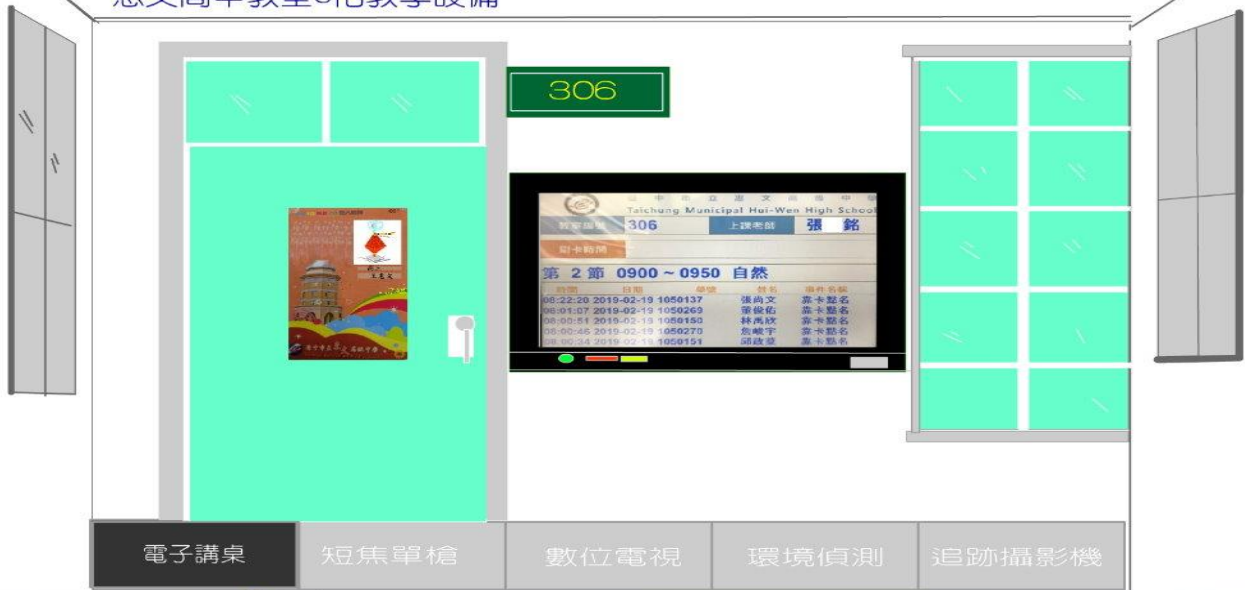


臺中市立惠文高中校園景觀導覽說明(HWSH Guided commentary)

- 科技. 效率. 創意的惠文高中智慧校園
- 教室設備: 門禁刷卡系統、e化講桌、多功能教室環境偵測系統、追蹤直播錄放影系統(含攝影機及數位電視直播視訊廣播系統)
- **【請按鍵連結影片瀏覽】**

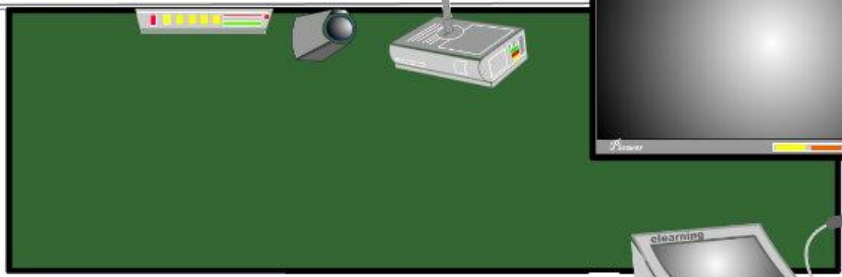
惠文高中教室e化教學設備



惠文高中教室e化教學設備



惠文高中教室e化教學設備



電子講桌 短焦單槍 數位廣播電視 環境偵測 追跡攝影機

惠文高中教室e化教學設備



電子講桌 短焦單槍 數位廣播電視 環境偵測 追跡攝影機

科技. 效率. 創意的惠文高中智慧校園

Technology, Efficiency and Creativity -- Huiwen High School Smart

Campus

- [【請按鍵連結影片瀏覽】](#)

隨著科技創新，近幾年教育環境也悄悄掀起一場革命，以創新的科技教育概念，透過整合人工智慧系統（AI）、應用物聯網（IoT）與大數據（Big Data），建構出一個更有行政效率、更有創意的學習環境以及更加安全的智慧校園。

台中市惠文高中是中部地方知名的完全中學。近年在科技教育理念下，積極致力於智慧校園的規劃與建置。

With the innovation of technology, the educational environment has quietly set off a revolution in recent years. Through the innovative concept of technology and education, a school is able to build the integration of artificial intelligence systems (AI), the application of the Internet of Things (IoT) and Big Data for a more administrative efficiencies, a more creative learning environment, and a safer smart campus.

Taichung Huiwen High School is a well-known school in central Taiwan. In recent years, the principal of Huiwen High School, Wang Pay-Chang, is actively committed to the planning and construction of smart campus with his innovative concept of science, technology and education.

在學校的教學裡面，關鍵的三個要素，老師學生跟環境。它是一個交互作用的現場，所以其實引進來以後我們希望孩子透過這些科技系統，了解他周遭生活，帶給他的方便性，所以我們引進了公車的資訊，引進了 U-bike 的數量，甚至引進了空氣指數品質的提醒，這就是希望孩子因為科技了解他周遭生活、世界跟環境。這樣帶給孩子很重要的一個過程就是說當我應用科技的時候，幫忙我學習。那學習最大的目的就是希望可以做一個人文藝術的校園環境。我常跟孩子講惠文最美的環境最美的校園是在他脖子上面，也就是他的臉孔。這種東西是科技沒辦法創造出來的，但可以透過科技形塑，形塑這種人文的藝術環境來。

In a school, there are three key elements: teachers and students and the learning environment. After the Smart Campus introduced into Huiwen High School, this campus became an interactive site. We hope that the children will understand the life around them and the convenience brought to them through these technology systems. The introduction of the air index quality reminder help that children understand his or her life, the world and the environment because of technology. One of the most important processes when applying technology for children is to help them learning. The biggest purpose is to shape this campus as an environment full of humanities and arts. I often tell my children that the most beautiful thing in Huiwen school is

above their necks, which their faces. This kind of thing cannot be created by technology, but it can be shaped by technology for a humanistic and artistic environment.

智慧校園的實現需要整合物聯網（IoT）與大數據（Big Data），影音串流媒體發佈、安防、環境監控及影音對講等功能需要高端的技術能力

The realization of a smart campus requires the integration of the Internet of Things (IoT), Big Data, audiovisual streaming media distribution, security, environmental monitoring, and audio-video intercom with high-end technical know-how and capabilities.

學生需要什麼，老師需要什麼，這是卡訊當時在思考的，以目前來講，空氣污染這麼嚴重。因為冷氣裝下去，CO2 就會升提升，就會引起另外一個健康的問題。所以我們到後面也把空氣品質偵測器裝進來，如果能夠從告知再提升到我主動幫你解決二氧化碳的問題，所以我也開始導入環境控制，讓這個真正的實現而且反應到給師生的健康環境。

What students needed and what teachers needed were what BXB was thinking about. At present, air pollution is so serious. When the air conditioner is on, the level of CO2 will rise and rise, which will cause another health problem. So we will also install the air quality detector later. If it can be upgraded from the notification to initiative solve the problem of CO2, I

have also begun to introduce environmental control. I also thank the principal Wang for his strong support in this area. It truly reflects the healthy environment for teachers and students.

打造融合校園各個子應用系統及服務領域的整體校園信息與數據服務，還是以教育為主要核心價值。王校長以創意與創新的想法導入教育思念，讓這些智慧的裝置應用更有著教育上的延伸功能，實踐智慧教學的理念。

The core value of this system is to create an overall information and data service that integrates various sub-systems and services for the campus.

Principal Wang introduced educational thoughts with creative and innovative ideas to make those smart devices and applications with educational extension functions and practice to realize the concept of smart teaching.

近年來從事教育工作，另外也接觸了資訊行政，我會比較在意的是以前資訊偏向 M. I. S 也就是 Management Information System, 簡單講就是工具性的使用方式，但是對我來說，我覺得它應該提升到 D. S. S 也就是 Decision Support System, 簡單講我們透過 A. I. 的系統，然後透過 IoT 的架構，然後我們蒐集到 Big data 大量資料，我們這整個系統的引入能夠幫忙我在學校行政上有一個客觀數據的參酌，讓我們的老師能夠有一個很容易無障礙的教學資源的尋獲或教學資源的運用。讓學生他因為這個時空的提供能夠剔除掉時空的限制

讓他終生學習，讓他沒有學習的限制，隨時都可以學習，時時都可以學習。更重要的，處處都在學習。所以這是我們未來的希望，我也期待這一套系統收集的數據能夠幫忙惠文更永續的經營。

In recent years, I have been engaged in education and I have also been exposed to information administration. I will pay more attention to the fact that information was biased towards MIS, Management Information System. In short, it is a tool-based use method. But for me, I think it should be upgraded to DSS, Decision Support System. Simply speaking, we use the AI system with IoT architecture, and then we collect a large amount of Big Data. The introduction of this system can help me to have an objective data reference in school administration. Let teachers in Huiwen High School have an easy access to teaching resources. Without the provision, students can get rid of the limitations of time and space and let them study for life, so that they have no restrictions on learning, they can learn at any time and always learn. More importantly, learning everywhere. So this is our future hope, and I look forward to the data collected by this system can help Huiwen High School more sustainable operation.