



Winter Program for the Gifted and Talented 2010 (Activity Summary and Snapshots)

1. Course Application

Winter Program for the Gifted and Talented 2010 was organized by the Program for the Gifted and Talented (PGT) from December 22, 2010 to February 19, 2011. The program was specially designed for Primary 3 to Secondary 7 gifted students, with the aim of enhancing students' knowledge and talents in different domains. A total of more than 800 applications were received. After the selection process, about 500 students were admitted into the program and 51 of them were awarded with one of our scholarships: Madam LO TSE Yin Man Scholarship, Scholarship from Parents' Donation or Scholarship from PGT.

2. Activity Snapshots

Among the 36 courses conducted in the *Winter Program for the Gifted and Talented 2010*, 20 courses were opened for primary students and 16 for secondary students. Courses covered the areas of creativity, languages, mathematics, oral skills training, arts, biological and medical sciences, natural sciences, social sciences (economics, philosophy and psychology) and personal development. Under the supervision of the instructors, students learned through lectures, games, discussions, experiments and field trips, and consolidated their knowledge and skills by collaboration with classmates. They also got to know fellow students and widened their social network in the process. The following are photos of class activities:

Primary Section



Students in the *Creative Thinking Training Course* showcase the paper bridge they built that could withstand the weight a bottle of water. Apart from applying the creative thinking skills learned in class, they also brought their team spirit into full play.



Students in *Introduction to Mathematical Puzzles 2010* learned the problem solving skills of Key Points Grasping and Adverse Problem Solving from the game of Solitaire and other related activities.



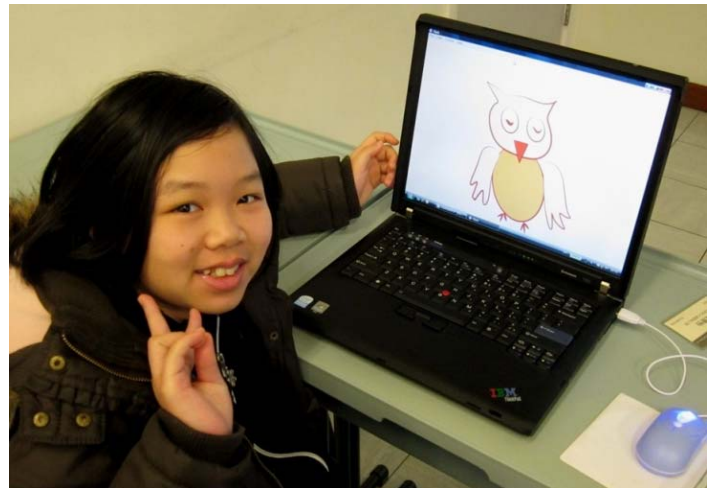
Students in *Wisdom of Daily Life Sciences* apply the method of paper chromatography in an experiment. Through putting drawing paper in alcohol, the ink of the color pens were separated and shown on the drawing paper.



Students in *A Colourful World – Painting and Craft Studio* collaborate on a collective painting depicting a community of an ideal living environment.



Students at the *Creative Thinking Training Course* acts out a scene in a traffic accident, role-playing as victims, paramedics, observers and reporters.



A student presents an owl animation she drew utilizing the skills learned in the *Creative Digital Art Classroom – Digital Cartoon for Beginners*.



Comprehensive Oral Skills Training equips students with both theories and practical training. A student speaks in front of the class while receiving immediate feedback from the instructor.



The instructor of *Be Free and Expressive – Putonghua Drama Training Workshop* leads a group of students in drama production. Different performing skills were taught in order to stimulate creativity throughout the course.



Students in *Thinking for the New Millennium* conducted a research project on a waterfront park after learning about research method and data collection. After a site visit and group discussions, a model of their own waterfront park was created.



The instructor of *Learning Fun in Daily Life* used topics in everyday life to encourage students to get new ideas from the world. Students in the picture are trying to formulate new ideas from the photos given to them.



The instructor of *The Wisdom of Daily Life Sciences — Advanced Course* explains the theories behind the starch and iodine test for the quantity of vitamin C containing in different juices. Students pay close attention to the teacher as they learn about the experiment procedures.



In the course *Be a gifted Leader*, students not only learned the cultural development of Hong Kong, but also strengthened their skills on critical thinking, self-management, communication and leadership skills through project-based learning.



A student in *Creative Digital Art Classroom — Digital Imaging and Web Album for Beginners* creates a personal web gallery. After learning how to use different software programs, a student edits his personal webpage.



Students create their self-portrait a mixed-method of drawing and collage in the course *A Beautiful World — Visual Arts Training Course*. They were encouraged to draw in innovative ways and be creative in expressing themselves.



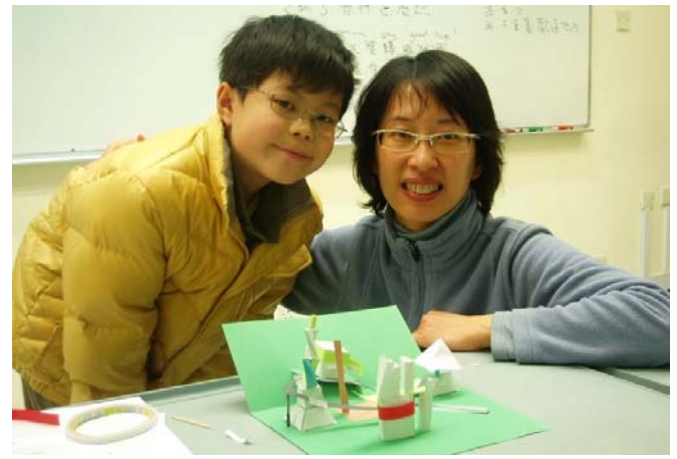
Students carry out experiments on fruit-flies with the simple method of extracting DNA in the course *Scientific Study of Genetics Through Fruit-flies*.



In *English Dramatic Studio – Explore, Create and Act*, students express themselves making use of vocal intonations, facial expressions and body language, in order to explore different kinds of dramatic expression.



Prof. Ha, instructor of *Getting to Know Latin*, has fun with students while teaching basic Latin and telling stories about the history and culture in the West.



The “Art” of Mathematics combined mathematics with elements in Art, helped students develop their logical mind and an appreciation for beauty. A student and the instructor pose in front of the student’s 3D architectural model.



In *Mathematical World Beyond Imagination*, students are encouraged to confront challenging mathematics problems through different activities like games, competitions. Students are eager to participate in class activities



Students of *Mathematical Puzzles 2010* learned problem solving strategies including flexible strategy, thinking from different points of view, induction and diverse thinking from playing different kinds of mathematics games.

Secondary Section



The instructor of *Mathematics Enrichment Program* raises the curiosity of students by throwing interesting mathematics questions at them. These interactions stimulated students to be active in their thinking.



The instructor of *A Glance at the Physical World* presents Physics theories with interesting daily life examples, making these complex theories easy to grasp for young students.



Students of *The World of Logical Thinking – Introduction to Contract Bridge* play the game to put their logical thinking, organization and analytical skills in practical use. Students had to make elaborate considerations before taking the next step.



Students of *Creative Digital Art Classroom – Digital Graphic Design and Desktop Publishing for Beginners* learned basic principles of graphic design and had hands-on experience in class. Feedbacks were given by instructor after each task.



In the *Workshop on Oral Presentation Skills*, students participated in different activities such as public speaking, debating, poem reciting, story-telling, joke-telling, and even show-hosting. Students could learn all these presentation skills through lecture and practices.



Students of *An Exploratory Study of Chinese Medicine* visit the Herbal Garden in the Chinese University of Hong Kong to learn about common medical and poisonous plants in Hong Kong. A student tries out how to refine Chinese medicine during class in the picture on the right.



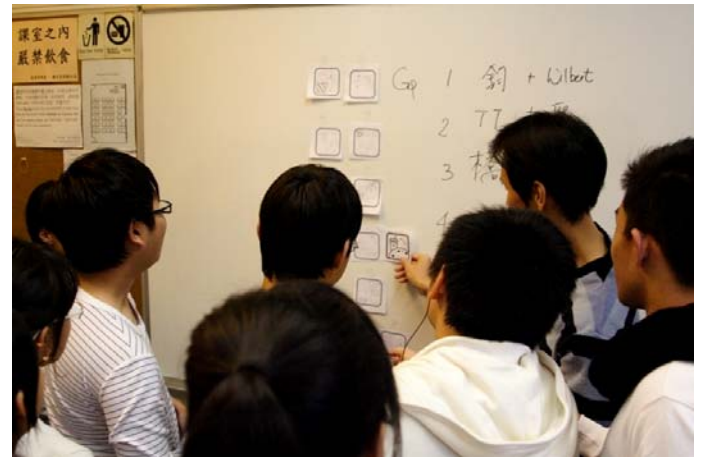
The instructor of *Funny Laboratory of Earth Science I* carries out a stimulation of a volcanic eruption to give students a better understanding to the theories behind.



Students of *Funny Laboratory of Earth Science II* pay close attention as the instructor explains the characteristics of landforms and rocks found during their field trip to Cape D'Aguiar Marine Reserve, Shek O.



Students of *Insight from Nature* get to touch and investigate the characteristics of a frog when they follow the instructor to the greenhouse at the Department of Biology.



Students of *Personal Growth and Talent Development* evaluate their communication ability through a group activity. Through giving and receiving commands, students' skills of communication were polished.



Students of *Back-of-envelope Calculation and Probability Modeling* apply the calculation and modeling methods they learned in group activities. Instructors gave hints and further explanations when necessary.



Apart from introducing economic theories to students, instructor of *Economics Zone* also applied the theories into daily life and explained common societal phenomena in new perspectives.



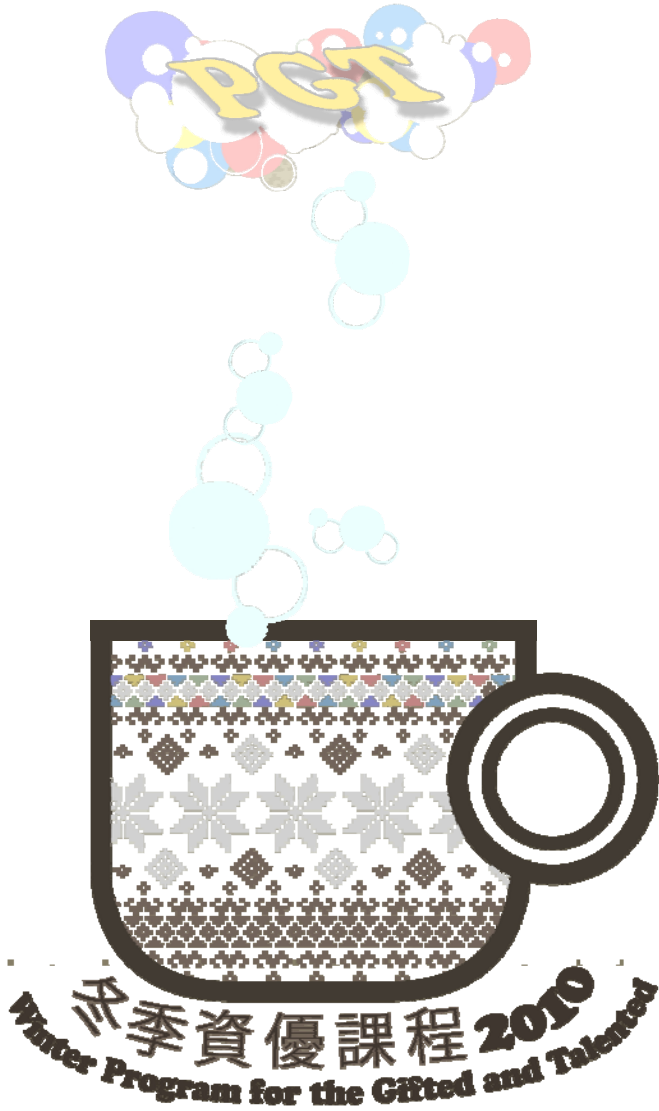
Students in *Genes, Cells and Biotechnology* perform experiments related to life science at the University's laboratory facilities. They pay close attention as the instructor explains the procedures.



In *Introduction to Cognitive Science – A Thematic Study Group*, students had to present the key points and their opinions to their classmates after reading a chapter of the reference book. These students have strong interest in psychology and were keen on participating in discussions.



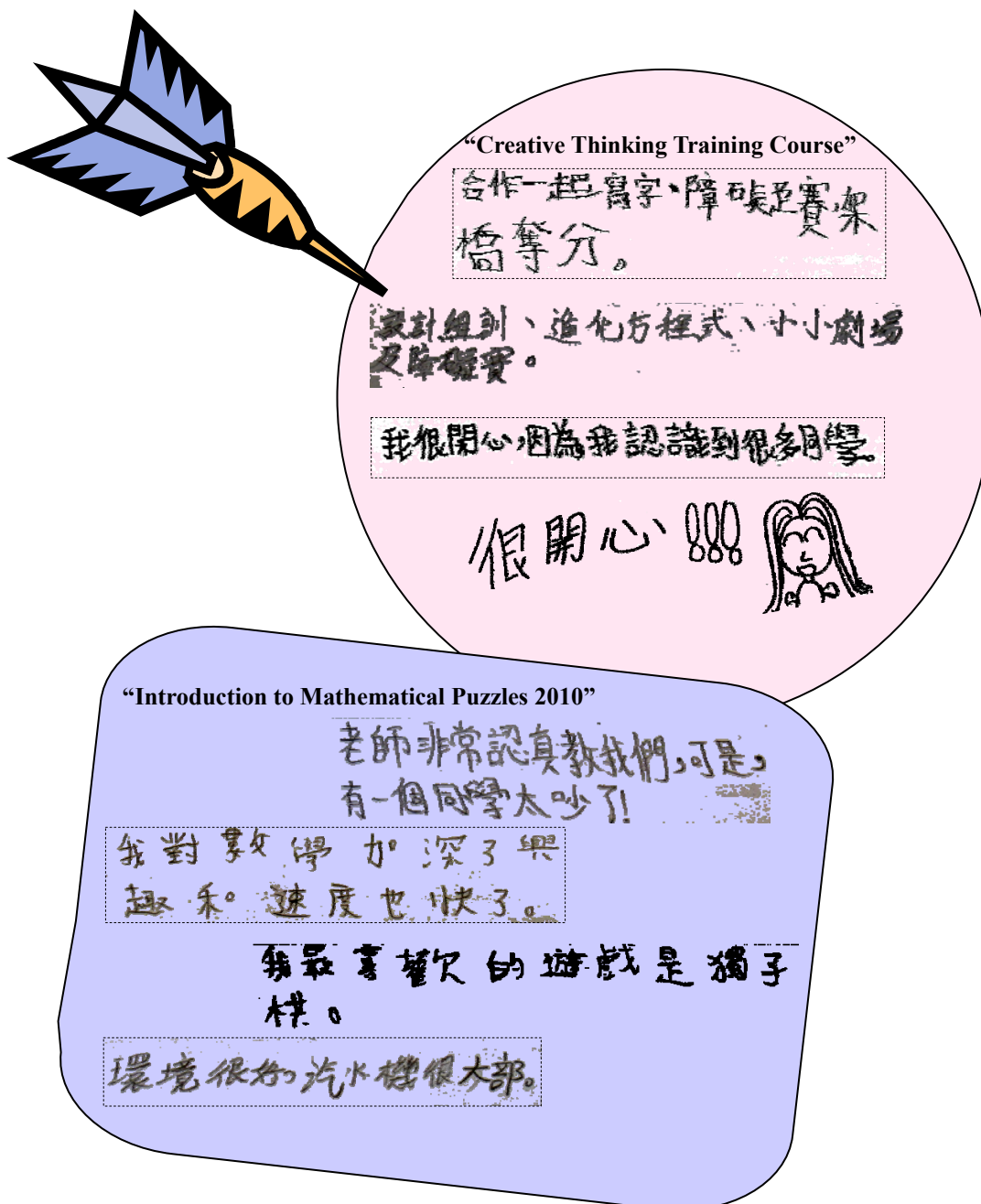
In the course *New Ideas from Great Economists*, students were introduced to theories and contributions of renowned economists, so as to enhance the students' knowledge in Economy.



3. Feedback and Overall Comments from Student Participants

In order to know more about students' understanding and comments towards the courses, they were asked to fill out a course evaluation form at the end of each course. The evaluation form included items assessing students' overall satisfaction to the course they attended on a scale of 1 (very dissatisfied) to 5 (very satisfied). Among the 36 classes in the Winter Program, 33 classes were rated with an overall satisfaction of 4 or above, and 17 classes even had an overall satisfactory rating of 4.5 or above, these classes included: *Creative Thinking Training Course*, *Wisdom of Daily Life Sciences*, *Creativity Training via Drama*, *Comprehensive Oral Skills Training*, *Be free and Expressive – Putonghua Drama Training Workshop*, *Thinking for the New Millennium*, *Wisdom of Daily Life Sciences – Advanced Course*, *Be a Gifted Leader*, *Creative Digital Art Classroom – Digital Imaging and Web Album for Beginners*, *A Beautiful World – Visual Arts Training Course*, *English Dramatic Studio – Explore, Create and Act*, *The 'Art' of Mathematics*, *Funny Laboratory of Earth Science I*, *Mathematics Enrichment Program*, *The World of Logical Thinking – Introduction to Contract Bridge*, *Workshop on Oral Presentation Skills and Genes, Cells and Biotechnology*.

The followings are some of the comments from our students:



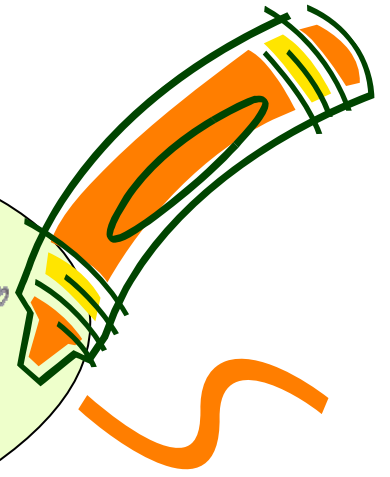
“Wisdom of the Daily Life Science”

氣力草

草

巧妙提冰塊。

竹筒、豆冰



“Creative Thinking Training Course”

absolutely happy + exciting

開心，因為老師的教導
很容易明白和可以
認識到新朋友

在最後一節，寫劇本、製
作導具和表演短劇

導師會主動了解學生
很好！

老師

“A Colourful World —
Painting and Craft Studio”

少D時間，多些日數。



我發現我畫畫好D。



我非常開心和感謝老師。

我對這個課程最深刻或喜歡的是：

願望樹

時間與我

“Creative Digital Art Classroom —
Digital Cartoon for Beginners”

很有創意，很帥，想畫甚麼都得。

Expressions 有佢多用途

“Creative Digital Art Classroom —
Digital Imaging and Web Album Design for Beginners”

很開心能建立網址和能
美化它

Making & editing pictures

fun! (a little bit difficult)

建立和修改自己的網頁

“The Wisdom of Daily Life Sciences —
Advanced Course”

我最喜歡吹泡泡,因為很有趣,很有趣,
有啟發性。

學習的時候

抽取奇異果-工多啤梨的DNA 樣本

做實驗時的工具,情形,完成
的滿足感。

我對課程開心,因為我可以看
到很多不同的有趣的東西。我最喜
歡DNA。

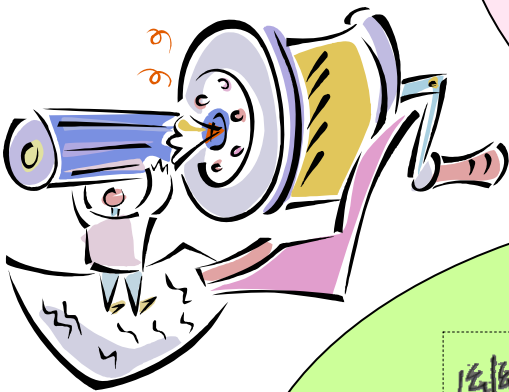
“Comprehensive Oral Skills Training”

我對這個課程深入,怕提舉行小國論題。

出去演講,朗誦,說笑話和故事

可以用多一些普通話

我學習導師,助教和
同學也很好聽人



“Learning Fun in Daily Life”

幽默感

做 rap talk



我在課程中學到幽默,說話藝術和新穎,
並學到很多人生道理。

我覺得很開心! 😊

舒暢



“Thinking for the New Millennium”

製作模型

非常好又有趣, lunch又好好味! @!

不要在聖誕上堂

“A Beautiful World — Visual Arts Workshop”

廣告衫的自畫像。

老師很友善。



課室的東西很新和很先進

“Scientific Study of Genetics Through Fruit-flies”

我最深刻印象的是學會找出遺傳的結果。我亦很高興可以嘗試提取洋葱的DNA。

果蠅實驗

有些深奧,但有趣。

“Getting to Know Latin”

玩拉丁文「包剪鉗」

我最深刻的是認識到部份拉丁文字。我最喜歡話戲部份,雖然與同學「合作」時有爭吵,但令我感到十分深刻。

我希望可以教授多些生字,日常用語和一些分工合作的項目。可增加一至兩課。

“Mathematical World Beyond Imagination”

我對這個課程感到最喜歡的是：

撲黑牌

意六行

即心算最高分
很好玩



”The ‘Art’ of Mathematics”

建造自己的大樓。

老師很好，學到很多知識

有開心，有個熱誠的老師。

“Mathematical Puzzles 2010”

連成一團遊戲、星際迷宮遊戲、斜板迷宮

我希望這個課程的每一個課題能平均。
我亦希望能增加一節，叫做「自我介紹」讓同學們彼此了解，認識。

可玩Games，不是死背。
趣起FUN

我最喜歡同學的熱誠，在上課時有說有笑，一起討論。合作得非常愉快

“Funny Laboratory of Earth Science I”

到萬宜水庫看六角柱石。

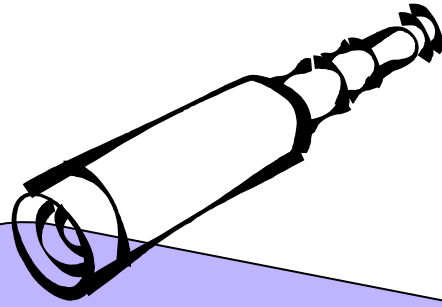
刺激豐富
收獲豐富

能清楚地介紹火山，礦物，岩石，隕石物鑑証。

採石礦石

“Liberal Studies — An Introduction to Philosophy, Religion and Scientific Culture”

Albert Einstein
Special relativity
哲學, 部份有關相對論



“A Glance at the Physical World”

我對這個課程最深刻的是對物質及太空的結構
週冷水和週熱水, 因為這令我大開眼界
十分開心, 可以獲得很多的知識
看有趣的影片

“The World of Logical Thinking — Introduction to Contract Bridge”

學會很多特約
叫牌制度可以說得更深入

Excellent

比賽

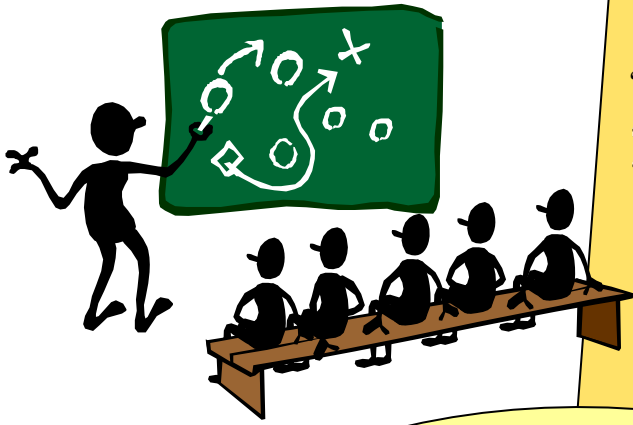
“Creative Digital Art Classroom — Digital Graphic Design and Desktop Publishing for Beginners”

我對這個課程最深刻或喜歡的是:

我可用不用之電腦軟件作畫
(因為以前未試過)

“Workshop on Oral Presentation Skills”

可以嘗試做主持, 司儀是
論調主持人和朗誦
全也喜歡, 很开心 ☺



"Personal Growth and Talent Development"

通過過程讓我們發揮自己的才能

最後一個活動，所有人蒙眼用繩和橡皮根去拿取圈裏的杯子。

很高興整個課程

"Economics Zone"

This course is quite interesting and I hope that I will have the chance to attend some other courses in the future.

- Game Theory
- Adam Smith
- Karl Marx
- Equilibrium & efficiency

Interesting & useful!

I learnt that economics is not just about money, it involves a lot of theories and isn't as simple as what I expected.

導師的講解生動有趣

"Funny Laboratory of Earth Science II"

♀ 地震實驗
♂ field trip

Go to Shek O and observe the rocks.

講解+足。=]

多面資料性講解
阿sir風趣幽默

見到超級結晶岩

Went to Shek O and observe the environment

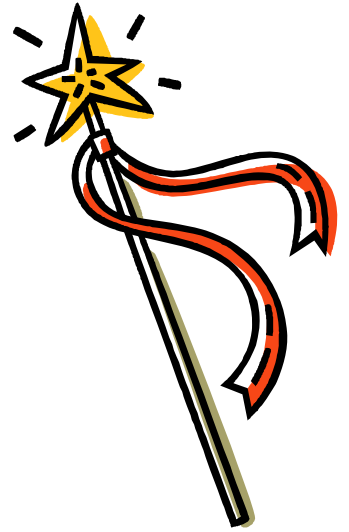
"Insights from Nature"

我最深刻的是最後一日的設計，要求
我們用創的想象力，做三種飛行器。

Most of the parts are fun

到溫室研究動植物

我極之滿意



"Back-of-envelope Calculation and Probability Modelling"

The ultraman and birbon worksheet

導師講解深入浅出

超人被怪翼獸殺掉

~~for~~ Dimensional Analysis

Choice of venue can be nearer to
the MTR station.

"Genes, Cells and Biotechnology"

學會了培植細菌及生物科技的應用。

About virus, 生化武器,
DNA etc.

DNA structure

我十分喜歡這個課程
內容非常多，甚為深入

“Introduction to Cognitive Science — A Thematic Study Group”

I am impressed by the teaching of the professor on the topics because although it is difficult but he used many interesting examples to let us understand.

The instructor presented all the ideas clearly and in a manner that keeps it from boring the students.

- Self-prepared presentations aided the understanding of topics a lot.
- Sometimes abstract concepts were a little bit challenging to grasp.

Learning information that I did not know before. Also I learned the large area that cognitive science covers, let me know what I like and dislike about this subject.

it gave me a better insight on the idea of the mind

“New Ideas from Great Economists”

導師對社會現象的獨到見解

4. Parent Activity

To help parents better understand their gifted children and develop effective parenting and communication skills, the Program for the Gifted and Talented organized 9 sessions of parent seminars and workshops, namely *Gifted Education and Related Resources in Hong Kong* (2 sessions), *Getting to Know Children – the Cognitive and Affective Characteristics and Needs of Gifted Students* (2 sessions), 「知孩善導 — 知孩篇」(2 sessions)、「親子溝通：「代溝」還是「待溝」？」、「抗逆先鋒(父母篇)」和「協助資優子女展潛能」during the course of the Winter Program.

For enquiry, please call us at 2603-7444 / 2603-7463 / 2603-7485.