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SCIENCE TIP-TOP TALENT SCHEME

1+1

科學優才計劃

2019/20
現正接受報名
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I+1 科學優才計劃 I+1 Science Tip-top Talent Scheme

目的

香港青年協會於2013年首辦「I+1 科學優才計劃」，旨在培育科學資優生成為明日的科學家，並藉此激發他們對科學的熱忱。計劃主要是培訓學生的探究精神並提供動手實踐的機會，讓他們在科學及科技研究上有更全面及深入的體驗。

Objective

To encourage enthusiasm for science among talented youth, The Hong Kong Federation of Youth Groups first launched the "I+1 Science Tip-top Talent Scheme" in 2013, which aims to nourish gifted students who are the scientists of tomorrow. Inquiry-based training for the acquisition of research skills and comprehensive, in-depth, hands-on experience in scientific and technological research are central to the programme.

計劃的內容 Contents of the Scheme

Selected teams will participate in lab visit, community and promotional activities, so as to gain different levels of exposure, share their research experience and promote science and technology among the public.

體驗計劃 Exposure Programme

獲選隊伍將獲安排參觀實驗室、參與社區及宣傳活動，以獲得不同層面的體驗，分享科研的經驗及向公眾推廣科學與科技。

Selected teams will be guided by mentors with relevant expertise. They also have to report their research progress regularly, so as to collect professional advice from different fields of mentors.

師友計劃 Mentorship Programme

獲選隊伍將獲配對一位具相關專門知識的指導老師，並需定期向計劃的其他導師匯報研究進度，以收集各方的專業意見。

Each selected team will receive funding of up to HK\$12,000. Subject to the research arrangements and needs with mentors, selected teams may have the opportunity to use facilities and equipment in local universities.

研究資金 Research Funds

每支獲選隊伍將獲資助最高港幣12,000元的研究資金，並根據其研究需要及導師的安排，他們或有機會使用本地大學實驗室的設備及儀器。



申請資格

此計劃歡迎符合以下條件的香港全日制中學生參加：

- 2018/19學年15歲或以上的中三至中四學生（生於2004年7月1日或以前）
- 對科學、創新及科技充滿熱誠
- 有責任心及願意承擔
- 過去並無獲得此計劃的資助

每間學校最多只可提名3支隊伍參加，每支隊伍可由1至2名學生組成。

Eligibility

The Scheme is open to Hong Kong full-time secondary students who meet the following criteria:

- Secondary 3 to Secondary 4 students aged 15 or above (born on or before 1 July 2004)
- Has passion in science, innovation and technology
- Able to demonstrate commitment and responsibility
- Has not been awarded by the same Scheme before

Teams comprising 1 to 2 students must be nominated by schools. Each school may nominate up to 3 teams.

參與指導老師及學生分享 Sharing of Participating Mentor and Students

香港科技大學理學院生命科學部
周敬流教授 Prof. Chow King Lau
Division of Life Science, Faculty of Science,
The Hong Kong University of Science and Technology

科學 (STEM) 教育的精髓在這個計劃中表露無遺，從細心找出一個科學問題，制定假設，實驗設計，數據收錄，到假說的驗證，它是一個真正能讓學生們自我審視的過程，令他們更了解自己的喜好和能力，為他們的學術和職業前路作好準備。
The essence of science (STEM) education is best illustrated in this scheme, from being observant, identifying a scientific question, formulating hypothesis, experimental design, collection of data to verification of hypothesis, it is truly a self-discovery process. Students understand more about themselves, their passion and ability and get prepared for a productive journey in academia and career.



嘉諾撒聖心書院
鄭曉輝同學 Cheng Hiu Wa, Annie
Sacred Heart Canossian College

計劃給予我千載難逢的機會在大學實驗室內進行科學探究和實驗。在林博士的細心指導下，我對免疫學和遺傳學有了嶄新的看法，也對細胞培養技術有更多的認識。雖然我們曾經遇到不少的障礙，但我們總會以一句說話提醒自已：當你想退出時，先想想當初開始的理由。

This scheme has provided me a rare chance to conduct scientific investigation and experiments at university laboratories. Under the guidance of Dr. Lam, I have gained extra knowledge on immunology and genetics, as well as the practical cell culturing skills which are really inspiring. There were obstacles which made us want to quit, but we always remind ourselves: when you feel like quitting, remember why you started.



沙田崇真中學
毛頌婷同學 Mo Chung Ting
Shatin Tsung Tsin Secondary School

很高興能在過去一年參加這個計劃，讓我有機會在教授的指導下設計和研究一個自己有興趣的主題。過程中，我除了學懂更多有關科學的知識外，參與此計劃亦加深了我對科學的興趣。
I am glad to have joined this scheme last year. It provided me a chance to design and investigate a scientific research which I am interested in under the guidance of my mentor. Through the scheme, I acquired more scientific knowledge and my interest in science has also been deepened.

順德聯誼總會梁銑琚中學
古熙雯同學 Koo Hei Man
STFA Leung Kau Kui College

計劃給予我一個十分難得的機會，令我能在尚對科學懵懂之時便一窺科研的大門，絕對是一次可貴的經驗。過程中，不僅有幸踏入大學的實驗室進行研究，更能一嚐由設計實驗到實踐的滋味。雖然過程難免會遇到失敗及挫折，但每一個困難均令我更認清科研的道路絕不平坦，並向科學家的夢想邁進。

The scheme has provided me a great opportunity to get a glimpse at scientific researches when I was still in ignorance. It is definitely a precious experience. I not only have the opportunity to work in a university laboratory, but was also given a chance to design and conduct experiments. Although failure is unavoidable, it can always strengthen my mind to chase after my dream of being a scientist.

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