

Teaching Unit
教學單元

Hong Kong Biodiversity (Secondary 4)

This unit aimed to guide students to use design thinking to explore Hong Kong's unique "biodiversity" and "urban cultural symbols". Students were required to anthropomorphise biological characteristics for character design, using humorous techniques to reflect the life of Hong Kong people, and combining traditional patterns (such as breeze blocks and patterned tiles), using positive and negative space and laser cutting technology to design a mobile phone stand with both cultural connotations and practical functions.

香港生物多樣性（中四）

本單元旨在引導學生運用設計思維，探索香港獨特的「生物多樣性」與「城市文化符號」。學生需將生物特徵進行擬人化角色設計，以幽默手法反映香港人的生活面貌，並結合傳統圖案（如通花鐵閘、花磚），運用正負空間及雷射切割技術，設計出一款兼具文化內涵與實用功能的文創手機座。

PENG Lok-ching

彭樂晴

This work aimed to display and promote Hong Kong's biodiversity and traditional culture. The design used the Black-faced Spoonbill commonly seen in wetlands, and traditional flower plaques as subject matters, and incorporated the elements of Hong Kong "workers", thereby showing the local customs and the demeanour of Hong Kong people. It was hoped that it could arise tourists' attention to Hong Kong's unique ecology and deepen their understanding of Hong Kong's local culture.

本作品以展現與宣傳香港的生物多樣性及傳統文化。設計以濕地常見的黑臉琵鷺和傳統花牌為素材，並融入香港「打工仔」的元素，藉此展現本土風情與港人風貌。希望能引起旅客對香港獨特生態的關注，並加深他們對香港本土文化的了解。

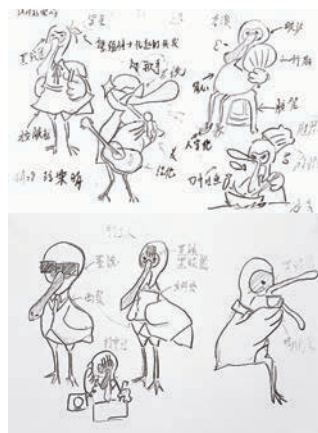
Figurative Depiction and Observation
具象描繪與觀察

Through collecting information and realistic sketching, students understood the characteristics and shapes of the animals.

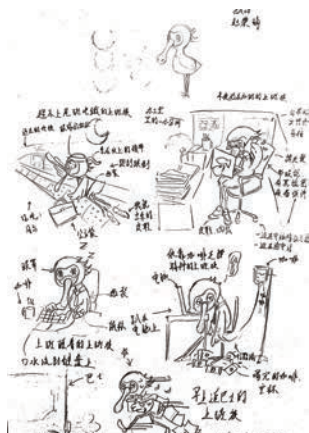
通過資料搜集及寫實素描，以了解動物特徵和形態。

Character Design through Anthropomorphisation and Cartoonisation
運用擬人化及卡通化手法設計角色

Added expressions and actions.
加入表情和動作。



Added props and clothing.
加入道具與服飾。



Based on natural creatures, used lines and geometric shapes to simplify design images.

以自然生物為基本，運用線條和幾何圖形簡化、設計圖像。



Black-faces Spoonbill Mobile Phone Stand Design

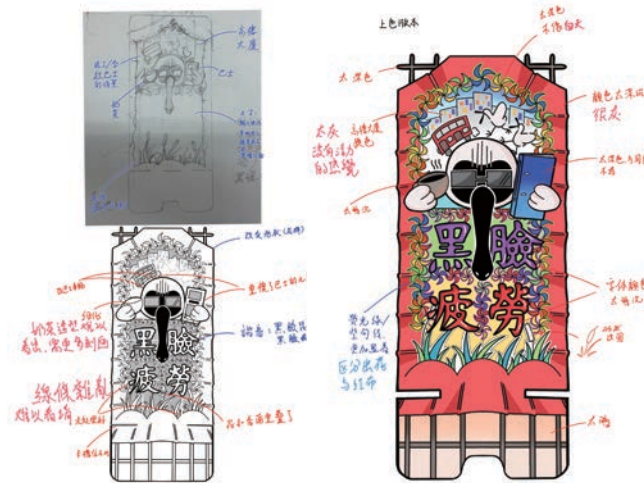
黑臉琵鷺手機座設計



Idea Development
意念發展

Extracted Hong Kong cultural elements -- flower plaque, added some characteristics of the black-faced spoonbill.

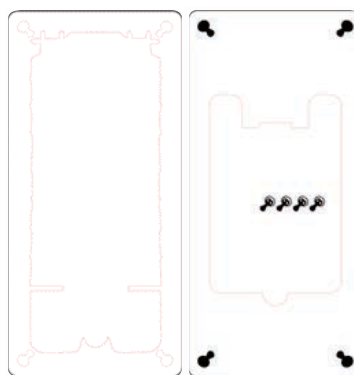
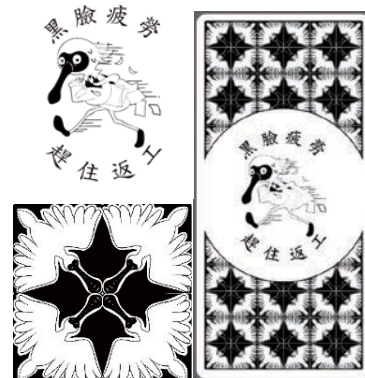
選取香港文化元素——中式花牌，從中加入黑臉琵鷺特徵。



Designed Packaging Cover
設計包裝封面

-Character design + combined with breeze block/mosaic tile design (repetition and symmetry)

-角色設計+結合通花牆/紙皮石圖案（重複和對稱）



Packaging Cover and Packaging Opening Position.
包裝封面和包裝開合位置。

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SHEK Yuen-man

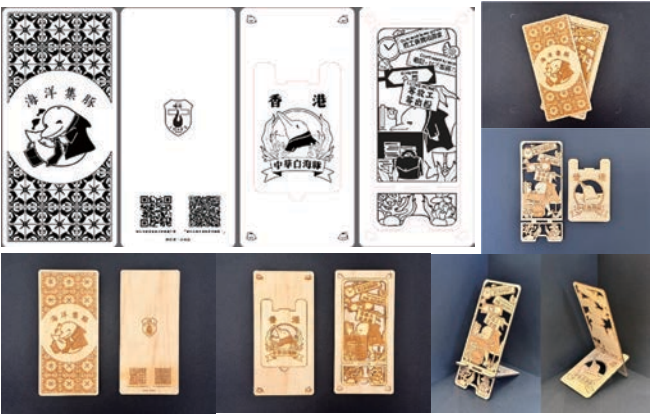
石宛汶

Chinese White Dolphin Mobile Phone Stand Design

中華白海豚手機座設計

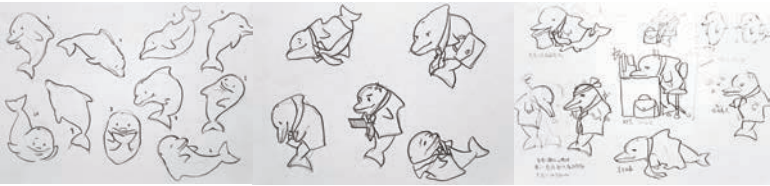
This design combined the representative Chinese White Dolphin with local elements to transform into an interesting "office worker". The dolphin's streamlined appearance and swimming speed symbolised Hong Kong people's pursuit of a highly efficient fast-paced life. It maintained the characteristic of ultrasonic communication, which echoed suitably to Hong Kong people's keen observation and tacit understanding. Through introducing this resonant shape, the designer would like to attract public attention to the white dolphin ecology, while showcasing Hong Kong's unique traditional culture and urbanite characteristics.

本設計將具代表性的中華白海豚結合本地元素，化身為有趣的「上班族」。海豚流線外型與游速，象徵港人追求高效的生活節奏；其超聲波交流特性，則呼應港人敏銳觀察與心領神會的默契。期盼透過此作品引發共鳴的造型，吸引大眾關注白海豚的生態，同時展現香港獨特的傳統文化與城市特色。



Figurative Depiction and Observation
具象描繪與觀察

After collecting information, observed the characteristics and shapes of the animals through sketching.
搜集資料，藉素描觀察動物特徵和形態。



Character Design: Anthropomorphisation and Cartoonisation
Character Setting: Added expressions and actions - Added props and clothing
角色設計：擬人及卡通化
設定角色：加入表情和動作-加入道具與服飾

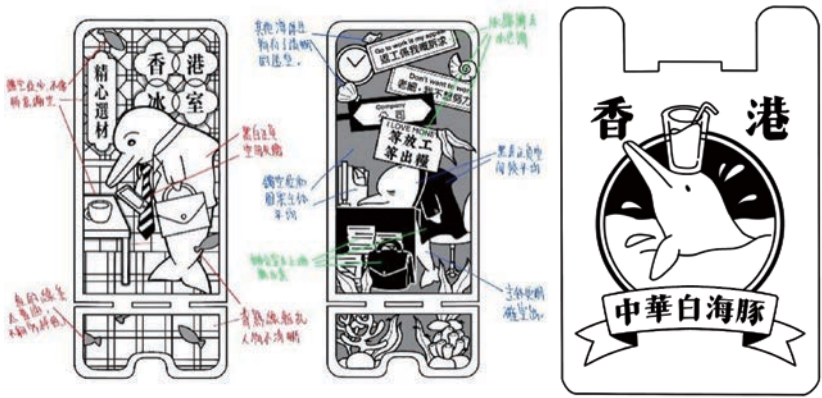
Through mini exercises, learned to use principles of organisation such as repetition and symmetry to design dynamic and balanced breeze blocks and mosaic tile patterns.
藉小練習，學習運用重複和對稱組織原理，設計具動感、均衡的通花牆和紙皮石圖案。



Based on the Chinese White Dolphin, using lines and geometric shapes for simplified images and designs.
以中華白海豚為基本，運用線條和幾何圖形進行簡化圖象和設計。

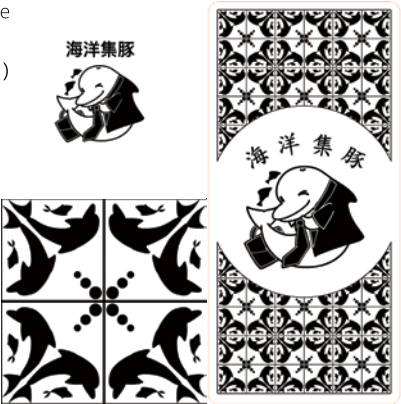
Idea Development
意念發展

Combined selected cultural elements of Hong Kong office workers, with the characteristics of the Chinese White Dolphin for image improvement.
選取香港上班一族的文化元素，加以中華白海豚特徵發展圖象。

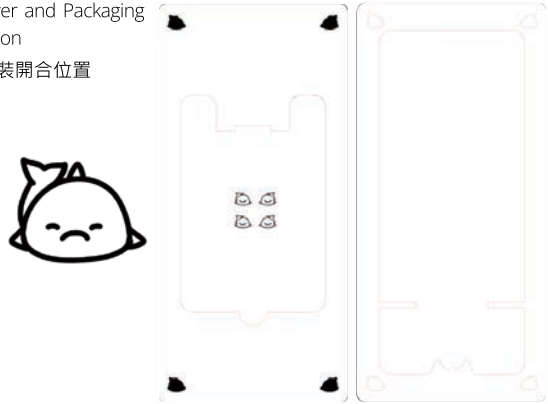


Designed Packaging Cover
設計包裝封面

-Character design + combined with breeze block/mosaic tile design (repetition and symmetry)
-角色設計+結合通花牆/紙皮石圖案（重複和對稱）



Packaging Cover and Packaging Opening Position
包裝封面和包裝開合位置



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LAW Suet-yi
羅雪兒

Leopard Cat Mobile Phone Stand Design
豹貓手機座設計

This design featured the native animal "Hong Kong Leopard Cat" as the main character. Its nocturnal habits are just like the rich nightlife of Hong Kong people, and its cool appearance echoes the characteristic of Hong Kong people, being cold on the outside but warm at heart. The work integrated the charm of the leopard cat and local traditional elements, hoping to arouse the public's understanding and attention to Hong Kong's unique ecology and the gradually fading local culture.

本設計以本土原生的「香港豹貓」為主角。其夜行習性宛如港人豐富的夜生活，冷酷外表則呼應港人外冷內熱的特質。作品融合豹貓魅力與本地傳統元素，藉此喚起大眾對香港獨特生態，以及逐漸式微的本土文化的認識與關注。



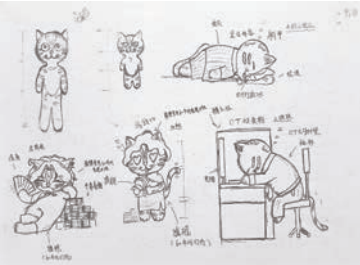
Figurative Depiction
and Observation
具象描繪與觀察

Understood and analysed the characteristics and form of the leopard cat through collecting information and sketching.

藉資料搜集和素描了解並分析豹貓的特徵和形態。

Character Design through
Anthropomorphisation and Cartoonisation
運用擬人化及卡通化手法設計角色

Added expressions and actions.
加入表情和動作。

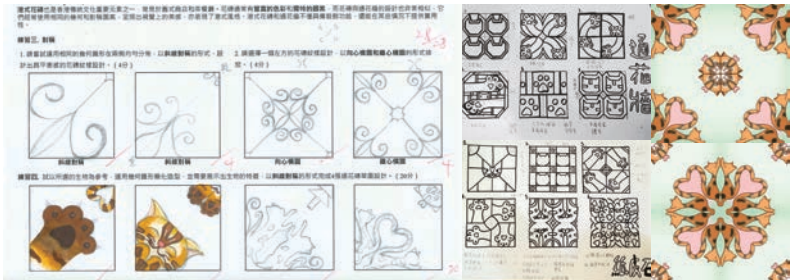


Added props and clothing.
加入道具與服飾。

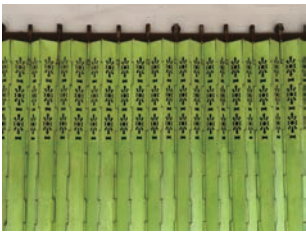


Based on natural creatures, used lines and geometric shapes to simplify design images.

以自然生物為基本，運用線條和幾何圖形簡化、設計圖象。

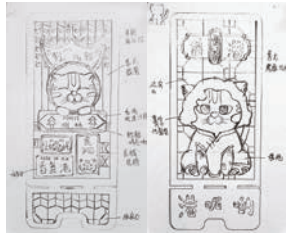


Idea Development
意念發展

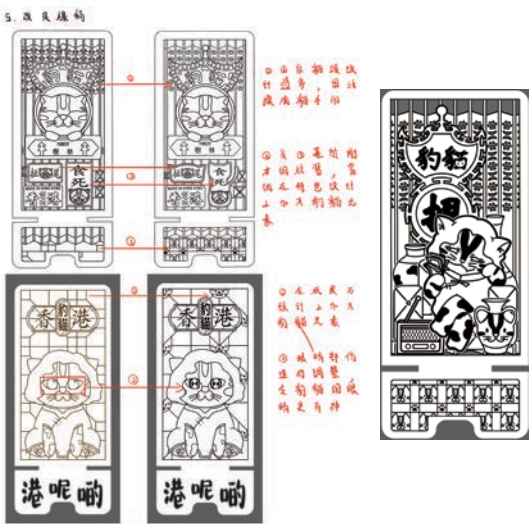


Extracted Hong Kong cultural elements (such as iron gates) + leopard cat characteristics.

抽取香港文化元素如鐵閘 + 豹貓特徵



Developing Images and Refining the Design
發展圖象並修訂設計



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