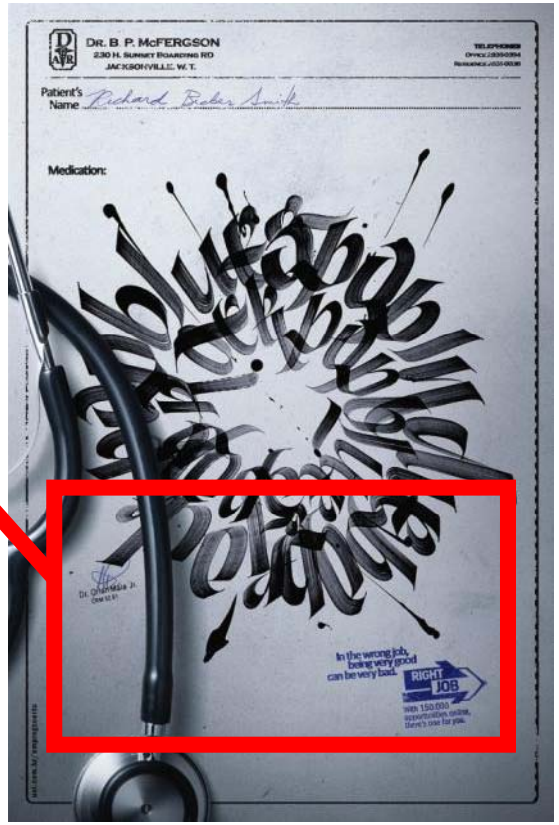



POLICE Sketch
Suspect:
Late 30's
Crime scene:
In the wrong job,
being very good can be
JOB
With 150,000 opportunities online, there's one for you.




Dr. B. P. McFERGSON
230 H. Sunset Boarding RD
JACKSONVILLE. W. T.
Patient's Name Richard Bicker Smith
Medication:
In the wrong job, being very good can be very bad.
RIGHT JOB


In the wrong job,
being very good
can be very bad.


Dr. B. P. McFERGSON
230 H. Surrey Boarding RD
JACKSONVILLE, W. T.
Patient's Name
Medication:
In the wrong job,
being very good
can be very bad.
RIGHT JOB

內容

1. 教學理念 - 「創意先行」
2. 解讀 創意與綠色生活
3. 點睇 綠色設計在校園
4. 一些 「創意教材」分享

1 創意先行

〝繼科技發展後，全球大方向將是「創意」先行〞

(2012年倫敦設計節主席John Sorrell爵士在香港「英國非凡創意周」上說)

未來科技發展...



4.Microsoft

助人的科技...



5.volvo

在重視創意的英國...



6.McDo

…在香港不會發生

大英圖書館(2010)舉行「21 世紀發明展」，選出10年來15個英國「最具啟發性」的發明，雙頭掃帚就是其中一項。

5歲童創雙頭掃帚獲專利

可同時掃大小垃圾 膺最具啓發性發明



▲霍頓用一條橡筋將兩支掃帚綁起，成爲雙頭掃帚，稱聲可將較大垃圾和細小塵粒同時掃去。（網上圖片）

◀霍頓稱，他3歲時看見父親在院子掃落葉，便萌生發明雙頭掃帚的念頭。（網上圖片）

霍頓在5 歲時，憑這發明取得專利，最近還獲大英圖書館選為10 年來「最具啟發性」的發明之一。

擇自：明報 A28寰宇花絮(2010-09-08)

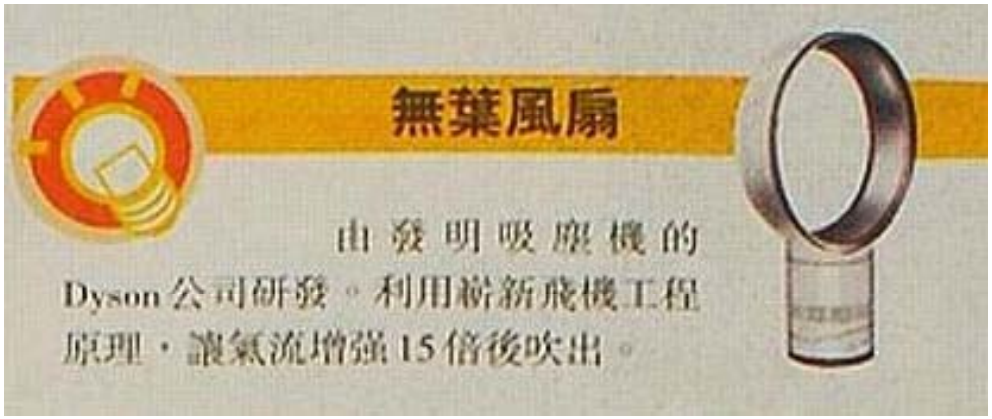


5歲童創雙頭掃帚獲專利

可同時掃大小垃圾 膺最具啓發性發明

無葉風扇

由發明吸塵機的Dyson公司研發，利用尖新飛機工程原理，讓氣流增強15倍後吹出。



無葉風扇

同期獲選具啟發性發明

省錢能源監測器

在連到家中的電箱後，這裝置會向你提供像交通燈般易明信號，監測你全屋的電用量。

海浪發電機

這部使用海浪產生電力的發電機，零運作成本之餘又潔淨環保。發明者指，英國只需購入1.1 萬部這些機就可以滿足全英國用電量，並節省高達75%電費。

培養創意

1. 活用生活中各種事物，
   如**廣告**…
2. 透過課堂活動

廣告...



7.sony-paint

…色彩繽紛

廣告...



8.fantasyKitchen

…啟發創意







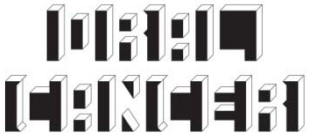
Kill the bugs,
not your pet.





Kill the bugs,
not your pet.

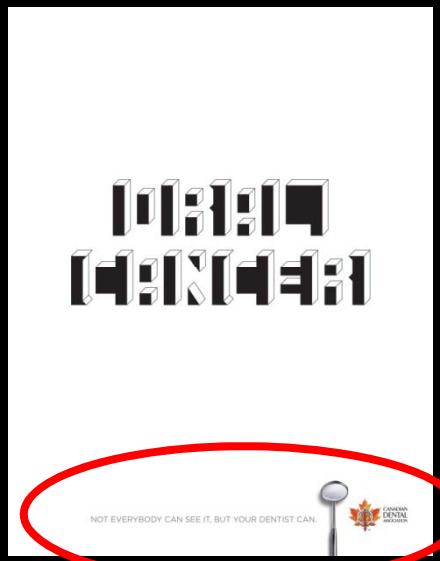





NOT EVERYBODY CAN SEE IT, BUT YOUR DENTIST CAN.
CANADIAN DENTAL ASSOCIATION







NOT EVERYBODY CAN SEE IT, BUT YOUR DENTIST CAN.

CANADIAN DENTAL ASSOCIATION

廣告...



9. Mother day

…感人

廣告...



10. Best job

…令人反思

BREAST IS BEST

www.unicef.org/chinese

unicef



Breastmilk

Water
Carbohydrates
Lactose
Carboxylic acid
Alpha hydroxy acid
Lactic acid
Proteins
Whey protein
Alpha-lactalbumin
HAMLET
Lactoferrin
Casein
Serum albumin

Non-protein nitrogens
Creatine
Creatinine
Urea
Uric acid
Amino Acids
AHA
Linoleic acid
ALA
EPA
Rumenic acids
Oleic acid
Tryptophan

Alanine
Arginine
Aspartate
Clycine
Cystine
Glutamate
Histidine
Isoleucine
Leucine
Lycine
Fats
Trigiycerides
DHA

Palmitoleic acid
Saturated fatty acids
Stearic
Palmitic acid
Lauric acid
Myristic acid
Phospholipids
Methionine
Phenylalanine
Proline
Serine
Taurine
Theronine

Tyrosine
Valine
Carnitine
Nucleotides
Phosphatidylcholine
Tyrosine
Valine
Carnitine
Nucleotides
Phosphatidylcholine
Niacin
Folic acid
Pantothenic acid

Methosterol
Lathosterol
Desmosterol
Triacylglycerol
Cholesterol
7-dehydrocholesterol
Stigma-and campesterol
7-ketocholesterol
Sitosterol
β-lathosterol
Vitamin D metabolites
Steroid hormones
Vitamins

Beta carotene
Thiamine
Riboflavin
Selenium
Choline
Sulpher
Chromium
Cobalt
Fluorine
Oxytocin
Insulin
Corticosterone
Thrombopoietin

Biotin
Minerals
Calcium
Sodium
Potassium
Iron
Zinc
Chloride
Phosphorus
Magnesium
Copper
Manganese
Iodine

Calcitonin
Gastrin
Motilin
Bombesin
Neurotensin
Somatostatin
Hormones
Cortisol
Triiodothyronine
Thyroxine
TSH
TRH
Prolactin

Formula

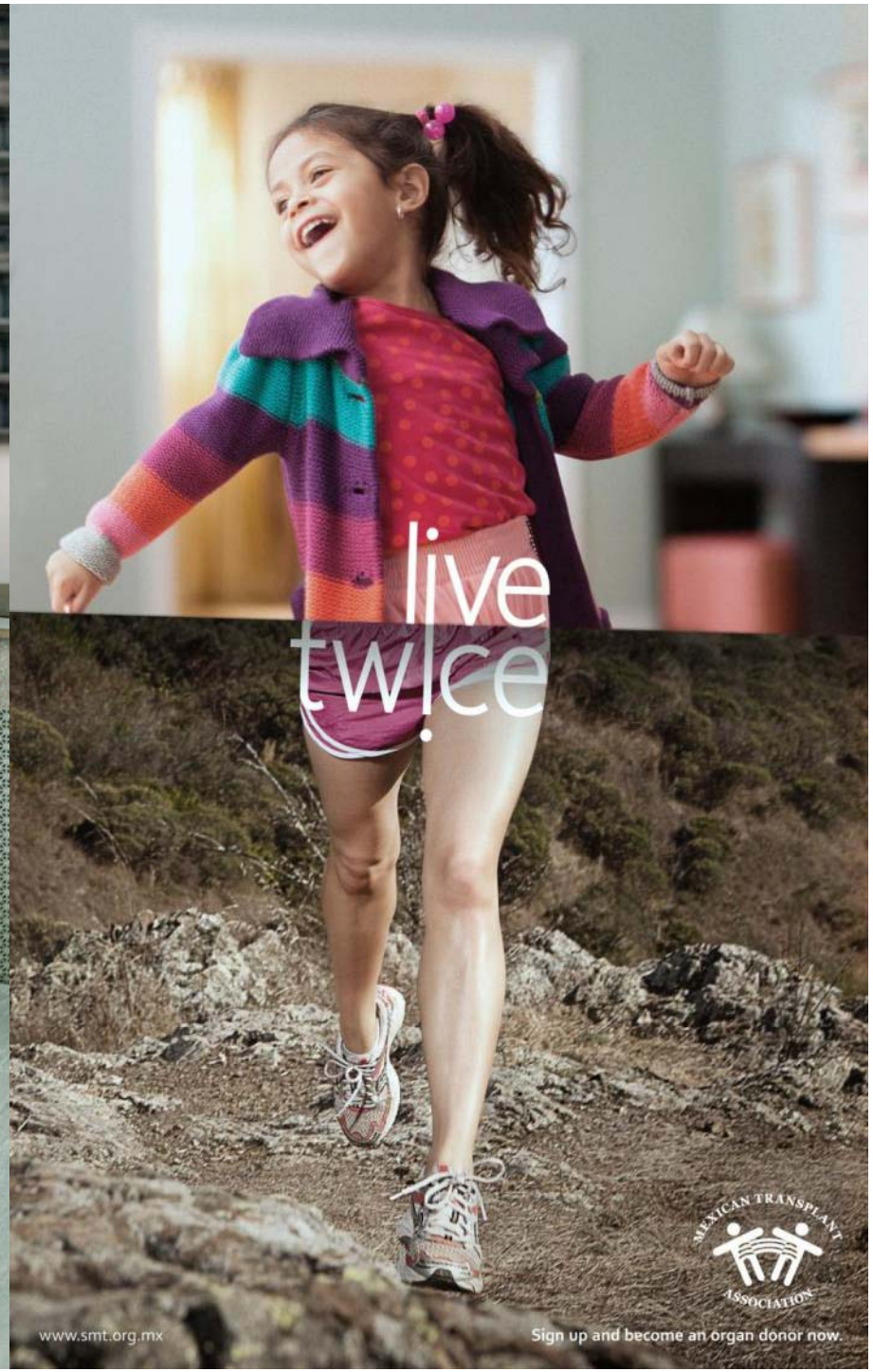
Water
Manganese sulphate
Sodium selenate
Vitamins
Sodium ascorbate
Choline bitartrate
Alpha-Tocopherylacetate
Niacinamide
Calcium pantothenate
Riboflavin
Vitamin A acetate


Table for two.
WOULD YOU EAT HERE?
By law, breastfeeding mothers are not protected from harassment and refusal of service in public, often forcing them to feed in secluded spaces such as public bathrooms. Contact your state and/or local representative to voice your support for public breastfeeding mothers, because a baby should never be nurtured where nature calls.


Private dining.
WOULD YOU EAT HERE?
By law, breastfeeding mothers are not protected from harassment and refusal of service in public, often forcing them to feed in secluded spaces such as public bathrooms. Contact your state and/or local representative to voice your support for public breastfeeding mothers, because a baby should never be nurtured where nature calls.


Bon appétit.
WOULD YOU EAT HERE?
By law, breastfeeding mothers are not protected from harassment and refusal of service in public, often forcing them to feed in secluded spaces such as public bathrooms. Contact your state and/or local representative to voice your support for public breastfeeding mothers, because a baby should never be nurtured where nature calls.


live
twice
MEXICAN TRANSPLANT ASSOCIATION
www.smt.org.mx
Sign up and become an organ donor now.


live
twice
MEXICAN TRANSPLANT ASSOCIATION
www.smt.org.mx
Sign up and become an organ donor now.


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Sign up and become an organ donor now.


LAND SAFE. ALWAYS WEAR A HELMET.
Thai Health Promotion Foundation


100%
GUARANTEED
DEAD
HELMET
Ride safe. Wear a helmet.
Thai Health
Thai Health Promotion Foundation


outside
inside
Child abuse leaves indelible damage within
unicef


outside
inside
Child abuse leaves indelible damage within
unicef

利用廣告作教材的好處

1. 免費
2. 有新意
3. 生活化及實在
4. 可擴闊視野

創意廣告1...



11.PlayWme

創意廣告2...



12.Smart car

創意廣告3...



13.Cokepacking

創意廣告4...



14.IBM

…啟發新思維

發人深醒的廣告 1



15. The girl who couldn't cry

發人深醒的廣告 2



16. Water talks

創意的呼籲

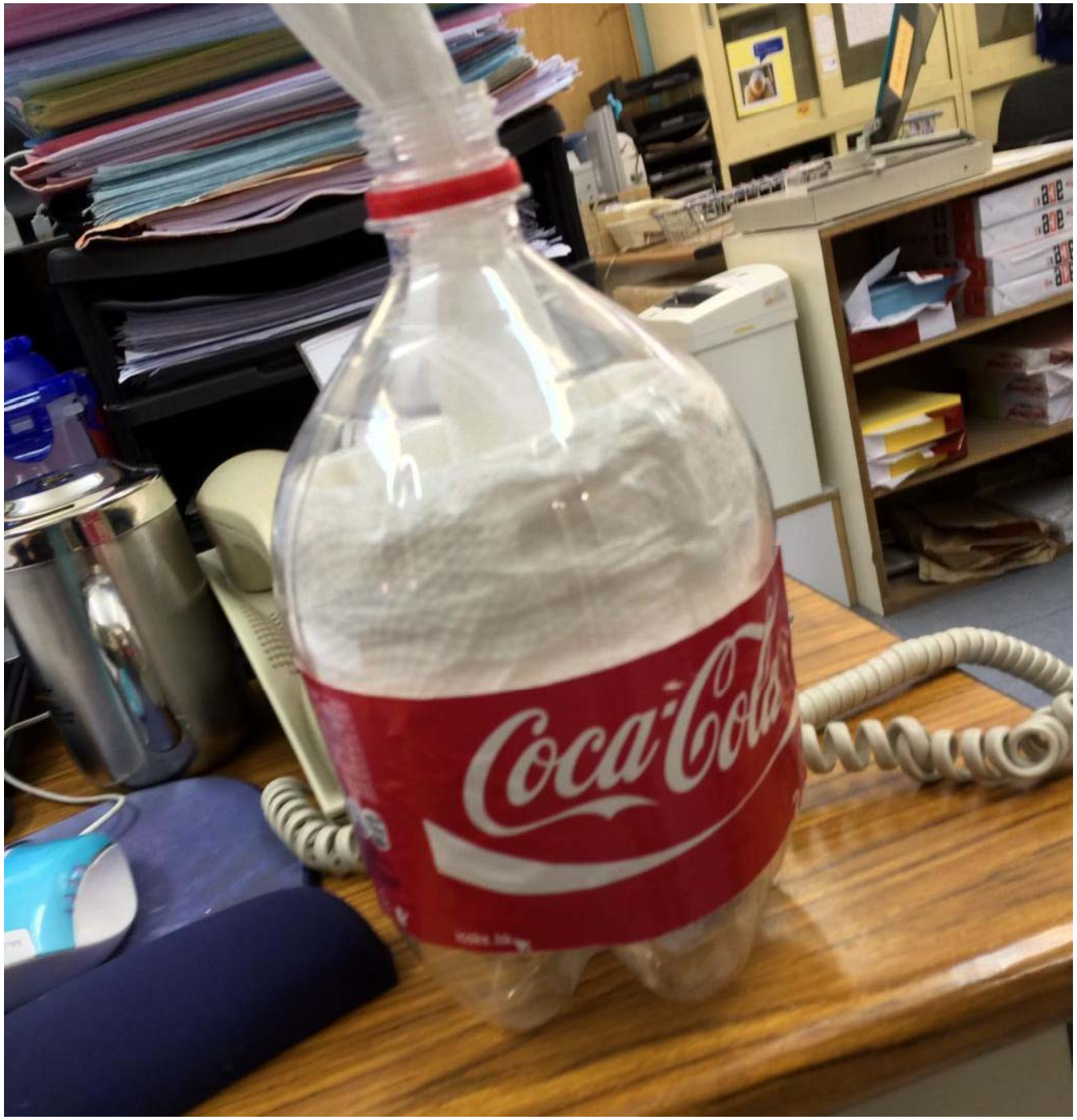


17.naked

…或許可以改變習慣

2 創意與綠色生活


RUBY RED GRAPE
100% FLORIDA
Ruby Red
Grapefruit
Juice
PREMIUM
Florida's
Choice
100% FLORIDA
Ruby Red
Grapefruit Juice
Not From Concentrate
PREMIUM
Florida's
Choice
100% FLORIDA
Ruby Red
Grapefruit
Juice
Not From Concentrate

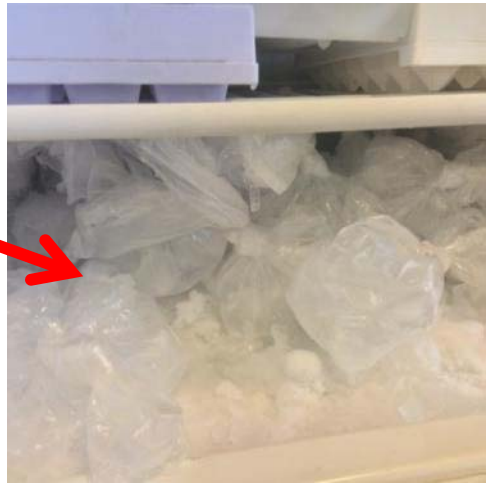

Coca-Cola

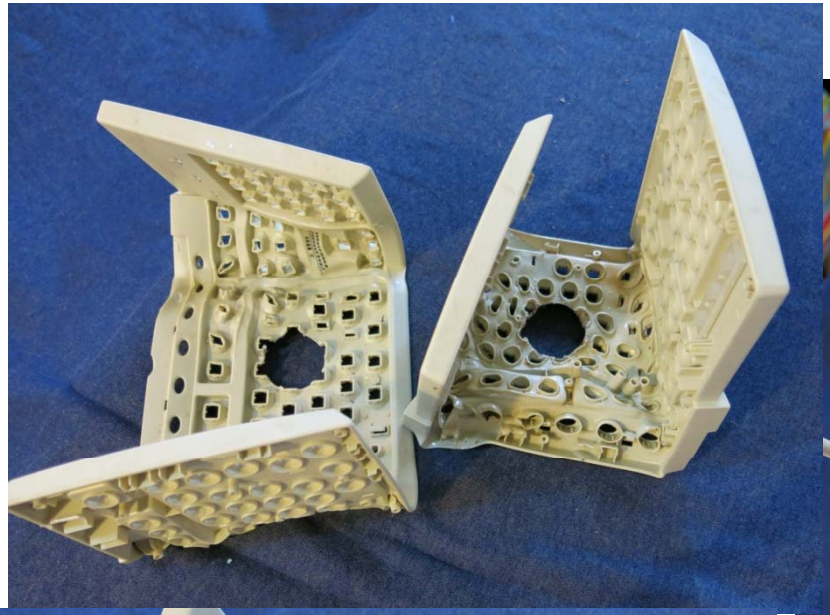


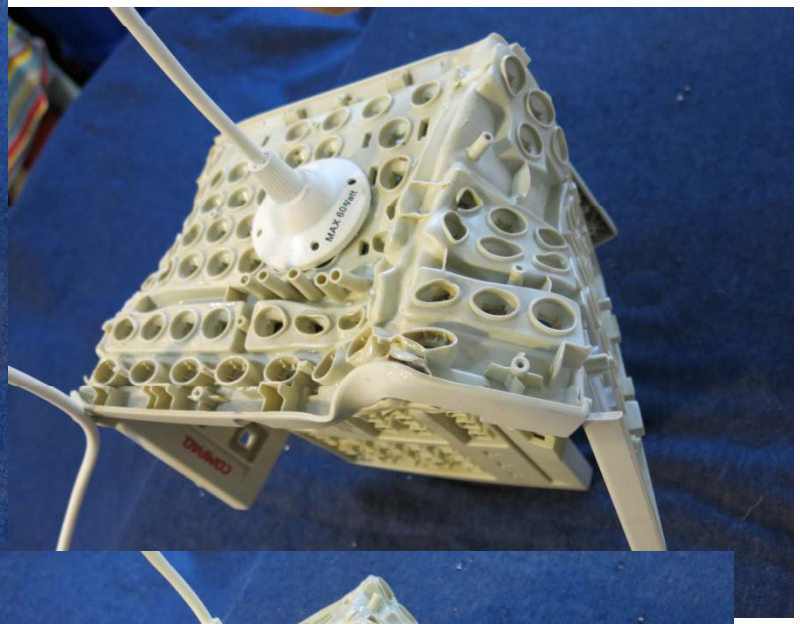


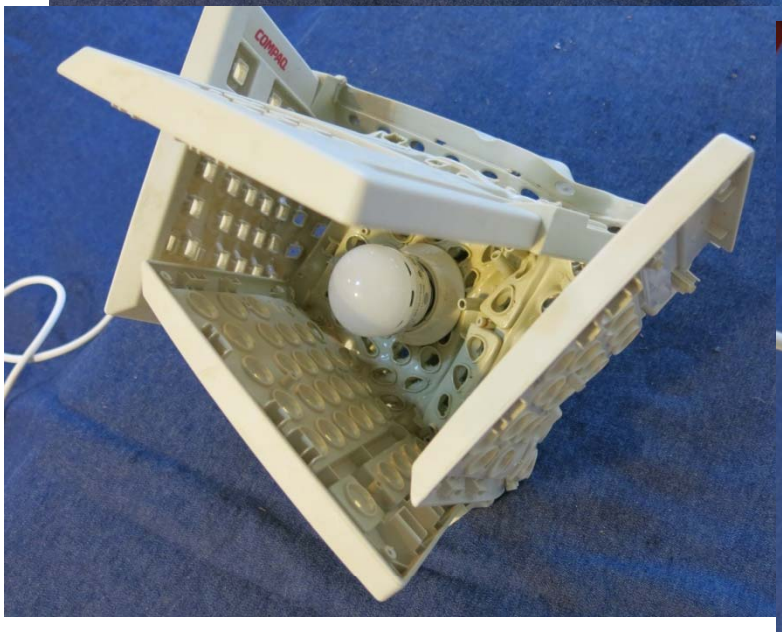


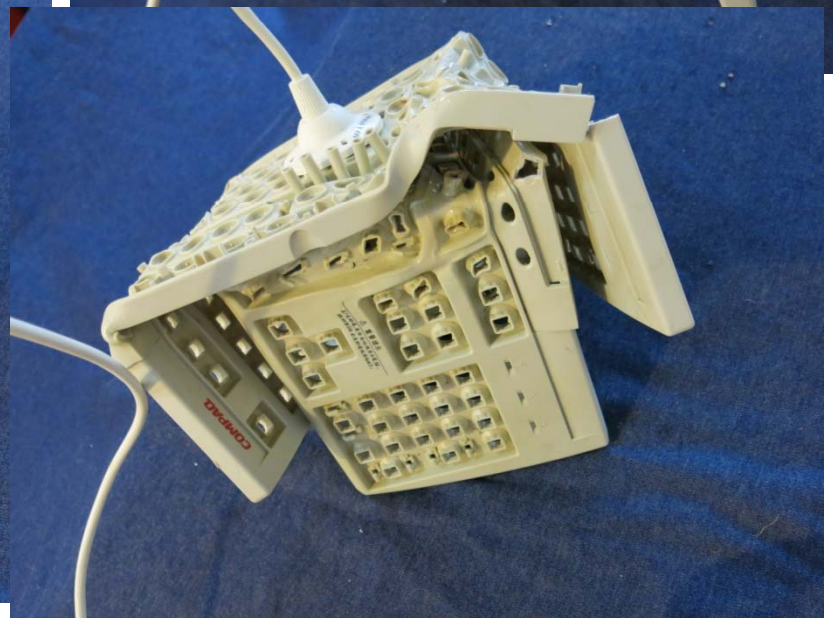







MAX 60Watt


COMPAQ

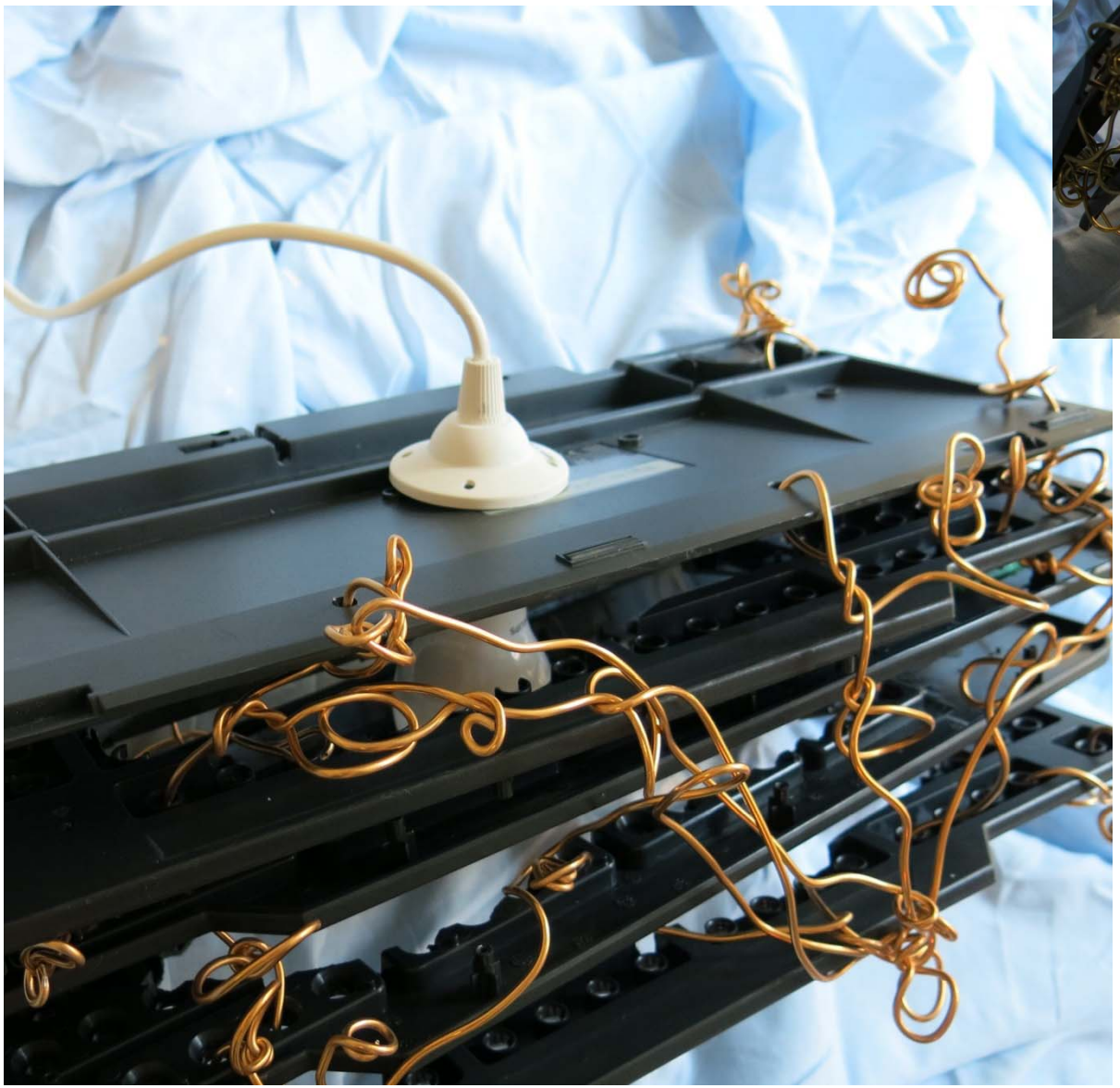

COMPAQ


COMPAQ


COMPAQ

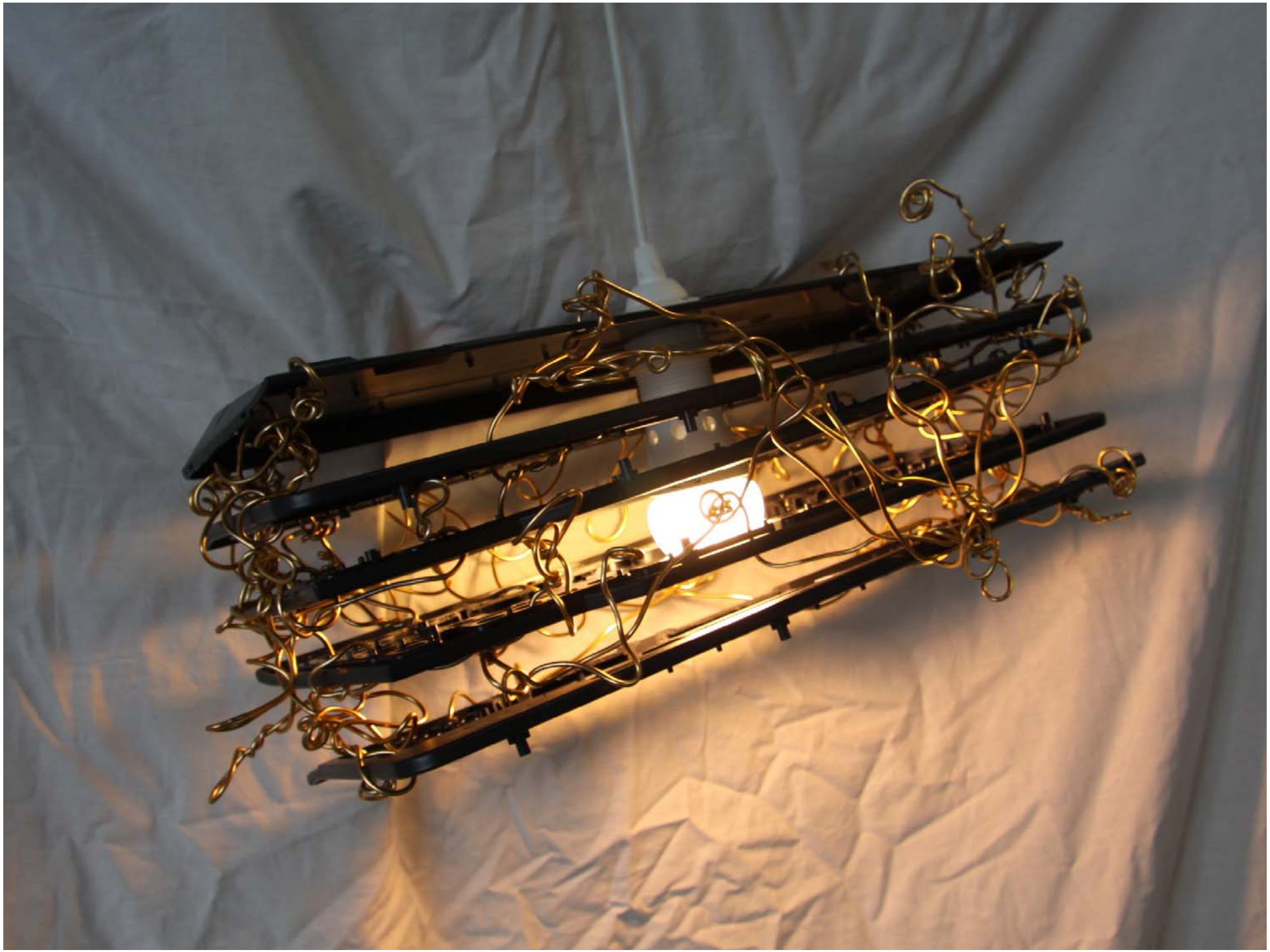



IBM
IBM









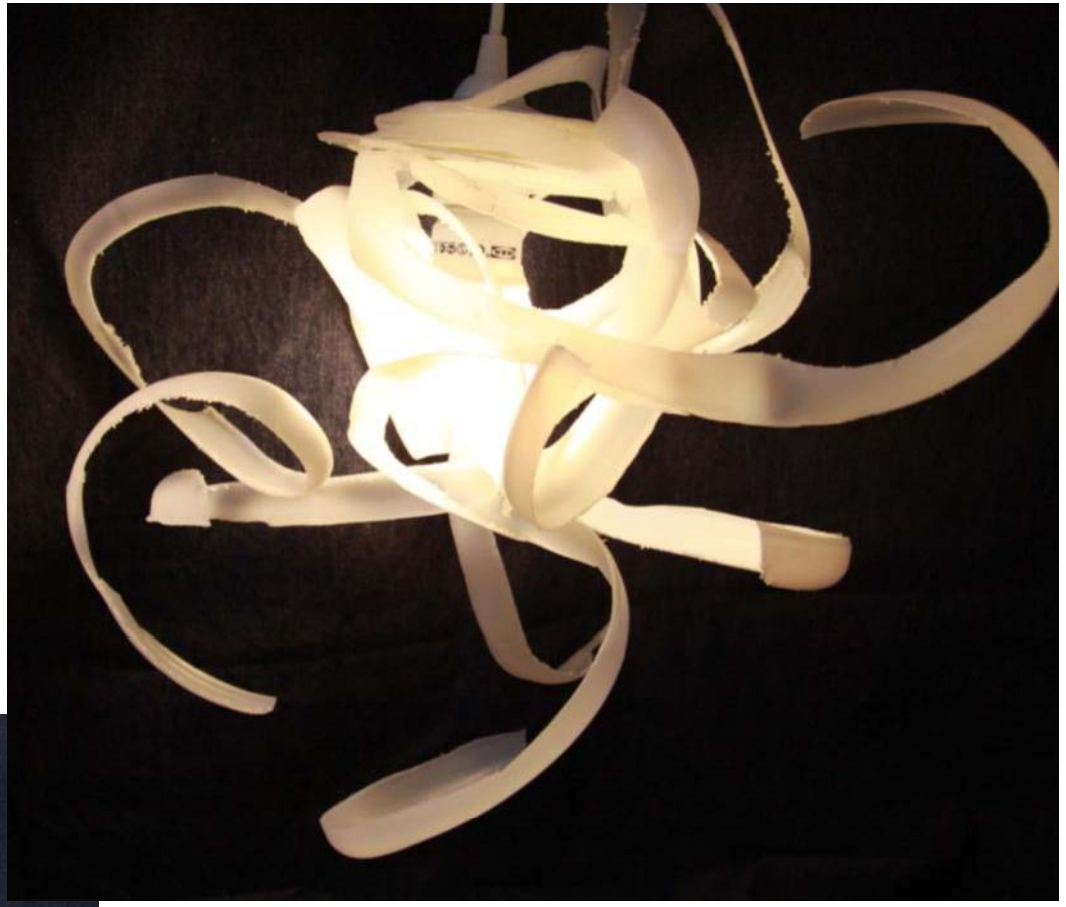




















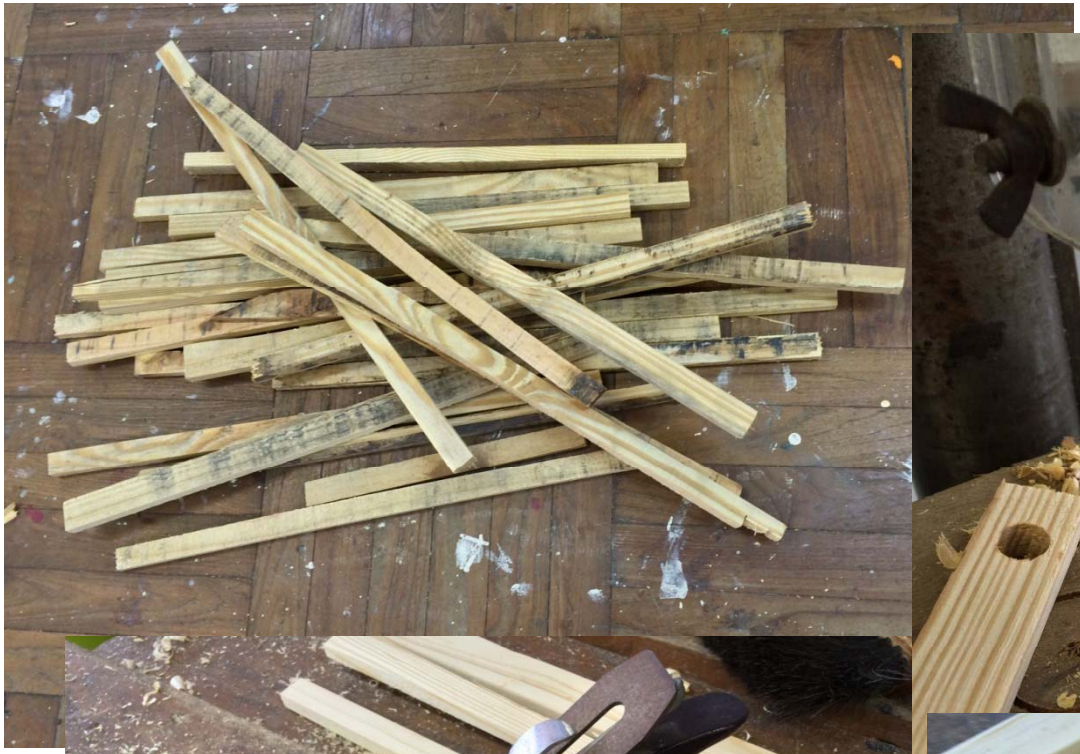





If this litter container is full
please contact























Pallet Pen ｜ 卡板筆

綠意念 為地球。Ideas for a greener Earth

Changeable Refill ｜筆芯可替換




Refillable Pallet Pen | 卡板筆（筆芯可替換）
綠意念 為地球。Ideas for a greener Earth
高雷中學致意




Refillable Pallet Pen | 卡板筆 (筆芯可替換)
綠意念 為地球。Ideas for a greener Earth
高廈中學荻麗

3 綠色設計在校園

綠色的校園

1. 走出教室-善用空中花園
2. 校園中的升級再造

空中花園的用途

多元智能之自然探索






風信子 hyacin




2






KLSS

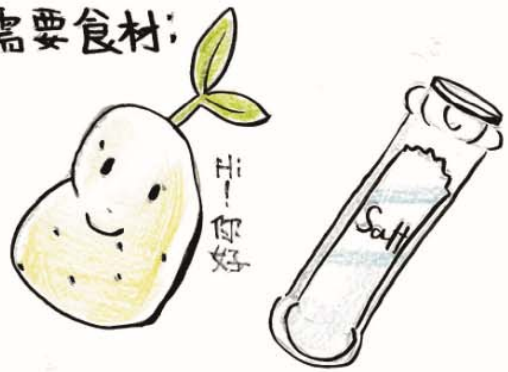






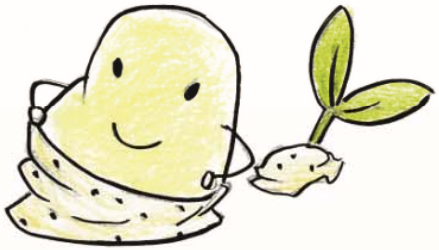


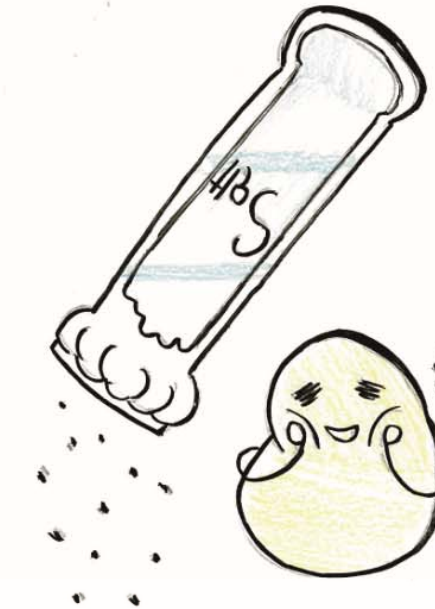
需要食材:



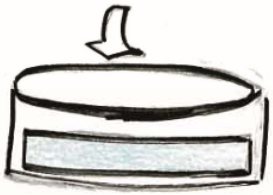
製作方法……

首先將薯仔削皮





太正！這個溫泉



加入salt……

享受中……



等候熟透中……







升級再造可以是...



18. coke2nd life

升級再造較學術的解釋是...

…按棄置物的物料特質，通過人手設計，製造成較環保的物件。

佈置...
















Green Encounter
感受綠設計


Please take one
請 取 一 份
Green Encounter
感 受 綠 設 計

習作…



+


ZEBRA
ボールペン替芯/青
BALL POINT PEN REFILL
1箱(10本)
BR-8A-4C-BL
4C-0.7芯
0.7
10本箱販売品番・JAN
B-BR-8A-4C-BL
ZEBRA
BR-8A-4C-BL
ボールペン替芯/青
4C-0.7芯
BALL POINT PEN REFILL



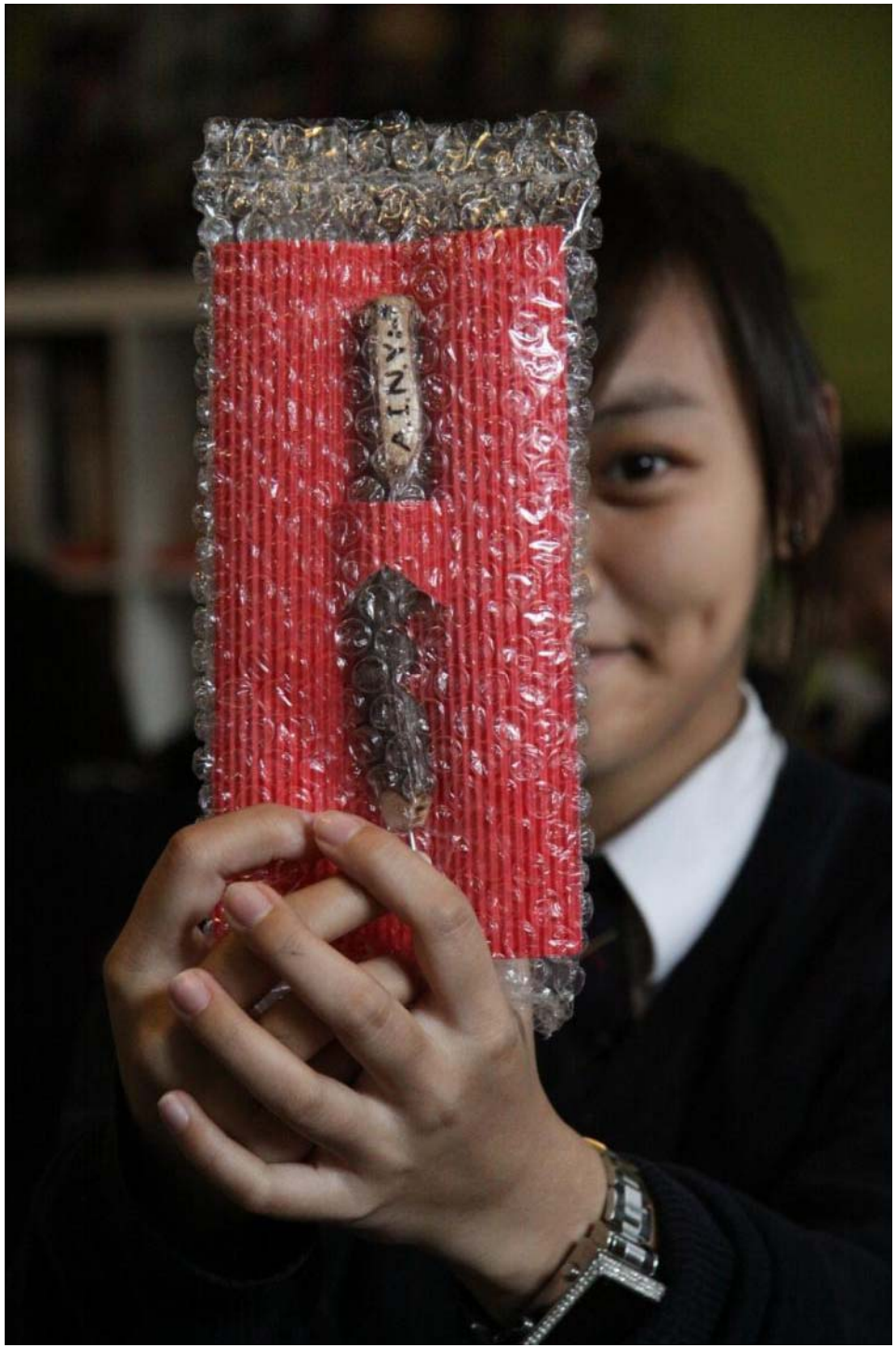
樹枝可變成書寫工具。




TUNG



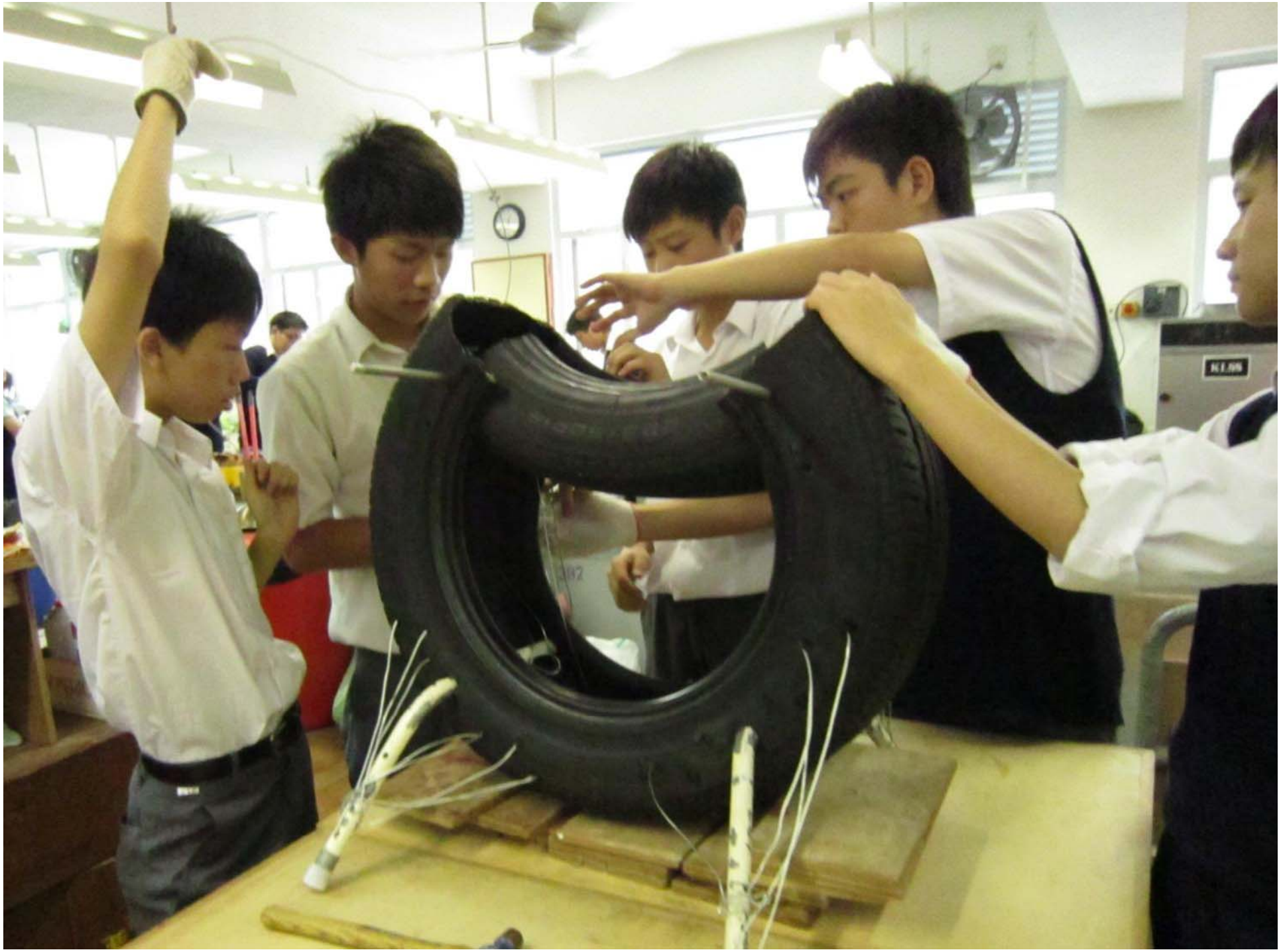








KLSS


















綠色 信和
Green Sino
BRIDGESTONE






5




信和集團
Sino Group
愛家愛環保
舊物大變身
Challenge
prize presentation


VIOLA
Secondary Students 中學組


中學組
FRAGILE


yume
FRAGILE


FRAGILE
HANDLE WITH CARE

中學組
SECONDARY STUDENTS



估你唔到
Guess what it is



冠軍 Champion

嚴諾汶 Yim Nok Man

高雷中學 Ko Lui Secondary School

250 x 210 x 230 cm

物料：舊車胎、棄置的椅子
Materials: Old tyres, old chair

舊車胎、棄置的椅子及鐵線，都可以變成一張舒適的環保椅子。把三個舊車胎重疊在一張丟棄的「大班椅腳」上，再在頂部鑽上鐵線，便成為創意無限的椅子了。

An old tyre, discarded chair and wire can be redesigned as a comfortable eco-friendly chair. The starbase legs of a discarded office chair are used for the innovative chair and wires woven onto the tyres become the seat.

亞軍 1st Runner-up

潘愛儀 Poon Oi Yee
彭婉玲 Pang Yuen Ling
李耀達 Lee Yiu Tat
賀旭豪 He Xuhao

高雷中學 Ko Lui Secondary School

144 x 55 x 120 cm

物料：舊車胎、舊木板
Materials: Old tyres, discarded wooden board

利用三個棄置的車胎及一塊木板組合成一張設計簡潔又舒適的椅子，椅子外形像一個百分率符號，象徵綠色生活在我們日常生活中應佔一個重要的比重。

This chair was made from three discarded tyres and a wooden board. Resembling a percentage symbol, it reminds us how important green living is in our daily lives.





百分比
Percentage

中學組
SECONDARY STUDENTS









中學組冠軍：黃韻文《海雲中學》 作品：估你唔到

1. 為甚麼會有把舊車胎製成椅子的想法？

「在我們學校的天台，有一個特別的『空中花園』，我們會以舊車胎作花盆栽種各種植物，看見老師以車胎建造了美麗的花園，便開始萌生以車胎製造其他東西的念頭。加上碰巧在一次設計與科技課上，老師又鼓勵同學利用廢物進行創作，因此便決定以舊車胎製成椅子參加比賽。」

2. 以舊車胎做椅子有甚麼好處？

「舊車胎是一種較難分解的物質，車胎燒了拿去燒毀也會釋放大量有毒化學物質，污染環境。用舊車胎製成椅子就可以減少有毒氣體排放，又可以為車胎重新賦予生命。」

3. 製作過程環保車胎椅子的過程中遇到什麼困難？

「開始創作時，要想盡辦法把車胎固定起來，於是便到老師的設計工作室找材料。本來想以鐵子固定車胎，後來發現不夠穩固，*後從工作室找來鐵線把車胎綑綁*緊。我也以螺絲固定車胎位置，最終也能成功完成這張舒適的環保椅子。」

4. 比賽以外，平時你也會利用舊物作創作，為它們賦予新用途嗎？

「在家中，我經常要求媽媽把一些用舊了的物件留給我，我就會動動腦筋為它們改頭換面，例如把收音機的天線、壞了的遙控器和滑鼠等配件組合起來成為機械人玩具。」

5. 作為學生，你認為可以怎樣在日常生活中實踐環保？

「除了翻新家中的舊物外，我也經常鼓勵身邊的朋友和家人在購物時自備購物袋。另外，平常在家中亦會把閱讀過的報紙或廢紙儲起來再送去回收再造。」

設計學堂 創意萌芽

參觀作品展覽時找到一張由幾個舊車胎創作成的環保椅子，不少途人紛紛上前試坐，閣嘆它舒適堅韌，很受歡迎。這椅子的設計師正是在高雷中學就讀中三的黃韻汶，向她了解作品的創作意念和製作過程時，才發現一件完成品的產生除了關乎膽力和嘗試，還有學校裡的一間創意工作室和一個種滿植物的空中花園。



「估你唔到」

舊車胎和廢置的椅子經可以搖身變成一張舒適的環保椅子。把三個舊車胎重疊在一張五層的「大花時架」上，再在頂部鑽上鐵繩，便成為堅固有型的椅子了。

5. 以舊車胎做椅子的構思的確「估你唔到」。原來當初的學校天台的空中花園，以舊車胎作花盆，種植了各式各樣的植物，讓學生有更多機會親近大自然。

6. 在期間中學裡中一的課題式一向的設計意感興趣，並會朝這方面發展。

7. 自由的創作氛圍，令元化的器材和場地的創心設備等都令現實中學成為培養學生創意的好地方。


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車胎重生
Reborn of old tyres
綠色信和
Green Sino
1
估你唔到
Guess what it is
2
百分比
Percentage
3
0 驚
Surprise
4
Big Big Smile


2
百分比
Percentage
3




NO ENTRY


QOO















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2008/09




迪士尼
Disney's
環保挑戰獎勵計
ENVIRONMENTAL
CHALLEN


Disney's






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DISNEY'S
環保挑戰獎勵計劃
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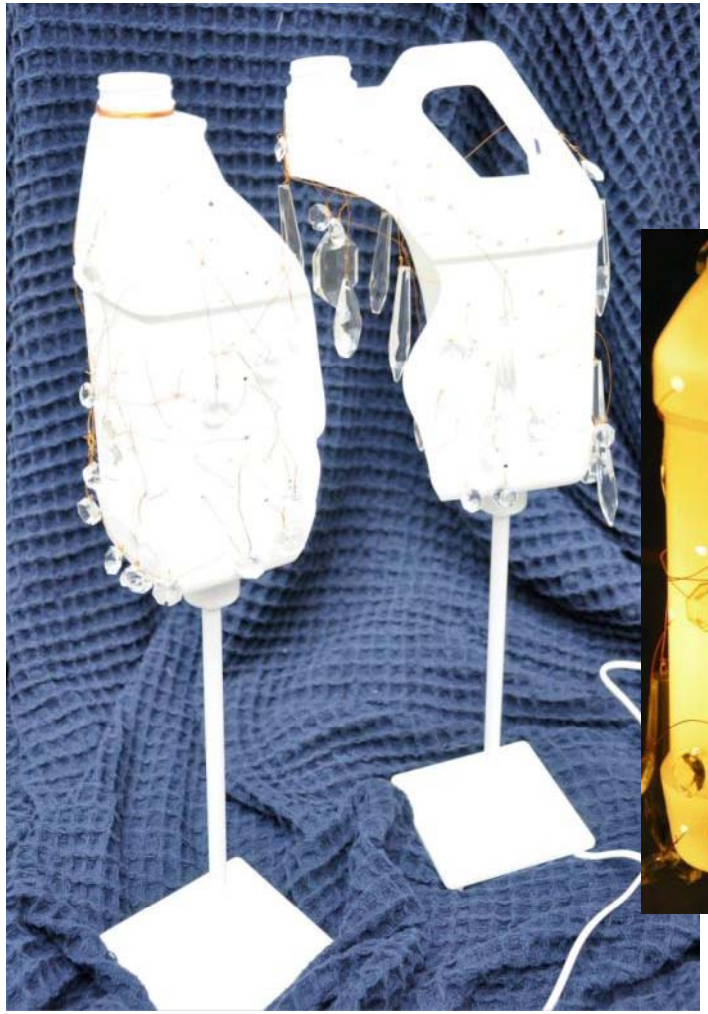










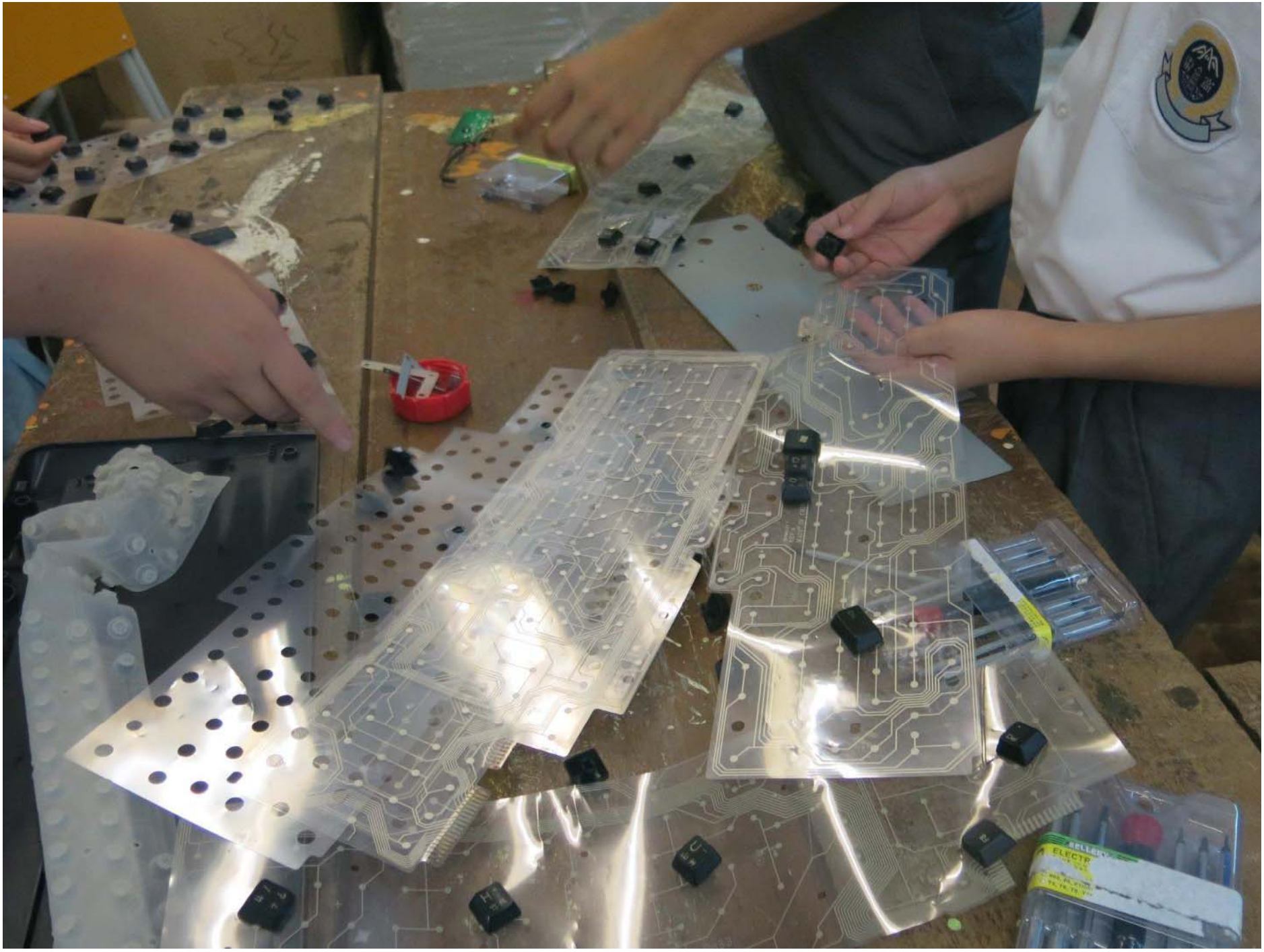




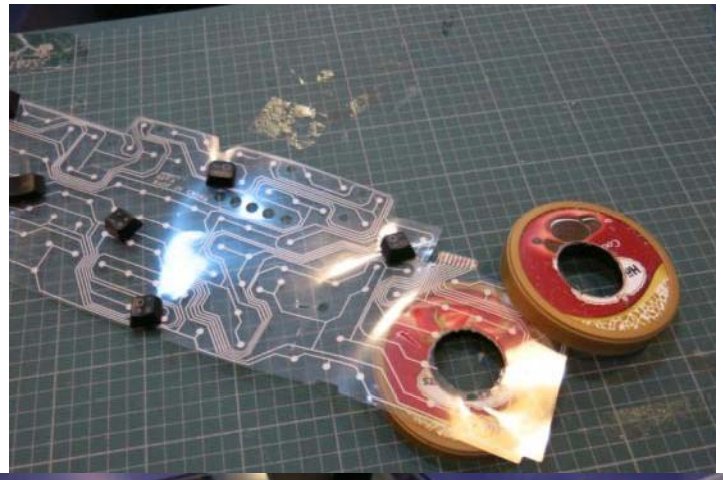




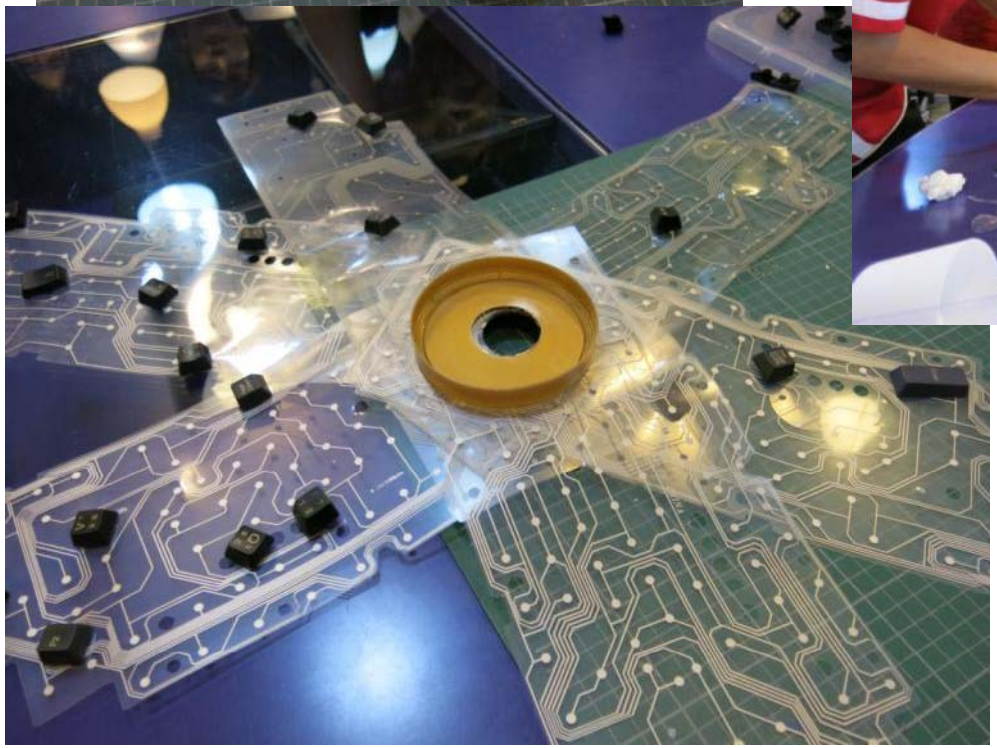














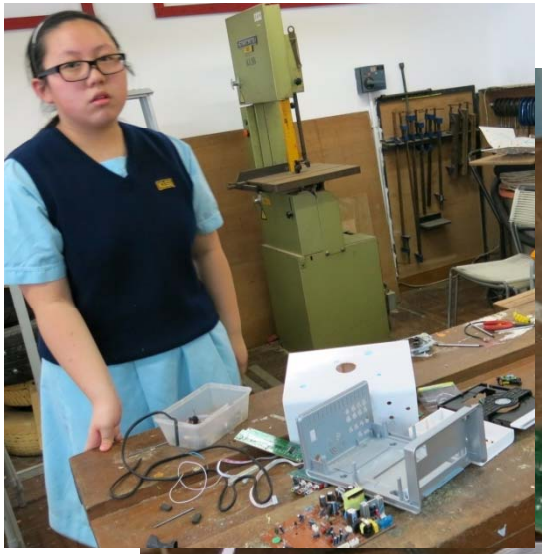

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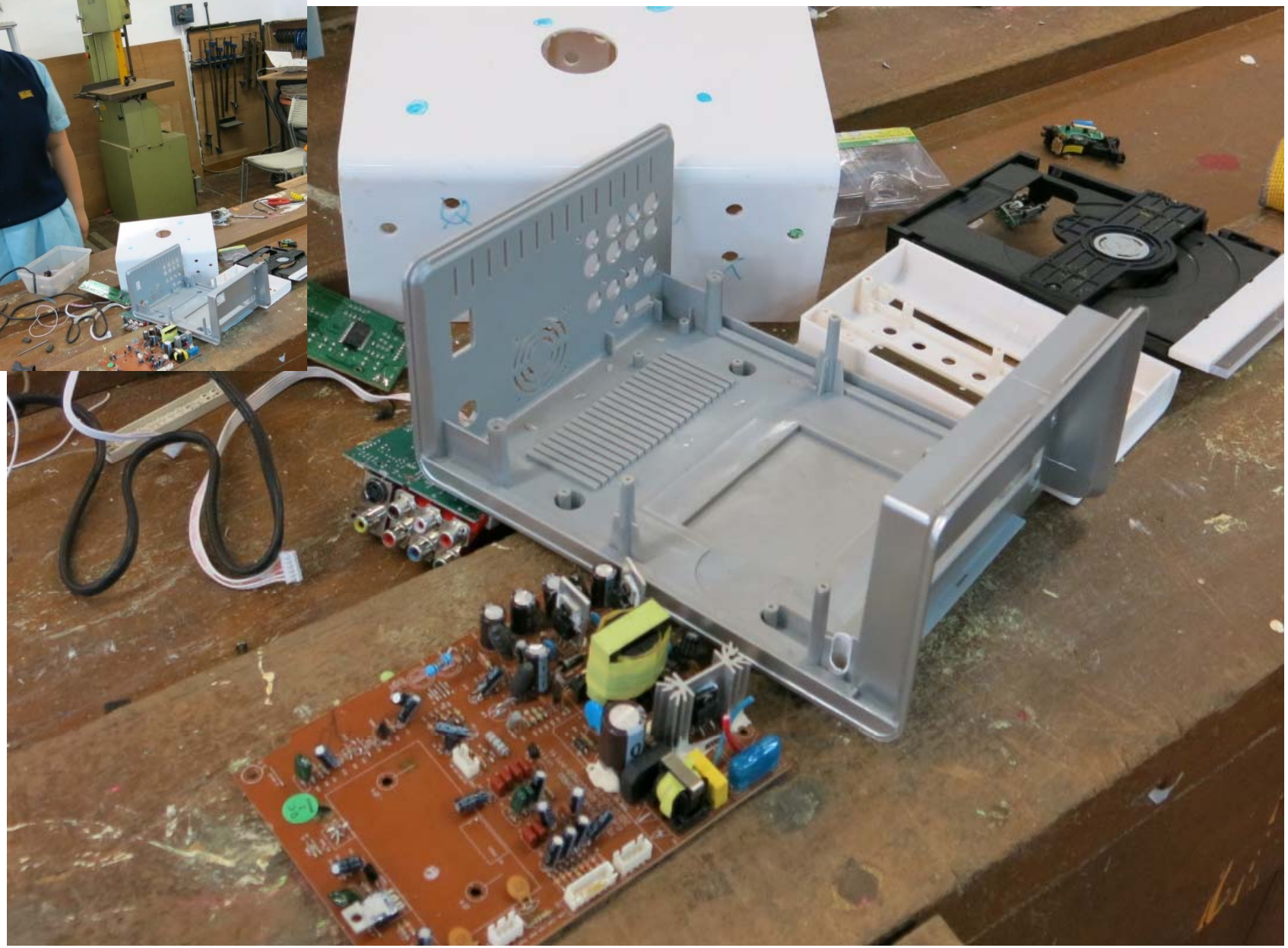

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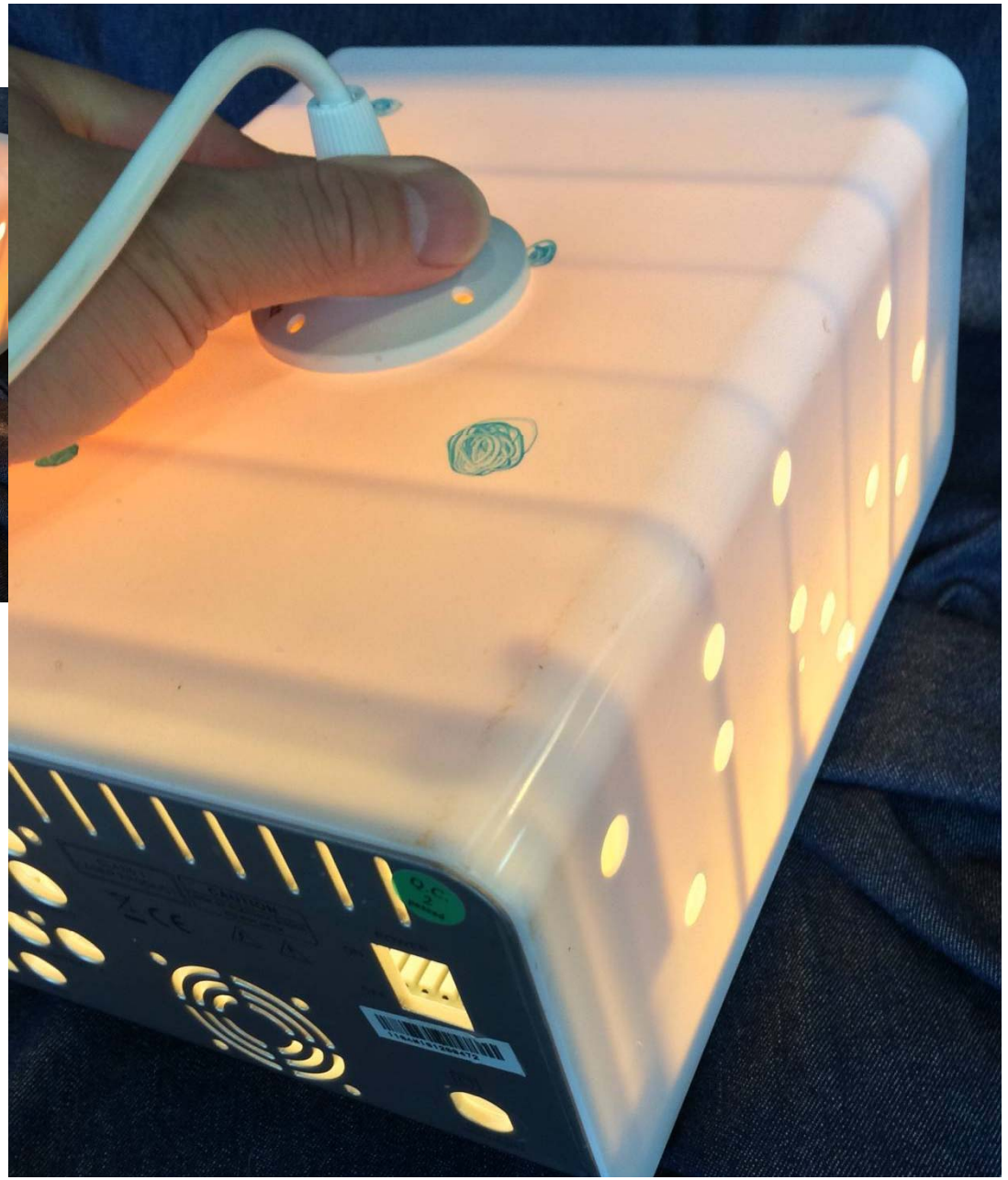

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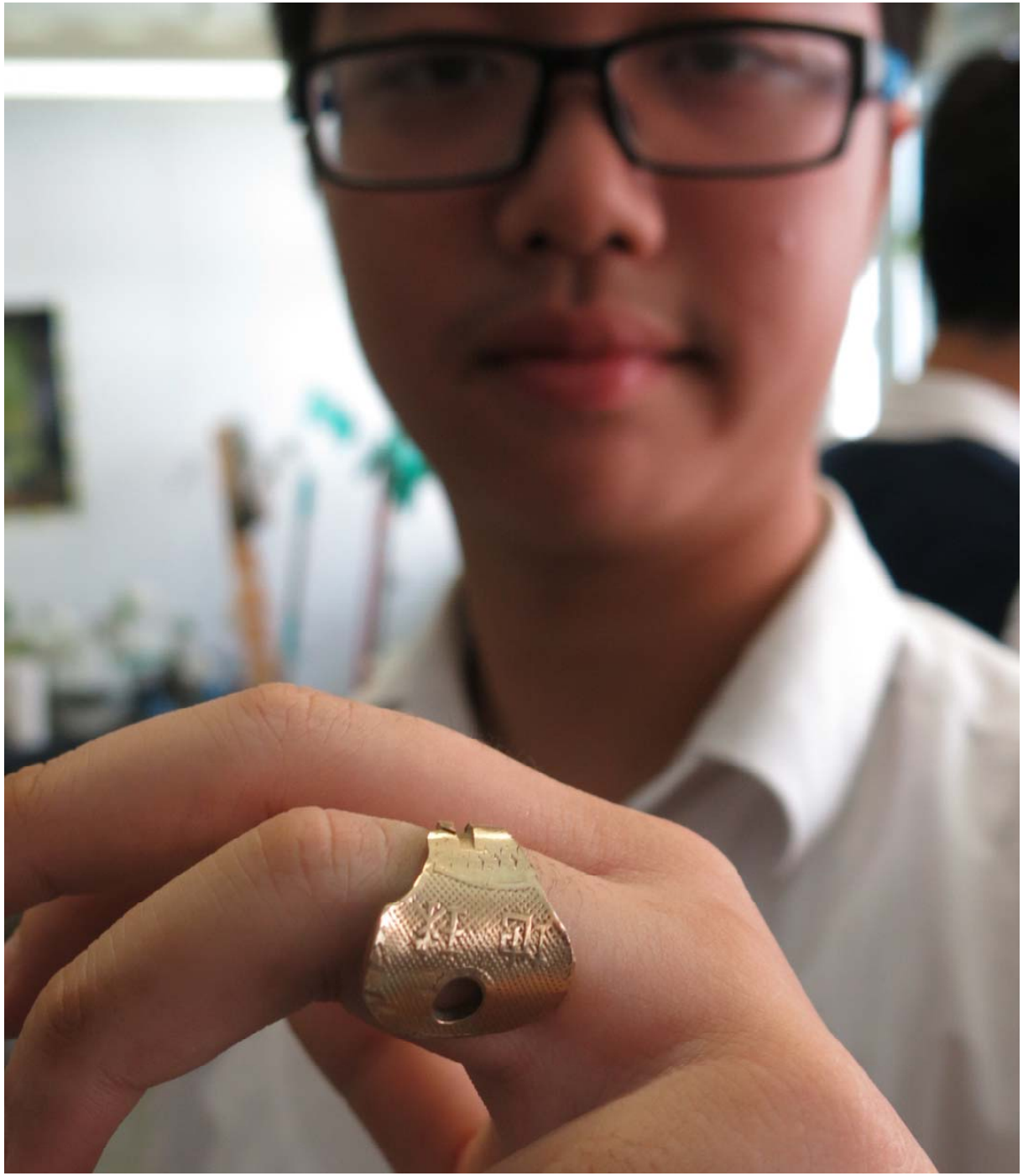

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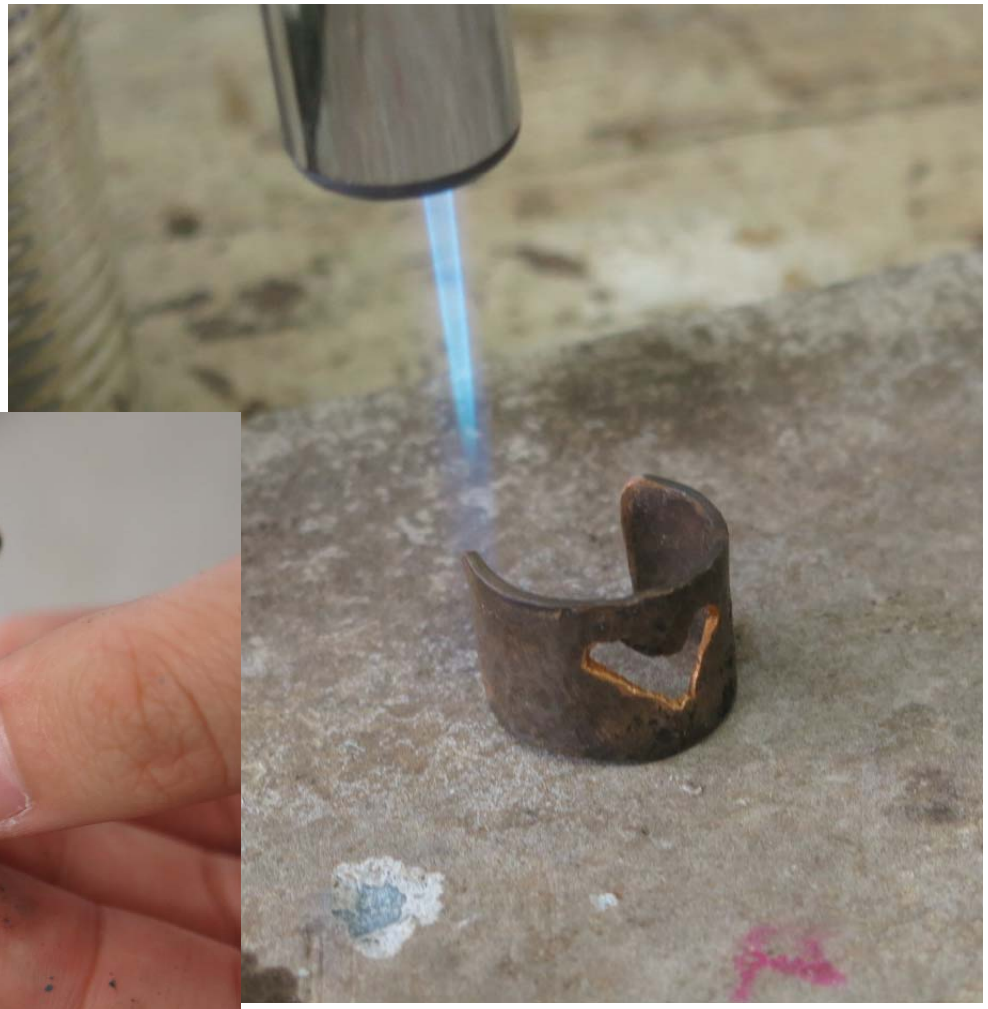








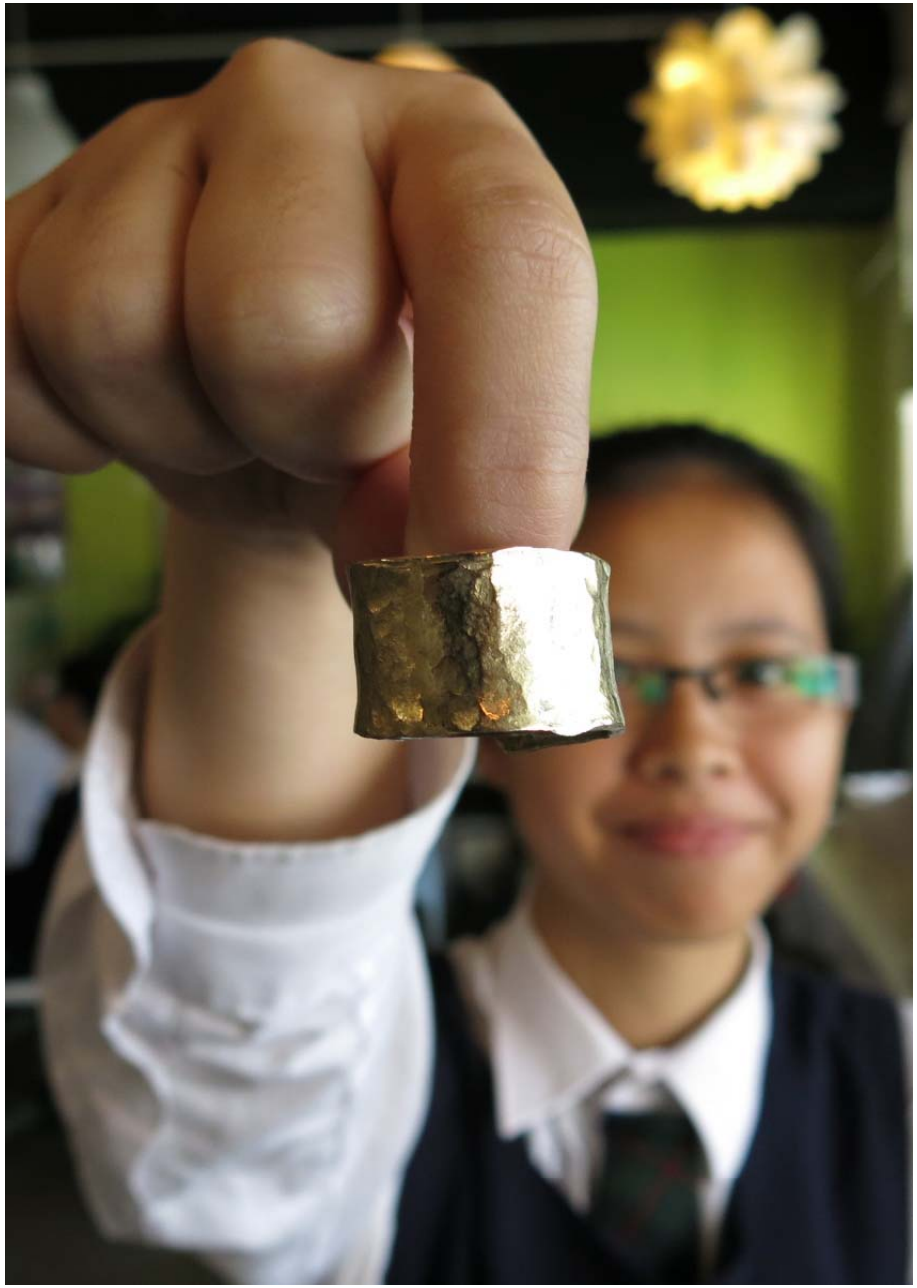








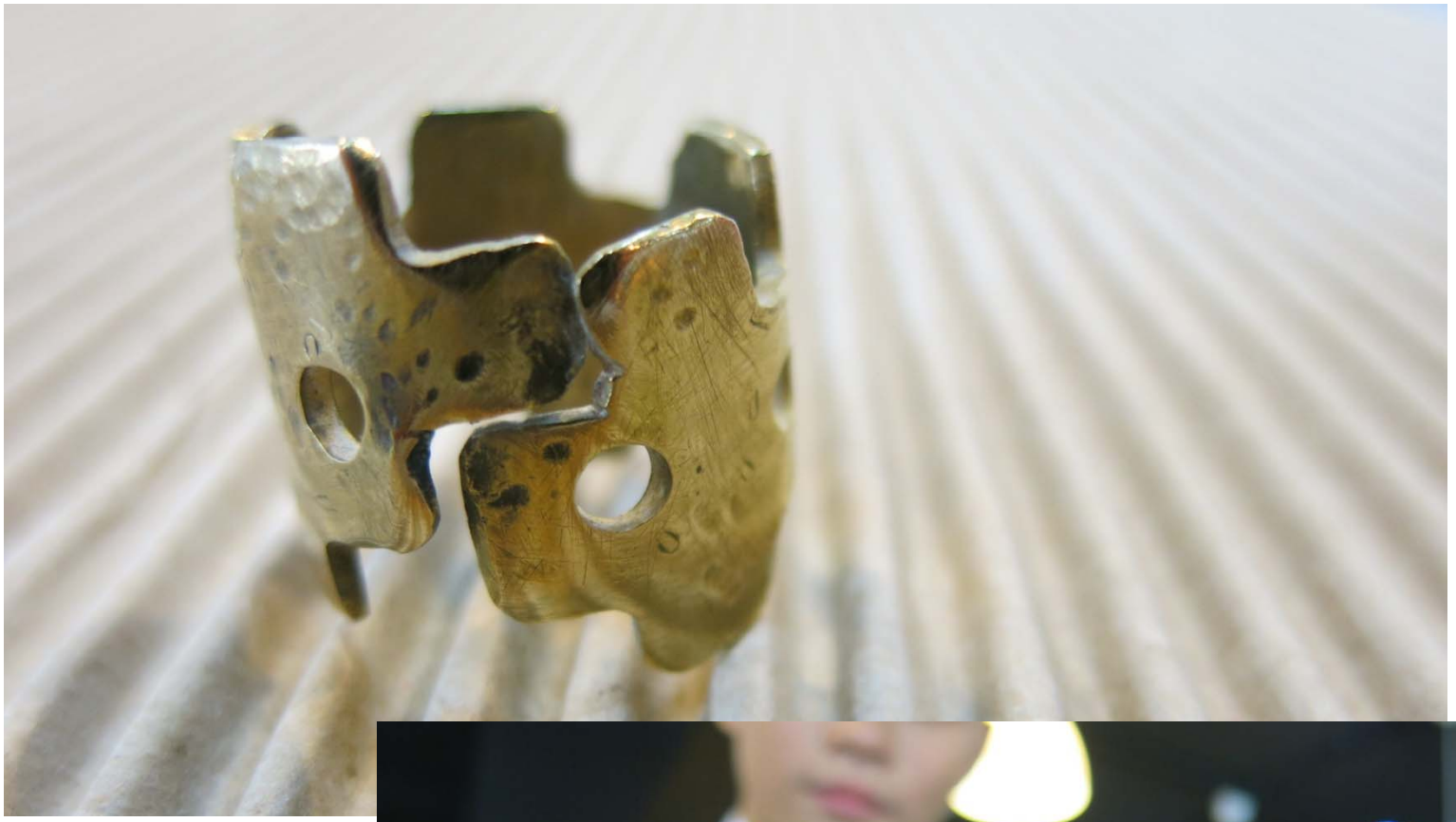
















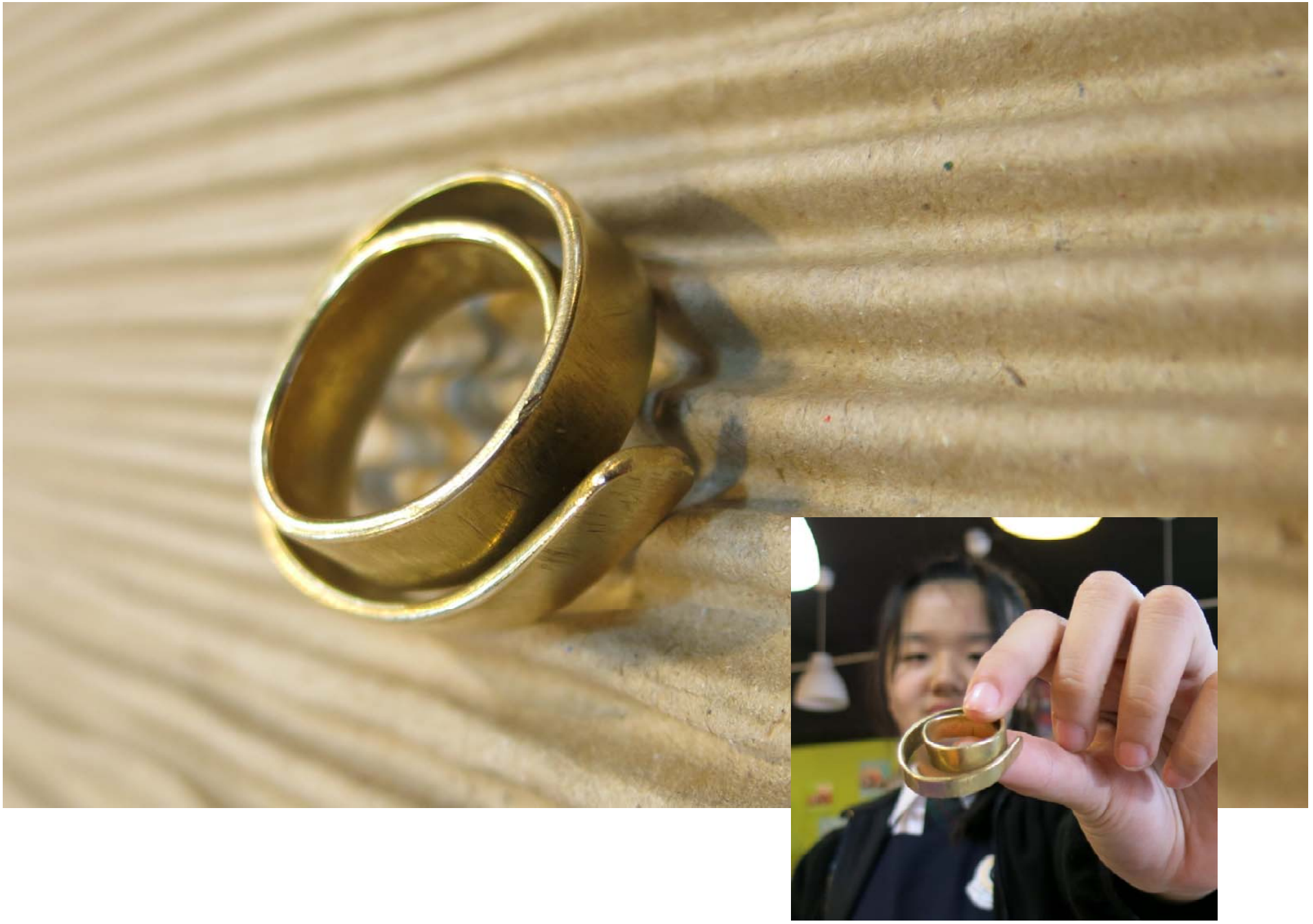






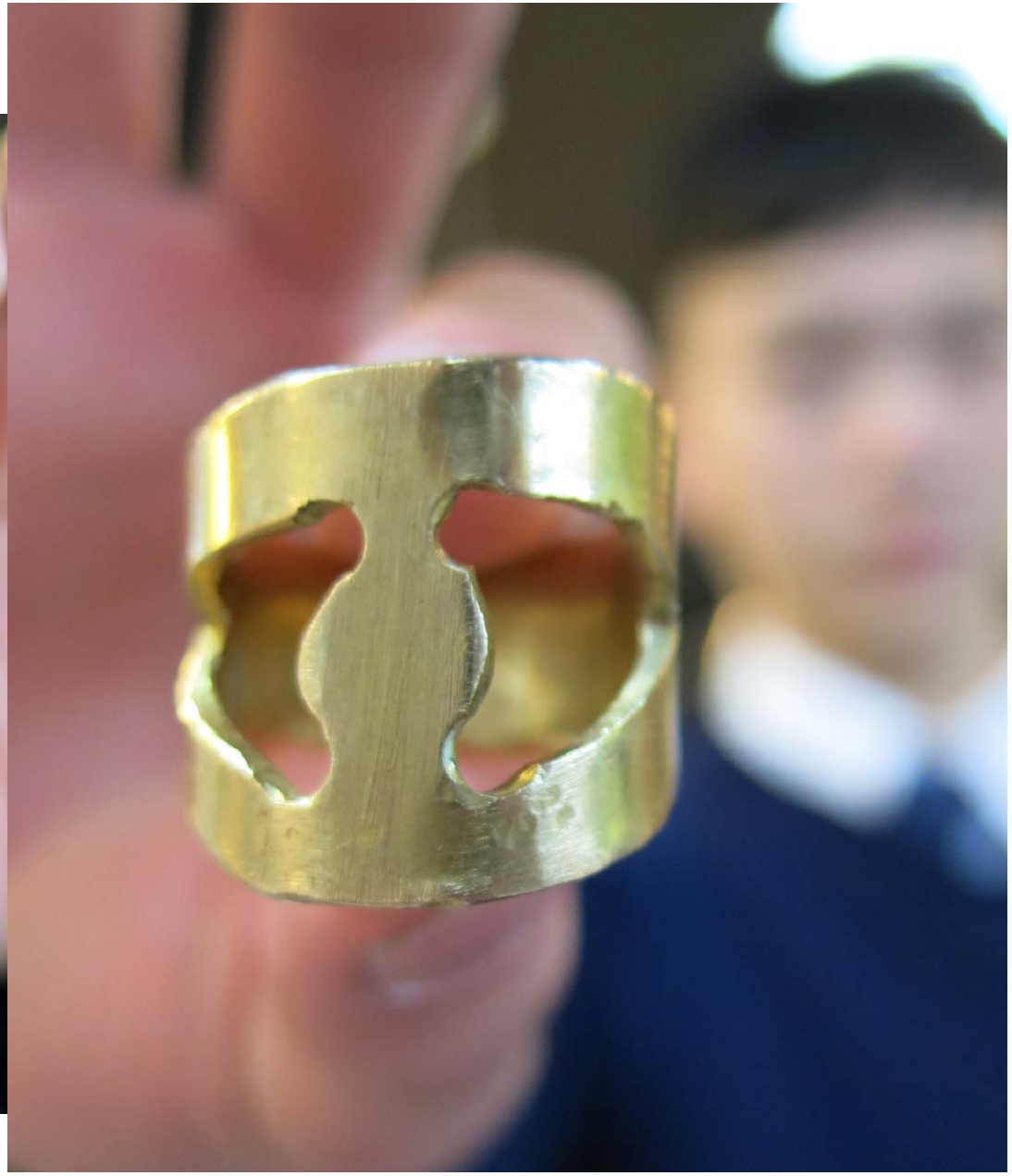








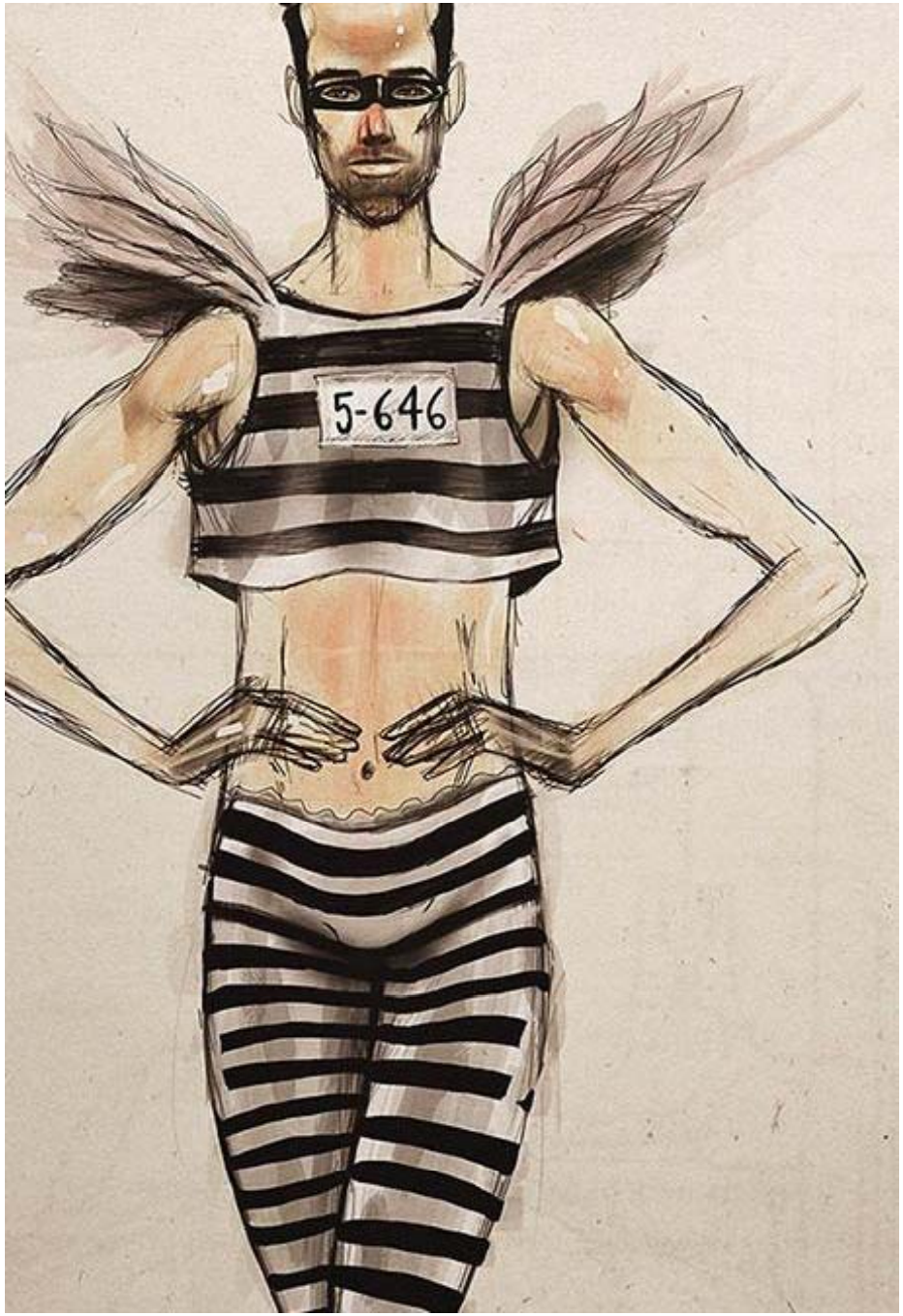











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IN THE WRONG JOB, BEING VERY GOOD CAN BE VERY BAD.
RIGHT JOB

重點是：

如何向學生解讀

Q / A