

Incorporation of innovative learning context in our Summer Internship Programmes (SIP)

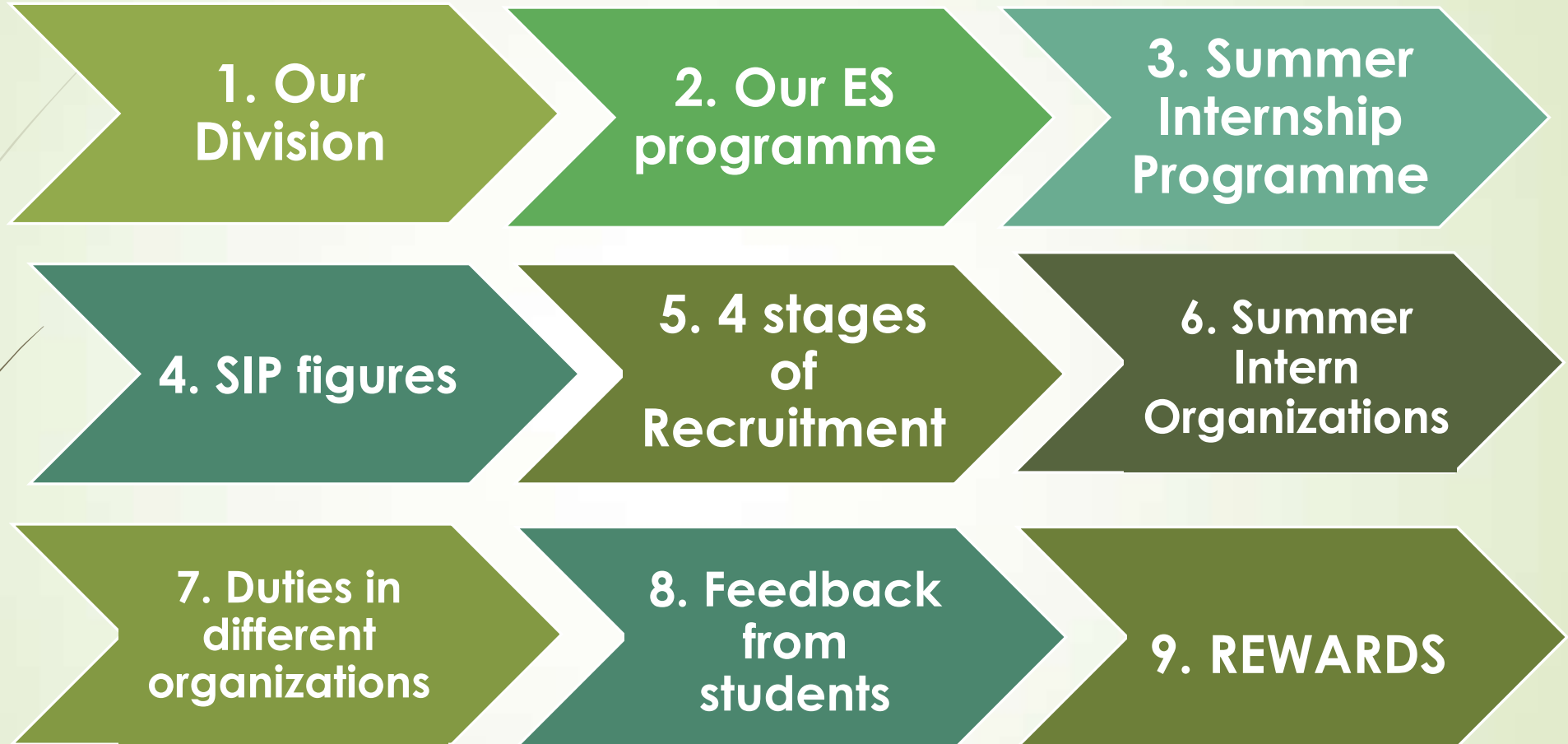


1

KIU Kin Yan

Community College of City University

Content



CONCLUSION

The Division of Applied Science and Technology (AST)

- The Division of Applied Science and Technology (AST) offers academic programmes in **various fields of science and technology** which enable the younger generation to experience **the application of different technologies** and help them prepare for further studies and career.
- Supported by experienced academic staff, we plan our curricula to provide students with the **basic principles, concepts and methods of application** in their chosen areas of study.
- We **organize internship, field trips** and **joint student projects** with various organizations, as well as visits and overseas exchanges to Taiwan, Japan, Singapore and elsewhere.
- **Seminars, career talks, competitions and social gatherings** are held regularly to enhance whole person development and peer learning among students.

Associate of Science in Environmental Studies (ASc in ES)

- This programme provides students with an entry point into a career as an **environmental professional**.
- Students acquire essential skills in
 - **monitoring,**
 - **measurement,**
 - **analysis, evaluation,**
 - **assessment and the**
 - **finding of solutions** to environmental problems in science, policy and regulation.
- This programme is designed to prepare students for a wide range of further studies programmes.



Help Deliver a
Better World

Associate of Science in Environmental Studies (ASc in ES)

- **Explain** concepts and methods fundamental to environmental studies;
- **Analyse and interpret** data using quantitative methods, and information technology systems, particularly with regard to environmental data, and especially for the purpose of planning and management;
- **Relate** environmental issues, activities, planning and management practices, as appropriate, to the socio-political, cultural and economic contexts of the region and beyond, as a participating and responsible member of civic society;
- **Perform** skilled tasks responsibly, in accordance with ethical norms, and produce outputs that meet quality standards;
- **Communicate** effectively, both orally and in writing, on environmental issues using English;
- **Relate** the major ideas in arts and humanities, science and technology to their own area of study.

Summer Internship Programme (SIP)

6

Summer Internship for Environmental Studies students

Against Stress and Tension



Summer Internship Programme



- Offer to full-time ASc in ES programme **since summer 2011**
- Our internship is all about getting **hands-on-experience**
- ~ **EIGHT weeks in summer**, students will be able to develop their own talents
- Students will be assigned **challenging projects designed to equip them with the essential skills and conservation awareness for real life**
- Students will have access to a **mentor** to support and provide regular performance feedback throughout the programme

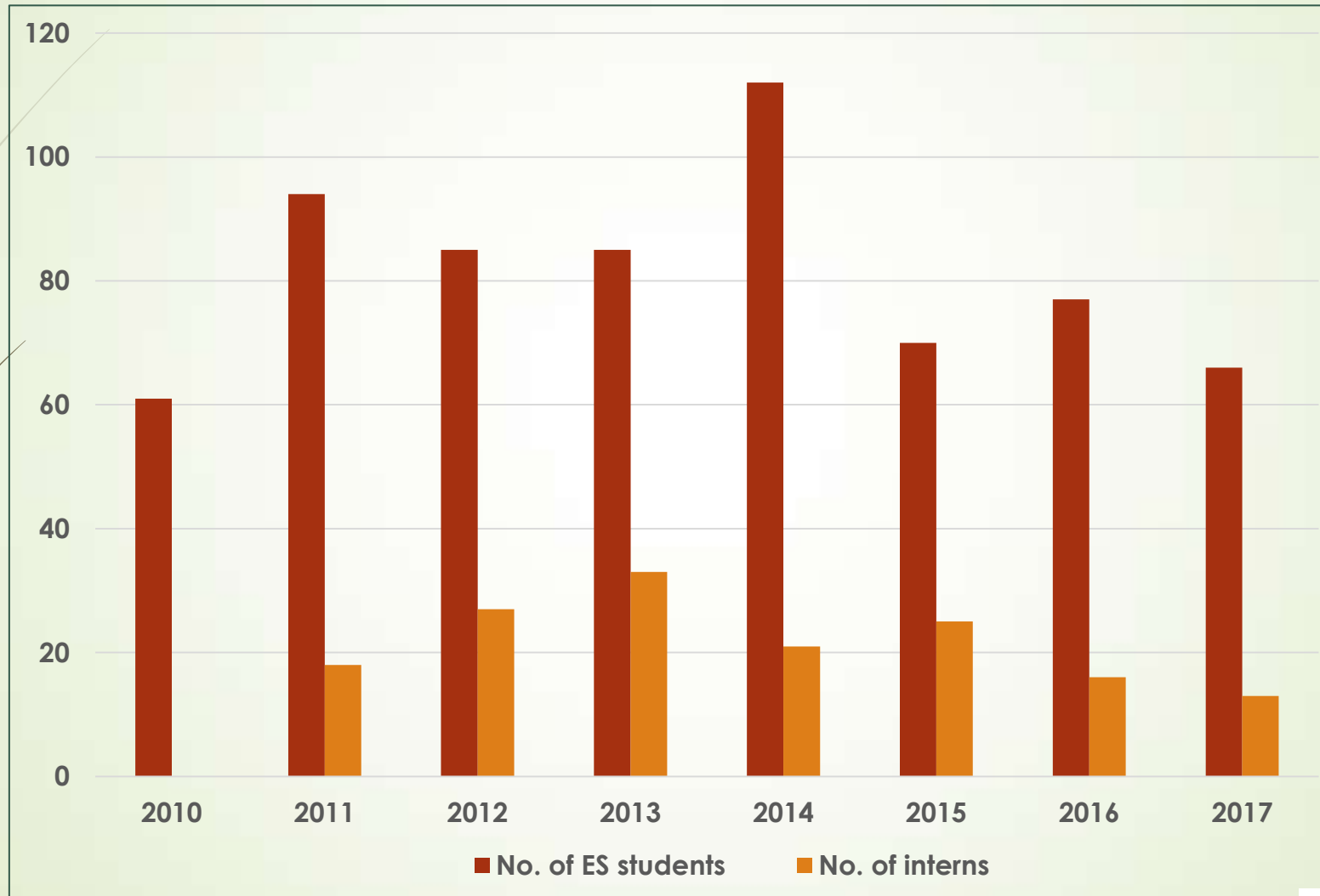
Summer Internship Programme



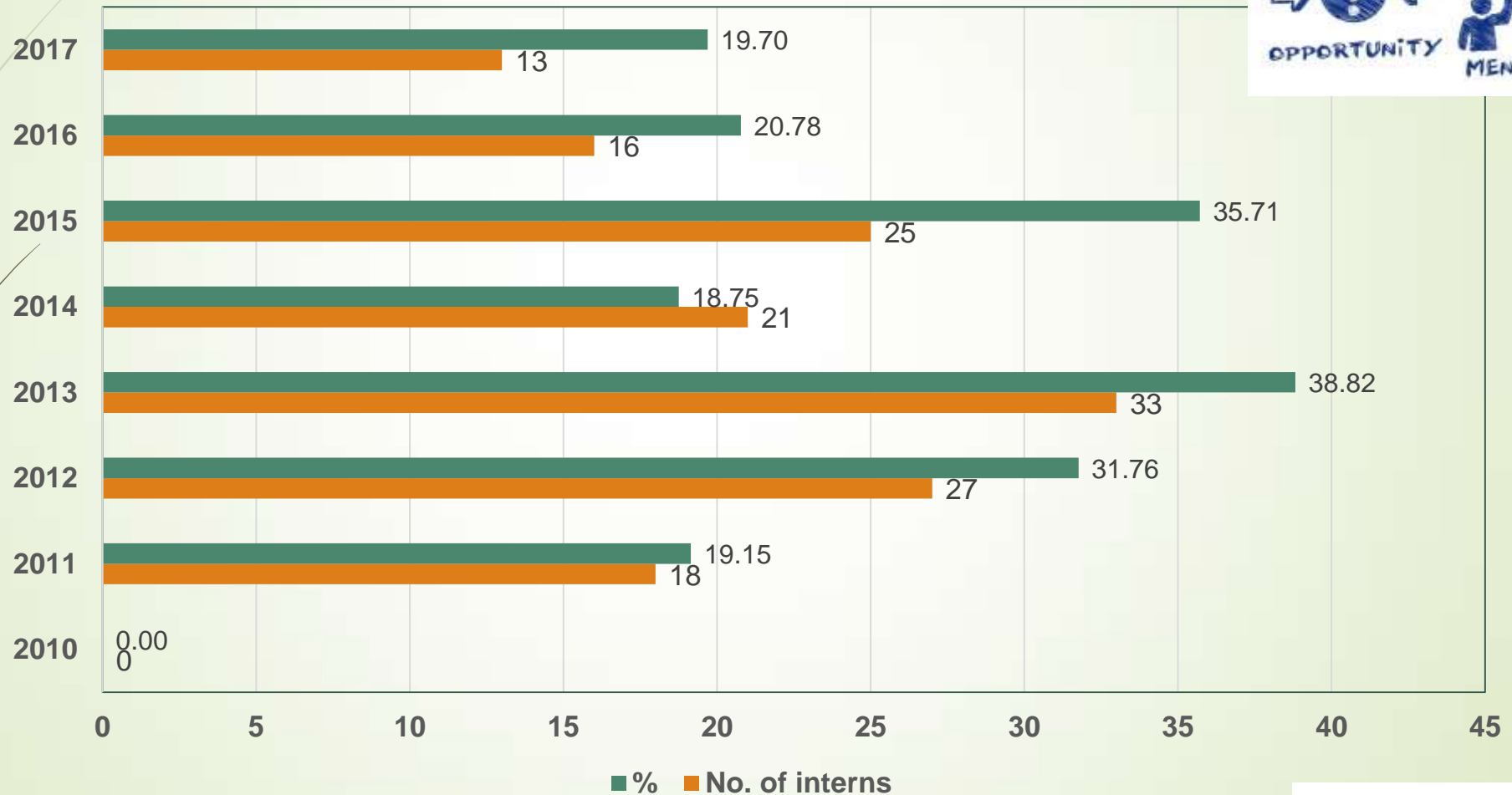
Innovative Learning

- There are several features offered by our SIP.
- First of all, our students are **at the centre of the learning process**, they have to actively engage in learning.
- Besides, learning should not be alone, therefore we should have **collaborative group work**.
- Moreover, there are **no assessment** and the internship itself is **non-credit bearing**.
- Fourthly, the programme **emphasizes skills** essential for succeeding in the future, such as observing, questioning, investigating, thinking in a critical way, developing plans and solving problems.
- Lastly, the students will not only **gain the knowledge and skills**, but also to builds the **positive attitude** towards such a complex world, that is to keep our natural environment healthy and use resources in a sustainable way.

No. of ES students vs No. of summer interns



No. of summer interns & %



FOUR stages of Recruitment

12

Summer Internship Programme

4 stages of Recruitment

Innovative
Learning

1. Before Intern Recruitment
2. Recruitment Stage
3. During Internship Period
4. After Internship



Summer Internship Programme

4 stages of Recruitment

Innovative
Learning



1. Before Intern Recruitment

- To **discuss** with organizations
- To **plan** the duration, time period, interns' roles, number of students, requirements, duties, etc.
- To **fill** in the intern organization form

Summer Internship Programme

4 stages of Recruitment

Innovative
Learning



2. Recruitment Stage

- To **brief** the students about the background of intern organizations and the duties
- To **receive** students' application forms
- To **interview** internally and externally by intern organizations

Students should have...

- A commitment to **conservation**
- An ability to **adapt to changing environments**
- An ability to **work respectfully**
- An ability to **take direction** from supervisors
- A **collaborative approach** to working with others
- A capacity for **ongoing learning**
- A keen interest to work with **local communities**



Summer Internship Programme

4 stages of Recruitment

Innovative
Learning



3. During Internship Period

- ➡ To **visit** the students from time to time
- ➡ To **review** the programmes with the intern organizations if necessary
- ➡ To **make** necessary improvements

Summer Internship Programme

4 stages of Recruitment



Innovative Learning

4. After Internship

- To **send** questionnaires to the intern organizations
- To **receive** feedback
- To **interview** students

Qualitative Approach



Summer Internship Organizations

19

Summer Intern Organizations....

- Conservation & Education Centre
- GeoPark
- Organic Farm
- Butterfly Reserve
- Horticultural Garden in Social Welfare Organization
- Botanical Garden
- Etc.



Duties in Summer Internship Organizations



Summer Interns in Conservation and Education Centre

- To learn the conservation concepts of the organizations
- To plan and implement education and promotion activities to raise the public awareness
- To assist the organization of workshops
- To design posters, booklets and exhibition boards



Summer Interns in GeoPark

- Participation of tours, talks, activities helpers
- Eco-survey at Yim Tin and Ma Shi Chau
 - Record the fauna and flora species from Sam Mun Tsai to Ma Shi Chau
 - Consolidate the data and analyse
- Fisheries Cultural and Eco Tour @ Lai Chi Chong
 - Plan the tours, including the mangrove and Fung Shui woods info search
 - Design the marine biodiversity game
 - Design guided book
 - Assist operation the tours
- Admin. Duty in the Centre



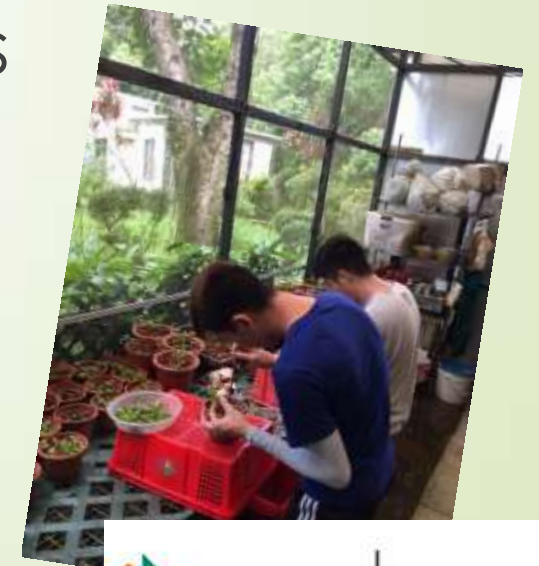
Summer Interns in Organic Farm

- To learn the concepts of organic farming
- To assist the operation of an organic farm
- To run farm produce sales stall
- To assist the guided tours and promote the organic concepts to the students and the general public
- To plan marketing strategy



Summer Interns in Butterfly Reserve

- To learn the identification of butterfly species
- To plant larval and nectar plants on site
- To carry out butterfly survey
- To plan and implement education activities in order to raise the public awareness



Feedback from Summer Interns

26

Summer Interns in Conservation & Education Centre

27

感受：對耕種感到新奇、有興趣，雖然戶外既時候好熱好曬，但都係難忘既經驗。

同職員、同學都有好既溝通，相處開心。

實質得著：🌾收成可以拎番屋企食，落完田同事請食西瓜🍉

心靈上得著：養蝴蝶、種田後收成感到滿足 當然enjoy

🐼🐼最後其實唔捨得走



Projects 做啲咩：

堆肥：將枯葉、雜草、豆渣等等有機物堆起鐵籠入面，定時淋水反堆，堆肥會自動升溫，隔一段時間會產生真菌將有機物分解，成為肥料，可以用返起耕種入面。

no-dig：好似迷你堆肥咁，起泥土上堆起有機物，再起上面加泥土種植，一方面補充泥土養分，另一方面減少生雜草機會。

養菌：利用有機物同酵素（飯、糖）養真菌，用於耕種

免水system：唔駛淋水既耕種方法

農墟活動：攤位遊戲，介紹6種水果花同水果。製作兩款水果特飲。

耕種：翻土除草，收割辣椒、粟米，育苗。

文職工作：製作poster、告示，過膠等文書工作，分發種子比農友。

學到咩：耕種技巧，對耕田用具既運用，農作物實際生長環境，機構運作模式，學會辨認蔬菜、水果。

Bowie

Summer Interns in Conservation & Education Centre

28

Projects 水果日for農墟 設計遊戲，創意飲料 學到點有效堆肥，免水system,苗圃運作

得著：親手嘗試農夫的工作
態度上：要任何野要細心觀察
技巧上：農業方面



Lee

Summer Interns in Conservation & Education Centre

29

I took part in a range of responsibility, from assisting (and also learning) in regular checking of farmers' croplands, to promotion of local organic farming to the general public.

In the internship, I have learnt many ecological and traditional, practical knowledges about organic farming and the environment, also, some public education skills.

Besides that, it is a good way to understand different views and thoughts through contacting with the staffs in the organization, local farmers, and the general public.

It could help in developing critical thinking and problem solving skills, even your life attitude --- respect.



Lily

Summer Interns in Conservation & Education Centre

30

During my internship (July), there was a local organic watermelon festival. It is my honor to contribute to such a great event. I was responsible to make a game set for attracting the citizens, especially the young generation. Fortunately, the feedback was quite good. Such a good experience made my memorable summer. Life would be enriched. Not just only **learning and taking a part in environmental education, but also meeting some friends**, no matter other interns, staffs, farmers. It is also a way for you to know more about yourself, especially your interested area, and career path.

Internship is a commendable opportunity in your tertiary education, it should be one of the “Five must-do things of university”.



Lily

Summer Interns in GeoPark Heritage Centre

學到好多野，包括NGO嘅運作等等。
現在才知道地質教育中心，除左地質，仲要掂生態同社區文化等嘅保育及教育。
學習及認識到生態物種，例如蝴蝶，紅樹等
亦都學到漁民文化，例如習俗等。
學到有些手工製作嘅技巧，怎樣弄才是最靚最好最快嘅方式。
亦學到了待人接物嘅態度，認識了上班嘅環境，如何充值自己往上爬。

呢個係一個好好嘅實習體驗，可以學到好多關於生態等嘅知識，提前體驗上班嘅環境，要做嘢嘅方式，對人嘅態度等。認真對待實習工作，就能夠學得到很多，發掘到更多自己嘅專長及興趣，能了解自己嘅特質，對自己嘅前途有幫助。

對自己寫cv，升學及就業有幫助
enjoy.

係度學到好多野，每個星期只係番3日，比較輕鬆，但係好多時候係中心做唔到嘢，因為有時斷wifi/慢🐼，所以要係屋企做

大佬們都好好，會成日教我地，指導我地，仲會請我地食野添😊

Kwan

Summer Interns in GeoPark Heritage Centre



Summer Interns in GeoPark Heritage Centre

- 1.知識上：地質知識，導賞技巧，漁民文化，辦公室工作模式
- 2.技巧上：運用不同嘅工具完成工作需要
包括 過膠機
- 3.態度上：不能夠高估自己嘅能力

我enjoy 今次係地質中心嘅
intern
期望可以在下個暑假再到地質
中心番intern

好多謝地質教育中心嘅每一位 比唔同嘅機會
我地去體驗NGO嘅工作
辛苦佢地去照顧我地幾個不才嘅intern

可以體會ngo嘅運作同努力
亦希望自己畢業後 能夠進入ngo工作 為環境
出一分力

Fung



Summer Interns in GeoPark Heritage Centre

我設計左一個中學生全日活動
同一本汀角導賞簿 角色系設計者
學到原來地質公園除左地質之外，
文化保育都好重要
一個幾難忘嘅體驗，發現冇想像中咁易，
一個導賞團幕後工作不太容易
好enjoy~



Winnie

Sumer Interns in GeoPark Heritage Centre

我跟過幾個project 包括2個field trip
assistant 3個project 籌備跟工作
第一，鴨洲團同東北團 assistant 負責照顧團
友安全同協助導賞員
第二，三個project籌備包括（三門仔定向遊
戲，漁村文化遊戲，汀角一帶嘅導賞簿）

三個project 籌備工作包括
第一，計劃定向遊戲嘅內容及check point
第二，設計一個有關“水上人”嘅語言嘅
漁民文化遊戲
第三，制定導賞簿嘅內容，包括決定路線
及內容
當中嘅角色係“監工”負責睇住工作嘅進
度及內容發展

Fung



Summer Interns in Organic Farm

實質或心靈上嘅得著...
種出黎既野得來不易，
辛苦左好耐做既野可以
比一場風吹爛晒
好enjoy ---

做啲咩? 耕田 賣菜 (農虛，公
司)
學到耕種技巧，香港農業而家嘅
發展，香港農業有咩出路
感想... 好辛苦，好好嘅體驗，
organic farm 真係好辛苦，
organic市場係香港其實幾大幾
受歡迎，搭車好貴☺ (希望學校
可以有資助)



Eric

Sumer Interns in Fung Yuen Butterfly Reserve

得著：

知識上：蝴蝶知識、植物知識(中草藥/樹木)

技巧上：導賞技巧、辨別蝴蝶技巧、標放蝴蝶技巧、園藝技巧

態度上：刻苦耐勞

鳳園蝴蝶保育區的工作：

1. 蝴蝶導賞(導賞員)
2. 園藝工作(清除雜草、更換盆栽、種植植物)
3. 工作坊
4. 標放蝴蝶
5. 製作植物牌



感想: 我十分感謝有這一次在鳳園的實習機會，感謝不只是因為鳳園令我得著甚多，學習到不同的動植物知識或導賞技巧，而是因為鳳園給了我一種溫暖。鳳園有別於其他實習地方的是鳳園規模小，所以地方小，工作人員小，實習生甚至多過長工，但正正因為這原因，彼此之間的相處時間多，所以大家很快打成一片。加上上司們又完全沒有架子，除了平日工作外，工餘時間更會約不同的活動(例如唱K、打羽毛球、夜行)，這令我在這暑假不但學習到蝴蝶知識，更過得開心充實。 實質得著: 完成實習後，可以成為兼職蝴蝶導賞員 (~\$400/2hrs)

KENNETH

Rewards for Summer Interns

38

REWARDS



Community College of City University
Division of Applied Science and Technology

	Excellent	Very Good	Good	Average	Poor	Nil
A. General Behaviour						
1. Attendance & Punctuality	5	4	3	2	1	N/A
2. Sense of Responsibility	5	4	3	2	1	N/A
3. Self-Motivation	5	4	3	2	1	N/A
4. Adaptability and Flexibility	5	4	3	2	1	N/A
5. Enthusiasm and Willingness to Learn	5	4	3	2	1	N/A
6. Reporting and Completion of Tasks on Time	5	4	3	2	1	N/A
7. Ability to Work Independently	5	4	3	2	1	N/A
8. Leadership Skills	5	4	3	2	1	N/A
9. Proper Appearance	5	4	3	2	1	N/A
B. Communication Skills and Interpersonal Skills						
1. Oral Communication Skills	5	4	3	2	1	N/A
2. Writing Skills	5	4	3	2	1	N/A
3. Cooperation	5	4	3	2	1	N/A
4. Relationship with Colleagues	5	4	3	2	1	N/A
C. Problem Solving Skills and Creative Thinking						
1. Ability to Solve Problems Independently	5	4	3	2	1	N/A
2. Creative and Ideas	5	4	3	2	1	N/A
D. Job Specific Skills						
1. Quality of Work	5	4	3	2	1	N/A
2. Ability to Learn New Skills and Apply them on the Jobs	5	4	3	2	1	N/A
3. Understanding of Job Duties	5	4	3	2	1	N/A
4. Effectiveness in Completing Tasks	5	4	3	2	1	N/A
5. Demonstration of Skills Necessary for Work	5	4	3	2	1	N/A



Community College of City University
Division of Applied Science and Technology

Job Duties of the intern (attached extra if necessary)

- Roof Garden design and production
- Plastic recycling
- Tour and workshop assistant
- Daily management of the center
- Leading promotion booth
- Ecological survey

What are the intern's strengths?

- Creative
- Self-motivate
- Persistent
- Responsible
- Rich ecological knowledge

Recommendations for improvement

Although Ma Ka Po is a good team member, the ability to work independently still needs to improve. Also her self-confidence is rather weak when facing a new task.

Additional comments or feedback on the intern's performance

Ma Ka Po is proactive and persistent in the environmental protection jobs especially in ecological part. She is a creative and self-motivate intern. Her curiosity is a great motivating source.

Overall Performance of the intern

Excellent	Very Good	Good	Average	Poor	Nil

Supervisor's Signature: _____ Date: 15/9/2015

Would you like to provide another opportunity for our students in next summer? ☒ Yes ☐ No

REWARDS

Students will

- Gain an insight and raise awareness of **conservation**
- Get an idea of the day-to-day reality
- Improve the **communication and personal skills**
- Explore **students' potential**
- Enhance **teamwork skills**
- Improve the **adaptability**



Conclusion

- 👍 Summer Internship Programme (SIP) can bring in-kind benefits to students by equipping them with knowledge on the real world practice and hands-on experience pertaining to environmental and conservation sectors.
- 👍 As the first career engagement among most of the students, the SIP can enhance their confidence and presentation skills via job-training.
- 👍 Co-operations / organizations can nurture a group of volunteers and active participants to serve and bring inspirations.
- 👍 High price-performance ratio can be gained by all parties.
- 👍 The SIP would be a signature and remarkable session throughout the academic years.

The Division of Applied Science and Technology (AST)

- ✉ Address :
 - Room 6416
 - Li Dak Sum Yip Yio Chin Academic Building
 - City University of Hong Kong
 - Tat Chee Avenue
 - Kowloon Tong
 - Hong Kong
- ☎ Tel: (852) 3442-7668
- 📠 Fax: (852) 3442-0519
- 💻 E-mail: kinykiu@cityu.edu.hk

THANK YOU