



福建中學(小西灣)  
FUKIEN SECONDARY SCHOOL  
(SIU SAI WAN)

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### 招標書

學校檔號: T18/2025-2026

掛號郵件

執事先生:

#### 邀請招標

#### 承投重招——學校IT創新實驗室計劃-購置硬件及提供服務

1. 現誠邀貴公司承投提供隨附的投標附表上所列的物料或服務。倘貴公司不擬接納部分訂貨，請於投標附表上清楚註明。

2. 入標公司必須提交整套標書一式兩份，並放置信封內封密(供應商不可在信封面上顯示該公司的身份)。信封面應清楚註明:「承投重招——學校IT創新實驗室計劃-購置硬件及提供服務投標書」

投標書應寄往中國香港小西灣富怡道二號福建中學(小西灣)校務處收，並須於**2026年4月22日 4:15 PM**前送達上述地址。逾期的投標，概不受理。貴公司的投標書有效期為90天，由上述截止截標日期起計。如在該90天內仍未接獲訂單，則是次投標可視作落選論。另外亦請注意，貴公司必須填妥投標表格第II部分，否則標書概不受理。

3. 倘貴公司未能或不擬報價/投標，亦請盡快把投標表格寄回上述地址，並列明不擬投標的原因。

4. 學校邀請招標承投所需物品/服務時，會以\*「整批」/「分組」/「分項」形式考慮接受供應商的書面報價/投標。

福建中學(小西灣)校長



梁健文博士啟

2026年4月1日

## 承投重招——學校IT創新實驗室計劃-購置硬件及提供服務的投標表格

學校名稱及地址： 福建中學(小西灣)  
香港小西灣富怡道二號

學校檔號： T18/2025-2026

截標的日期和時間： 2026年4月22日 4:15 PM

**第I部分**

下方簽署人願意按照所列的價格(其他費用全免)，以及校方提供的任何圖則及/或規格，供應夾附的投標附表上所列的全部或部分項目，而交貨期限已於正式訂單上註明。下方簽署人知悉，所有未經特別註明的項目，如已在英國標準規格內有所訂明，則須符合該等規格，投標書由上述截止日期起計90天內仍屬有效；校方不一定採納索價最低的投標書或任何一份投標書，並有權在投標書有效期內，採納某份投標書的全部或部分內容。下方簽署人亦保證其公司的商業登記及僱員補償保險均屬有效，而其公司所供應的各個項目並無侵犯任何專利權。

**第II部分****再行確定投標書的有效期**

有關本投標書的第I部分，現再確定本公司的投標書有效期由\_\_\_\_\_上述截標日期起計為90天。

下方簽署人亦同意，投標書的有效期一經再行確定，其公司就該事項註明於投標表格內的預印條文，即不再適用。

**第III部分**

承辦人、其僱員及代理人不得向其所屬學校僱員、校董會/法團校董會成員，或負責考慮與本標書及合約相關事宜的有關委員會的任何人士(包括家長或學生代表)提供利益，(香港法例第201章《防止賄賂條例》所界定的利益)。承辦人、其僱員及代理人向有關人士提供任何利益，根據《防止賄賂條例》可構成罪行，並可導致標書及合約無效。學校亦可取消有關標書及合約，而承辦人須為其所屬學校所蒙受的任何損失或損害負人法律責任。

**第IV部分**

為確保服務質素，承辦商不可把服務/採購工作分判予第三者。

(a) 事先未獲校方的法團校董會書面同意，承辦商不得分判、轉讓或出讓或處置合約或其任何部分或任何權利及義務。

(b) 事先未獲校方的法團校董會書面同意，承辦商不得就履行合約的任何部分，與任何人訂立任何分判合約。如承辦商認為有需要分判部分工作或服務，承辦商便必須提交建議的分判合約予校方的法團校董會審批。法團校董會保留權利批准分判，以及決定分判合約的條款及條件。

(c) 承辦商即使就履行合約的任何部分訂立任何分判合約，仍須承擔全部責任，不可免除有關義務，並須就次承辦商、其僱員及代理人的作為、失責或疏忽行為負責。

**第V部分**

即使報價/招標文件中有任何相反的規定，學校保留以供應商曾經、正在或有理由相信供應商曾經或正在作出可能構成或導致發生危害國家安全罪行的行為或活動為由，取消其供應商資格的權利，又或為維護國家安全，或為保障香港的公眾利益、公共道德、公共秩序或公共安全，而有必要剔除有關供應商。

日期： \_\_\_\_\_年 \_\_\_\_\_月 \_\_\_\_\_日

姓名(請以正楷填寫)： \_\_\_\_\_

簽署人： \_\_\_\_\_

職銜： \_\_\_\_\_ (請註明職位，例如董事、經理、秘書等)

上方簽署人已獲授權，代表：

\_\_\_\_\_ 公司簽署投標書，該公司在

香港註冊的辦事處地址為 \_\_\_\_\_

電話號碼： \_\_\_\_\_ 傳真號碼： \_\_\_\_\_

書面報價內容要求(須填寫一式兩份)

第(4)、(5)和(6)欄由投標者填寫

承辦商必需欄寫以下表格，以“Refers to Quotation”回覆等則不考慮

(1) 項目	(2) 要求細則	(3) 數量	(4) 單價 (HK\$)	(5) 總額 (HK\$)	(6) 補充描述 「Yes」或「No」或補充
<b>1</b>	<b>Micro:bit Football Machine Training Course</b>				
<b>Task</b>	<p>This course provides students with the opportunity to apply sensors through coding.</p> <p>They will gain hands-on experience by solving practical challenges, such as building and controlling a Micro:bit football machine.</p> <p>Students will assemble the football machine, code it, and use Micro:bit to manage its direction.</p> <p>The course utilizes collaborative online platform, students will create intelligent devices on Micro:bit and collaboratively solve challenges using block coding in groups.</p> <p>Suggested Course Outline:</p> <ol style="list-style-type: none"> <li>1) Introduction to Robot Machine Kit</li> <li>2) Assembling car and testing</li> <li>3) Skills design and programming</li> <li>4) Calibration and Competition</li> </ol>				
<b>1.1</b>	<p>Providing Teaching Services (The Course)</p> <ul style="list-style-type: none"> <li>● 4 classes, total of 140 Junior Form students</li> <li>● 5 hours per class</li> <li>● 1 instructor + 1 teaching assistant per class</li> </ul> <p>Other Requirements:</p> <ul style="list-style-type: none"> <li>● Instructor and teaching assistant should have coding experience or related qualification.</li> <li>● Service provider must have at least 5 years of coding teaching experience.</li> <li>● Interactive coding platform that supports AI auto-grading and feedback for personalized learning will be used.</li> <li>● The lessons will be recorded for students' and teachers' revision.</li> <li>● The successful bidder MUST provide full set of the lesson plan for teachers to do the revision before the lesson.</li> <li>● The successful bidder MUST provide full set of the lesson notes, worksheet or PowerPoint Slides for students to do the revision after lesson.</li> <li>● The company MUST provide the proof of teaching relevant course (with teaching experience of Micro:bit in Secondary School is preferable) with in-classroom teaching experience. Any type of proof including certification, reference letter from school is acceptable.</li> <li>● Provide the certificate for competition (With the School and Company Logo)</li> </ul>	1			

(1) 項目	(2) 要求細則	(3) 數量	(4) 單價 (HK\$)	(5) 總額 (HK\$)	(6) 補充描述 「Yes」或「No」或補充
<b>1.2</b>	Providing Hardware <ul style="list-style-type: none"> <li>• Infrared Grayscale Sensor(High-low level) x 2</li> <li>• Buzzer x 1</li> <li>• Infrared Receiver (NEC decoder) x 1</li> <li>• LED Lights (High-low level control) x 2</li> <li>• RGB Ambient Light (16 million colors) x 4</li> <li>• SR04, SR04P Ultrasonic Interface(5V) x 1</li> <li>• IIC Interface (5V) x 1</li> <li>• Servo Interface (S1 S2)x 2</li> <li>• Gravity Extension Interfaces (P0, P1, P2) x 3</li> <li>• N20 Al-metal Gear Motor x 2</li> <li>• Motor Drive Mode: PWM motor drive</li> <li>• Dimension: 81mm x 85 mm x 44mm/3.19 x 3.35 x 1.73in</li> </ul> - Included transportation fee	48			
<b>1.3</b>	Providing Single Board Computer <ul style="list-style-type: none"> <li>• Processor (SoC): Nordic nRF52833 (with Arm Cortex-M4 with FPU)</li> <li>• Flash ROM Storage Size: 512 KB (KiloByte)</li> <li>• RAM Storage Size: 128 KB (KiloByte)</li> <li>• Microphone: MEMs microphone and LED indicator</li> <li>• Speaker: On-board speaker</li> <li>• Wireless Capability: 2.4GHz Radio and BLE Bluetooth 5.0</li> <li>• Edge Connector: 25 pins.</li> <li>• (4 dedicated GPIO, PWM, i2c, SPI and ext. power. 3 ring pins for connecting crocodile clips/banana plugs.</li> <li>• Notched for easier connection)</li> <li>• Size: 5cm(w) x 4cm(h)</li> </ul> - Included transportation fee	96			
<b>1.4</b>	Providing Competition Components Include: <ul style="list-style-type: none"> <li>• Soccer goal</li> <li>• Map</li> <li>• Stationery, scissors, etc.</li> </ul> - Included transportation fee	4			

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2	<b>VR/AR Training Course</b>				
<b>Task</b>	<p>Students will learn how to design and create their own 3D world, understand the basic concept of VR and AR and use block coding to make the objects (e.g. created furniture, persons, animals, ...) interact with their virtual world.</p> <p>Suggested Course Outline:</p> <ol style="list-style-type: none"> <li>1) Exploring 3D models, Augmented Reality (AR) and Virtual Reality (VR) platform</li> <li>2) Rules in the classroom</li> <li>3) Experiencing Four Seasons</li> <li>4) Building your dream house</li> <li>5) Going to the Zoo</li> </ol>				
<b>2.1</b>	<p>Providing Teaching Services (The Course)</p> <ul style="list-style-type: none"> <li>• 4 classes, total of 140 Junior Form students</li> <li>• 5 hours per class</li> <li>• 1 instructor + 1 teaching assistant per class</li> </ul> <p>Other Requirements:</p> <ul style="list-style-type: none"> <li>• Instructor and teaching assistant should have coding experience or related qualification.</li> <li>• Service provider must have at least 5 years of coding teaching experience.</li> <li>• Interactive coding platform that supports AI auto-grading and feedback for personalized learning will be used.</li> <li>• The lessons will be recorded for students' and teachers' revision.</li> <li>• The successful bidder MUST provide full set of the lesson plan for teachers to do the revision before the lesson.</li> <li>• The successful bidder MUST provide full set of the lesson notes, worksheet or PowerPoint Slides for students to do the revision after lesson.</li> <li>• The company MUST provide the proof of teaching relevant course (with teaching experience of AR/VR in Secondary School is preferable) with in-classroom teaching experience. Any type of proof including certification, reference letter from school is acceptable.</li> </ul>	1			
<b>2.2</b>	<p>Providing Virtual Reality Headset</p> <ul style="list-style-type: none"> <li>• Display Resolution: 2064 x 2208 Resolution Per Eye</li> <li>• Refresh Rate: 72Hz, 90Hz, 120Hz</li> <li>• Sensors: Redesigned Touch Controllers</li> <li>• Speaker: Built-in Speakers</li> <li>• RAM Storage Size: 8 GiB (Gibibyte)</li> <li>• Storage: 512 GB (Gigabyte)</li> </ul> <p>- Included transportation fee</p>	6			

(1) 項目	(2) 要求細則	(3) 數量	(4) 單價 (HK\$)	(5) 總額 (HK\$)	(6) 補充描述 「Yes」或「No」或 補充
2.3	<p>Providing 360 Degree Camera</p> <ul style="list-style-type: none"> <li>• Sensor Size: 1/1.28"</li> <li>• Lens Aperture: F2.0</li> <li>• Focal Length: 6mm</li> <li>• Dimensions: 4.87 by 1.46 by 1.01 inches</li> <li>• Sensor Type: CMOS</li> </ul> <ul style="list-style-type: none"> <li>● 360 Video Resolution Video Mode: 8K: 7680x3840@30/25/24fps 5.7K+: 5760x2880@30/25/24fps 5.7K: 5760x2880@60/50/48/30/25/24fps 4K: 3840x1920@120/100/60/50/48/30/25/24fps</li> </ul> <p>360 Video Resolution InstaFrame 2.0 (flat video): 4K: 3840x2160@30/25/24fps 1080p: 1920x1080@30/25/24fps InstaFrame 2.0 (360 video): 5.7K+: 5760x2880@30/25/24fps</p> <p>PureVideo Mode: 8K: 7680x3840@30/25/24fps 5.7K: 5760x2880@30/25/24fps 4K: 3840x2160@30/25/24fps</p> <ul style="list-style-type: none"> <li>● Single-Lens Video Resolution Video Mode: 4K: 3840x2160@60/50/30/25/24fps 2.7K: 2720x1536@60/50/30/25/24fps 1080p: 1920x1080@120/100/60/50/30/25/24fps</li> </ul> <p>FreeFrame Video: 4K: 3840x3840@30/25/24fps 2.7K: 2720x2720@60/50/30/25/24fps 1080p: 1920x1920@60/50/30/25/24fps</p> <p>Me Mode: 4K: 3840x2160@30/25/24fps 2.7K: 2720x1536@120/100/60/50/30/25/24fps 1080p: 1920x1080@120/100/60/50/30/25/24fps</p>	6			

	<p>PureVideo Mode:  4K: 3840×2160@30/25/24fps  2.7K: 2720×1536@30/25/24fps  1080p: 1920×1080@30/25/24fps</p> <ul style="list-style-type: none"> <li>● Photo Resolution  Approx. 72MP (11904x5952)  Approx. 18MP (5888x2944)</li> <li>● Shutter Speed  Photo: 1/8000 - 120s  Video: 1/8000 - to the limit of frames per second</li> <li>● ISO range: 100 – 6400</li> <li>● Video Coding: H.264, H.265</li> <li>● Max. Video Bitrate: 180 Mbps</li> <li>● White Balance: 2000K-10000K</li> <li>- Included transportation fee</li> </ul>			
2.4	<p>Software Subscription:  Web-based, AI-powered 3D models, Augmented Reality (AR) and Virtual Reality (VR) platform (First Seat / Admin Seat)</p> <ul style="list-style-type: none"> <li>- One-time payment per license plan</li> <li>- Included service charge</li> </ul>	1		
2.5	<p>Software Subscription:  Web-based, AI-powered 3D models, Augmented Reality (AR) and Virtual Reality (VR) platform (Additional Seats)</p> <ul style="list-style-type: none"> <li>- One-time payment per license plan</li> <li>- Included service charge</li> </ul>	139		

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<b>3</b>	<b>Co-curricular activity for Micro:bit Remote Ship Training Course</b>				
	<p>This course provides students opportunity in applying sensors by coding.</p> <p>Students build experience by solving some practical challenges as Micro:bit Remote ship. Students will assemble remote ship, code and use Micro:bit to control their remote ship's direction and motion.</p> <p>Students will code by using collaborative online platform that integrates with AI technology. They can make intelligent devices on Micro:bit and solve challenges by blocks-coding collaboratively in groups.</p> <p>Suggested Course Outline:</p> <ol style="list-style-type: none"> <li>1) Introduce the Remote Ship and briefing instructions</li> <li>2) Assemble the boat</li> <li>3) Experimenting the boat</li> <li>4) Modify the boat by adding gadgets</li> <li>5) Competition</li> </ol>				
<b>Task</b>					
	<p>Providing Teaching Services (The Course)</p> <ul style="list-style-type: none"> <li>• 4 classes, total of 140 Junior Form students</li> <li>• 5 hours per class</li> <li>• 1 instructor + 1 teaching assistant per class</li> </ul> <p>Other Requirements:</p> <ul style="list-style-type: none"> <li>• Instructor and teaching assistant should have coding experience or related qualification.</li> <li>• Service provider must have at least 5 years of coding teaching experience.</li> <li>• Interactive coding platform that supports AI auto-grading and feedback for personalized learning will be used.</li> <li>• The lessons will be recorded for students' and teachers' revision.</li> <li>• The successful bidder MUST provide full set of the lesson plan for teachers to do the revision before the lesson.</li> <li>• The successful bidder MUST provide full set of the lesson notes, worksheet or PowerPoint Slides for students to do the revision after lesson.</li> <li>• The company MUST provide the proof of teaching relevant course (with teaching experience of Micro:bit in Secondary School is preferable) with in-classroom teaching experience. Any type of proof including certification, reference letter from school is acceptable.</li> <li>• Please provide the certificate for competition (With the School and Company Logo)</li> </ul>	1			
<b>3.1</b>					

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<b>3.2</b>	Providing Hardware Kit Set of Remote Ship  Remote Ship Kit Set, each set includes: <ul style="list-style-type: none"> <li>• Container</li> <li>• The extension board for the Single Board Computer at item 3.3 + battery holder</li> <li>• Motor and fan blade</li> <li>• Blu-tack</li> </ul> - Included transportation fee	48			
<b>3.3</b>	Providing Single Board Computer <ul style="list-style-type: none"> <li>• Processor (SoC): Nordic nRF52833 (with Arm Cortex-M4 with FPU)</li> <li>• Flash ROM Storage Size: 512 KB (KiloByte)</li> <li>• RAM Storage Size: 128 KB (KiloByte)</li> <li>• Microphone: MEMs microphone and LED indicator</li> <li>• Speaker: On board speaker</li> <li>• Wireless Capability: 2.4GHz Radio and BLE Bluetooth 5.0</li> <li>• Edge Connector: 25 pins.</li> <li>• (4 dedicated GPIO, PWM, i2c, SPI and ext. power. 3 ring pins for connecting crocodile clips/banana plugs.</li> <li>• Notched for easier connection)</li> <li>• Size: 5cm(w) x 4cm(h)</li> </ul> - Included transportation fee	96			
<b>3.4</b>	Pool for Remote Ships operating - Included transportation fee	4			
<b>4</b>	<b>Basic AI Maker Training Course</b>				
<b>Task</b>	The course introduces students to AI concepts and responsibilities by applying different AI technology and training AI models with Microsoft Azure Cognitive Services and Google Teachable Machine.  Upon completing the course, students can consolidate what they learn by turning AI concepts into practical applications.  Suggested Course Outline: 1) Introduction to AI 2) Object Detection 3) Image Classification 4) Face 5) Pose Detection 6) Speech 7) Chatbot and Text analytics 8) AI, how do you learn 9) Is AI invincible 10) Make your own app				
	The course introduces students to AI concepts and responsibilities by applying different AI technology and training AI models with Microsoft Azure Cognitive Services and Google Teachable Machine.  Upon completing the course, students can consolidate what they learn by turning AI concepts into practical applications.  Suggested Course Outline: 1) Introduction to AI 2) Object Detection 3) Image Classification 4) Face 5) Pose Detection 6) Speech 7) Chatbot and Text analytics 8) AI, how do you learn 9) Is AI invincible 10) Make your own app				

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4.1	<p>Providing Teaching Services (The Course)</p> <ul style="list-style-type: none"> <li>• 4 classes, total of 140 Junior Form students</li> <li>• 10 hours per class</li> <li>• 1 instructor + 1 teaching assistant per class</li> </ul> <p>Other Requirements:</p> <ul style="list-style-type: none"> <li>• Instructor and teaching assistant should have coding experience or related qualification.</li> <li>• Service provider must have at least 5 years of coding teaching experience.</li> <li>• Interactive coding platform that supports AI auto-grading and feedback for personalized learning will be used.</li> <li>• The lessons will be recorded for students' and teachers' revision.</li> <li>• The successful bidder MUST provide full set of the lesson plan for teachers to do the revision before the lesson.</li> <li>• The successful bidder MUST provide full set of the lesson notes, worksheet or PowerPoint Slides for students to do the revision after lesson.</li> <li>• The company MUST provide the proof of teaching relevant course (with teaching experience of AI lesson in Secondary School is preferable) with in-classroom teaching experience. Any type of proof including certification, reference letter from school is acceptable.</li> </ul>	1			
4.2	<p>Providing Tablet Computer</p> <ul style="list-style-type: none"> <li>• Operation System: iPadOS</li> <li>• MUST support ASM (Apple School Manager) or DEP (Apple Device Enrollment Program)</li> <li>• Processor (SoC): M3 Chip: 8-core CPU with 4 performance cores and 4 efficiency cores 9-core GPU, 16-core Neural Engine</li> <li>• RAM Storage Size: 8 GiB (Gibibyte)</li> <li>• Storage: 256 GB (Gigabyte)</li> <li>• Display Screen: 11" (inch) LED backlit Multi-Touch display with IPS technology</li> <li>• 2360-by-1640-pixel resolution at 264 ppi Wide color (P3) 500 nits brightness</li> <li>• Wireless Capability: Wi-Fi 6E (802.11ax), 2x2 MIMO and Bluetooth 5.3</li> <li>• Power button include TouchID</li> </ul> <p>- Included transportation fee</p>	35			

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<b>5</b>	<b>Co-curricular activity for Microsoft AI-900 Certificate Training Course</b>				
<b>Task</b>	<p>To familiarize students with basic AI concept, limitation and ethic through practical exercises and prepare them for Microsoft AI-900 certificate exam.</p> <p>In this course, students will learn how to apply AI technology and train AI model with Microsoft Azure Cognitive Services and Google Teachable Machine.</p> <p>Suggested Course Outline:</p> <ol style="list-style-type: none"> <li>1) Introduction to AI</li> <li>2) Fundamental of Machine Learning</li> <li>3) Explore computer vision in Microsoft Azure</li> <li>4) Natural Language Processing (NLP) on Azure</li> <li>5) Conversational AI on Azure</li> <li>6) Responsible AI</li> </ol>				
<b>5.1</b>	<p>Providing Teaching Services (The Course)</p> <ul style="list-style-type: none"> <li>• 1 class, total of 35 Junior Form students</li> <li>• 10 hours per class</li> <li>• 1 instructor + 1 teaching assistant per class</li> <li>• Teach and learn on a real-time interactive collaborative coding platform</li> </ul> <p>Other Requirements:</p> <ul style="list-style-type: none"> <li>• Instructor should obtained Microsoft AI-900 Certificate with coding experience or related qualification.</li> <li>• Teaching assistant should have coding experience or related qualification.</li> <li>• Service provider must have at least 5 years of coding teaching experience.</li> <li>• Microsoft Global Training Partner is a MUST.</li> <li>• Interactive coding platform that supports AI auto-grading and feedback for personalized learning will be used.</li> <li>• The lessons will be recorded for students' and teachers' revision.</li> <li>• The successful bidder MUST provide full set of the lesson plan for teachers to do the revision before the lesson.</li> <li>• The successful bidder MUST provide full set of the lesson notes, worksheet or PowerPoint Slides for students to do the revision after lesson.</li> </ul>	1			
<b>5.2</b>	<p><b>Microsoft AI-900 Exam Voucher</b> (total of 35 students) - Include pass guarantee</p>	35			

(1) 項目	(2) 要求細則	(3) 數量	(4) 單價 (HK\$)	(5) 總額 (HK\$)	(6) 補充描述 「Yes」或「No」或 補充
<b>6</b>	<b>Co-curricular activity for Micro:bit Hovercraft Training Course</b>				
<b>Task</b>	<p>This course provides students with an opportunity in applying sensors by coding. Students build experience by solving some practical challenges such as Micro:bit Hovercraft. Students will assemble hovercraft, code and use Micro:bit to control hovercraft's direction and motion. Students will code by using collaborative online platform that integrates with AI technology. They can make intelligent devices on Micro:bit and solve challenges by blocks-coding collaboratively in groups.</p> <p>Suggested Course Outline:</p> <ol style="list-style-type: none"> <li>1) Introduce the physics behind Hovercraft and briefing instructions</li> <li>2) Assembling of Hovercraft</li> <li>3) Test out the Hovercraft</li> <li>4) Competition</li> </ol>				
<b>6.1</b>	<p>Providing Teaching Services (The Course)</p> <ul style="list-style-type: none"> <li>• 4 classes, total of 140 Junior Form students</li> <li>• 5 hours per class, 1 lesson per class, 5 hours per lesson</li> <li>• 1 instructor + 1 teaching assistant per class</li> </ul> <p>Other Requirements:</p> <ul style="list-style-type: none"> <li>• Instructor and teaching assistant should have coding experience or related qualification.</li> <li>• Service provider must have at least 5 years of coding teaching experience.</li> <li>• Interactive coding platform that supports AI auto-grading and feedback for personalized learning will be used.</li> <li>• The lessons will be recorded for students' and teachers' revision.</li> <li>• The successful bidder MUST provide full set of the lesson plan for teachers to do the revision before the lesson.</li> <li>• The successful bidder MUST provide full set of the lesson notes, worksheet or PowerPoint Slides for students to do the revision after lesson.</li> <li>• The company MUST provide the proof of teaching relevant course (with teaching experience of Micro:bit in Secondary School is preferable) with in-classroom teaching experience. Any type of proof including certification, reference letter from school is acceptable.</li> <li>• Please provide the certificate for competition (With the School and Company Logo)</li> </ul>	1			

(1) 項目	(2) 要求細則	(3) 數量	(4) 單價 (HK\$)	(5) 總額 (HK\$)	(6) 補充描述 「Yes」或「No」或補充
6.2	Providing Hardware Kit Set of Hovercraft Hovercraft kit set, each set includes: <ul style="list-style-type: none"> <li>• 1 Control board for motor and servo controller</li> <li>• 1 Hovercraft main frame (plywood)</li> <li>• 8 Wooden spacers (plywood)</li> <li>• 1 Top rudder holder (plywood)</li> <li>• 1 Bottom rudder holder (plywood)</li> <li>• 1 Engine holder (plywood)</li> <li>• 1 Wooden wedge (plywood)</li> <li>• 90 Deg holders (plywood)</li> <li>• 1 Cardboard box cut out for raft and rudder</li> <li>• 2+2 Propellers (2 spares)</li> <li>• 1 Lithium (LiPo) battery for the Control board</li> <li>• 1 Servo w/servo horn</li> <li>• Nylon screws</li> <li>• 15 Nuts</li> <li>• 5 Copperbarrel nuts</li> <li>• rubber rings</li> <li>• Plastic bag (air pocket)</li> <li>- Included transportation fee</li> </ul>	48			
7	<b>Programming x Competition Support Course</b>				
<b>Task</b>	<p>This course is designed for students who are interested in joining technology innovation competitions and developing prototype through text-based programming.</p> <p>The course will guide participants through the essential steps for successfully competing in an AI competition, from understanding the rules and scoring systems to training and testing models, designing UI, prototyping and developing presentation skills.</p> <p>Suggested Course Outline:</p> <ol style="list-style-type: none"> <li>1) Getting start to join a competition</li> <li>2) Model training and testing</li> <li>3) Implementation</li> <li>4) Introduction to Presentation Skill</li> <li>5) Competition</li> </ol>				

(1) 項目	(2) 要求細則	(3) 數量	(4) 單價 (HK\$)	(5) 總額 (HK\$)	(6) 補充描述 「Yes」或「No」或補充
7.1	<p>Providing Teaching Services (The Course)</p> <ul style="list-style-type: none"> <li>• 1 class, total of 12 Senior Form students</li> <li>• 20 hours per class</li> <li>• 1 instructor per class</li> </ul> <p>Other Requirements:</p> <ul style="list-style-type: none"> <li>• Instructor should have coding experience or related qualification.</li> <li>• Service provider must have at least 5 years of coding teaching experience.</li> <li>• Interactive coding platform that supports AI auto-grading and feedback for personalized learning will be used.</li> <li>• The lessons will be recorded for students' and teachers' revision.</li> <li>• The successful bidder MUST provide full set of the lesson plan for teachers to do the revision before the lesson.</li> <li>• The successful bidder MUST provide full set of the lesson notes, worksheet or PowerPoint Slides for students to do the revision after lesson.</li> <li>• The company MUST provide the proof of teaching relevant course (with experience of guiding and leading the students to participate competition in Secondary School is preferable) with in-classroom teaching experience. Any type of proof including certification, reference letter from school is acceptable.</li> </ul>	1			
7.2	<p>Providing Single Board Computer with sensors</p> <p>Single Board Computer Part:</p> <ul style="list-style-type: none"> <li>• Processor (SoC): Broadcom BCM2712 2.4GHz quad-core 64-bit (with Arm Cortex-A76 CPU, with cryptography extensions, 512KB per-core L2 caches and a 2MB shared L3 cache)</li> <li>• RAM Storage Size: 4 GiB (Gibibyte)</li> <li>• Wireless Capability: 1. Dual-band 802.11ac Wi-Fi 2. BLE Bluetooth 5.0</li> </ul> <p>Connector: 1. microSD card slot, high-speed SDR104 mode</p> <ul style="list-style-type: none"> <li>2. 2 × USB 3.0 ports, simultaneous 5Gbps operation</li> <li>3. 2 × USB 2.0 ports</li> <li>4. Gigabit Ethernet</li> <li>5. 2 × 4-lane MIPI camera/display transceivers</li> <li>6. 5V/5A DC power via USB-C, with Power Delivery support</li> <li>7. Edge Connector: 40 pins</li> </ul> <ul style="list-style-type: none"> <li>• With 27W USB-C Power Supply</li> </ul> <p>Sensors Part:</p> <ul style="list-style-type: none"> <li>• Grove - Dual Button</li> <li>• Webcam</li> <li>• Gravity: Digital Piranha LED</li> <li>• Grove - 4 pin Female Jumper to Grove 4 pin Conversion Cab</li> <li>• Grove - 4 pin Male Jumper to Grove 4 pin Conversion Cable</li> <li>• Male-male jumper cable</li> <li>• Female-male jumper cable</li> <li>• Female-female jumper cable</li> <li>• or other components</li> <li>- Included transportation fee</li> </ul>	4			

(1) 項目	(2) 要求細則	(3) 數量	(4) 單價 (HK\$)	(5) 總額 (HK\$)	(6) 補充描述 「Yes」或「No」或補充
8	<b>Game Development Training Course</b>				
<b>Task</b>	<p>Though Real-Time Development Platform Unity, student will learn coding and taste how to design a game.</p> <p>Topics include lighting setup, geometry system, visual scripting, random stream, variables and functions.</p> <p>After standard training, students will also try to create their own games.</p> <p>Suggested Course Outline:</p> <ol style="list-style-type: none"> <li>1) Introduction to Unity</li> <li>2) Real-time creation</li> <li>3) Essential real-time 3D object</li> <li>4) Essential of real-time audio</li> <li>5) Essential of real-time 2D</li> <li>6) Snake Game</li> </ol>				
8.1	<p>Providing Teaching Services (The Course)</p> <ul style="list-style-type: none"> <li>• 1 class, total of 16 Senior Form students</li> <li>• 15 hours per class</li> <li>• 1 instructor per class</li> </ul> <p>Other Requirements:</p> <ul style="list-style-type: none"> <li>• Instructor should have coding experience or related qualification.</li> <li>• Service provider must have at least 5 years of coding teaching experience.</li> <li>• Interactive coding platform that supports AI auto-grading and feedback for personalized learning will be used.</li> <li>• The lessons will be recorded for students' and teachers' revision.</li> <li>• The successful bidder MUST provide full set of the lesson plan for teachers to do the revision before the lesson.</li> <li>• The successful bidder MUST provide full set of the lesson notes, worksheet or PowerPoint Slides for students to do the revision after lesson.</li> <li>• The company MUST provide the proof of teaching relevant course (with teaching experience of Unity in Secondary School is preferable) with in-classroom teaching experience. Any type of proof including certification, reference letter from school is acceptable.</li> </ul>	1			

(1) 項目	(2) 要求細則	(3) 數量	(4) 單價 (HK\$)	(5) 總額 (HK\$)	(6) 補充描述 「Yes」或「No」或補充
8.2	Providing Notebook Computer <ul style="list-style-type: none"> <li>• Operation System: MacOS</li> <li>• MUST support ASM (Apple School Manager) or DEP (Apple Device Enrollment Program)</li> <li>• Processor (SoC): M4 Chip: 8-core CPU with 4 performance cores and 6 efficiency cores 10-core GPU, 16-core Neural Engine</li> <li>• RAM Storage Size: 16 GiB (Gibibyte) unified memory</li> <li>• Storage: 256 GB (Gigabyte)</li> <li>• Display Screen: 15.3" (inch) LED backlit Multi-Touch display with IPS technology, Liquid Retina display with True Tone</li> <li>• 2880-by-1864-pixel resolution at 264 ppi Wide color (P3) 500 nits brightness</li> <li>• Wireless Capability: Wi-Fi 6E (802.11ax) and Bluetooth 5.3</li> <li>• Power button include TouchID</li> <li>• Keyboard: 78 (ANSI) or 79 (ISO) keys including 12 full-height function keys and 4 arrow keys in an inverted-T arrangement</li> <li>• Camera: 12MP Center Stage camera with support for Desk View</li> <li>• 12MP Center Stage camera with support for Desk View</li> <li>• Height: 1.15 cm (0.45 inch)</li> <li>• Width: 34.04 cm (13.40 inches)</li> <li>• Depth: 23.76 cm (9.35 inches)</li> <li>• Weight: 1.51 kg (3.3 pounds)</li> </ul> - Included transportation fee	8			
	Delivery <ul style="list-style-type: none"> <li>• Includes all hardware and software of the project. (Also, the item stated "- Included transportation fee")</li> </ul> Deliver to the school (15 Fu Yee Road, Siu Sai Wan, Hong Kong)	1			
	<b>Others</b> <ul style="list-style-type: none"> <li>• Priority will be given to a trainer team with a good academic background (e.g., Degree in Computer Science) and over five years of experience in providing training services for primary and secondary schools. (Please provide proof of that)</li> <li>• To ensure the teaching quality, the company MUST provide a simple set that include:               <ul style="list-style-type: none"> <li>• Teaching plan for at least 1 lesson by each course that the company would like to bid for</li> <li>• Lesson notes, worksheet or PowerPoint Slides at least 1 lesson by each course that the company would like to bid for</li> </ul> </li> <li>• To ensure the teaching quality, the company MUST provide the reference letter(s) signed and chopped by Secondary School</li> <li>• All the lessons listed above should use an interactive learning coding platform that:               <ol style="list-style-type: none"> <li>1) Integrates Microsoft MakeCode for creating AI Web Apps and Micro:bit devices to enhance coding learning experiences. (For the course that are using Micro:bit, which is item 1.1, 3.1 and 6.1)</li> <li>2) Supports learning management features that can distribute notes to students, allow student work submission, receive AI feedback, and use Q&amp;As for student performance evaluation to enhance teaching and learning efficiency.</li> <li>3) Supports AI auto-grading and feedback for personalized learning.</li> </ol> </li> <li>• The on-site face-to-face lessons should have a contingency plan to switch to remote teaching lessons.</li> </ul>				

備註：

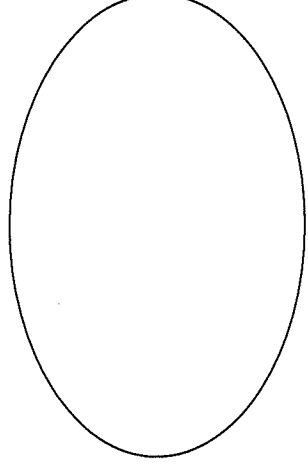
1. 本次採購涵蓋9個獨立項目，允許供應商僅針對獨立項目報價，不強制要求全部項目響應。
2. 強制性定價資訊：競投人必須在指定欄 (4) 和 (5) 中為每項商品提供具體的單價和總金額。提交的條目包括“請參閱報價”、“待確認”、“根據要求”或留空，將被視為不合規並可能被拒絕。
3. 合規聲明：對於每項項目，投標人必須在第 (6) 欄中標記“是”或“否”來表明擬議產品是否符合所列規格。有關擬議產品功能的任何補充描述或澄清必須在同一欄中提供，另外，供應商報價的項目，將會審查其是否完全滿足該項目的資格要求、技術參數、服務標準及供貨週期等約束條件，審查通過後方可確認為有效報價。請留意每個項目的「Task」內容，確認是否能符合相關要求，方可在該項第(6)欄中標記。「Suggested Course Outline」為課程框架參考，如有需要可於第(6)欄作出建議，如空間不足可另行附上文件作陳述。
4. 保固續約：供應商需在保固期屆滿前至少一個月與學校聯繫，討論並確認學校對續保服務合約的意向。
5. 中選判定：單個項目中，若某供應商（可僅報部分項目）提交的報價為該項目所有有效報價中的最低值並符合所列規格，即該供應商有可能為該項目的合作供應商。
6. 項目1.2、項目1.3、項目1.4、項目2.2、項目2.3、項目2.4、項目2.5、項目3.2、項目3.3、項目3.4、項目5.2、項目6.2及項目7.2 必須在訂單確認後1個月內送達；項目4.2及項目8.2必須於2個月內送達。如未能在指定期限內送貨，學校將把物品從其他地方採購，供應商須承擔差價。課程服務類項目，即所有項目分項1（項目1.1、項目2.1、項目3.1、項目4.1、項目5.1、項目6.1、項目7.1及項目8.1），需要學校磋商日期時間安排。

本機構 / 本人明白，如收到學校訂單後未能供應招標文件上所列服務，本機構 / 本人須負賠償學校從另處採購上述服務的差價。

報價者: \_\_\_\_\_

由獲授權簽署招標書的代表姓名: \_\_\_\_\_ 簽署: \_\_\_\_\_

日期: \_\_\_\_\_



公司印鑑

## 申報利益表

1. 你在福建中學(小西灣)內有沒有人或業務利益關係(註譯1)? 有/沒有#  
如有的話，請說明。

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2. 你的家人或親屬(註譯2)有沒有擔任此學校的現任職位? 有/沒有#  
如有的話，請提供姓名及關係。

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### 註譯

(註譯1)個人利包括你參予經營 / 承包學校的各項服務等。

(註譯2)你的家人或你的親屬包括:

- (a) 你的配偶;
- (b) 你的父母;
- (c) 你的配偶父母;
- (d) 你的兄弟姊妹及其配偶; 以及
- (e) 你或你的配偶的子女及其配偶。

申報人簽署: \_\_\_\_\_ 申報人姓名: \_\_\_\_\_ 日期: \_\_\_\_\_

#請將不適用者刪去

## 不擬投標通知書

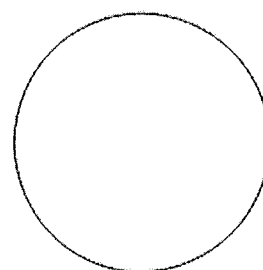
敬啟者：

本公司現知會 貴校，本公司不擬投標 貴校學校重招——學校IT創新實驗室計劃-購置硬件及提供服務 [學校檔號：T18/2025-2026] 之項目，原因如下：

- 未能提供標書所示服務或產品
- 未能達到標書所示要求或規格
- 未能於截標限期前遞交標書
- 其他(請註明)\_\_\_\_\_

此致

福建中學(小西灣)



公司印鑑

公司名稱：\_\_\_\_\_

公司負責人姓名：\_\_\_\_\_

公司負責人簽署：\_\_\_\_\_

日期：\_\_\_\_\_

回郵標籤

供應商必須使用以下格式的回郵標籤，同時不可在信封面上顯示任何能識別報價者身份的資料。

福建中學(小西灣)  
小西灣富怡道二號  
校長收啟

承投「重招——學校IT創新實驗室計劃-購  
置硬件及提供服務」標書  
標書編號：T18/2025-2026

限閱文件