

懷生國中智慧學校 AI 大數據發表暨大師盃活動 智慧懷中、AI 領航

一、前言

懷生國中推動智慧教育已有 5 年餘，從草創期的特色教室建置，到現在的班班皆為智慧教室，一路走來，懷中貫徹「智慧教育 · 全球同步」理念，投注相當多人力與資源，積極提升教師專業發展與學生學習表現，感謝臺灣科技領導與教學科技發展協會對學校的支持與協助，懷生國中全體師生獲益匪淺！

欣逢「全球科技領導與教學科技高峰論壇暨兩岸教育競爭力論壇」邁入第七年，懷中有幸共襄盛舉，分享豐碩的發展成果，祝賀「2018 第七屆全球科技領導與教學科技高峰論壇暨兩岸教育競爭力論壇」順利圓滿成功！

二、懷中智慧教室建置歷程：資源 3 年到位，3 間→ 11 間→ 25 間

- (一) 102 年建置 3 間智慧教室。
- (二) 103 年建置 7 年級 8 間智慧教室。
- (三) 104 年建置 8、9 年級 14 間教室。
- (四) 104 年度完成全年級智慧教室建置，班班有電子白板、實物提示機及 IRS 即時反饋系統遙控器等全套設備。

三、智慧共備教師專業社群與增能研習

(一) 106 學年度實施情形：

日期	時間	課程內容
9/04	13:30-14:30	英語領域 E 化教學研習
9/05	10:30-11:30	藝文領域 E 化教學研習
9/05	13:30-14:30	自然領域 E 化教學研習
9/06	10:30-11:30	社會領域 E 化教學研習
9/06	13:30-14:30	數學領域 E 化教學研習
9/07	10:30-11:30	綜合領域 E 化教學研習
9/07	13:30-14:30	國文領域 E 化教學研習



(二) 107 學年度實施情形：

日期	時間	節數	課程內容
9/5	11:15-13:15	2	互動式電子白板簡易操作含實作
9/12	11:15-13:15	2	PPT 檔案匯入
9/19	11:15-13:15	2	IRS 即時反饋系統操作
9/26	11:15-13:15	2	實物提示機應用操作
10/3	11:15-13:15	2	手機教學應用操作
10/17	11:15-13:15	2	平板教學應用操作
10/24	11:15-13:15	2	典範教師教學影片觀摩
10/31	11:15-13:15	2	典範教師教學影片觀摩
11/7	11:15-13:15	2	典範教師教學影片觀摩



With AI leading the way, Huai Sheng goes Smart

I. Introduction

Huai Sheng Junior School has been promoting smarter education for more than five years. In the beginning, we only planned to establish some feature classrooms; now our classrooms have all gone smart. All along, Huai Sheng had been staunchly adhered to its idea of “smarter education in sync with the world trend” and invested numerous manpower and resources to enhance teachers’ professional development and students’ academic performance. We would like to express our gratitude to the Taiwan Technology Leadership and Instructional Technology Development Association for its support and assistance that have truly benefited the faculty and all students.

This year marks the 7th year of the “Global Technology Leadership and Instructional Technology Summit and Cross-strait Education Competitiveness Forum” and Huai Sheng is extremely privileged to be part of the event to share our hard-earned fruits with people. We sincerely wish the 7th Global Technology Leadership and Instructional Technology Summit and Cross-strait Education Competitiveness Forum a great success.

II. The history of TEAM Model Smarter Classroom establishment in Huai Sheng: Resources take 3 years to be in place; classroom number: 3→ 11→ 25

- (i). 3 Smarter Classrooms in 2013
- (ii). 8 Smarter Classrooms for the 7th grade in 2014
- (iii). 14 Smarter Classrooms for the 8th and 9th grades in 2015
- (iv). Finished establishing Smarter Classrooms for all grades in 2015. Each Smarter Classroom is equipped with an Hboard Interactive Whiteboard, image presenter, and IRS (Interactive Response System).

III. The professional community of teachers engaging in smart and collective lesson preparation and workshops aiming at competence enhancement

(i). Implementation in school year 106

Date	Time	Theme
Sep. 4	13:30 to 14:30	E-Teaching Workshop for English
Sep. 5	10:30 to 11:30	E-Teaching Workshop for arts and culture
Sep. 5	13:30 to 14:30	E-Teaching Workshop for nature science
Sep. 6	10:30 to 11:30	E-Teaching Workshop for social science
Sep. 6	13:30 to 14:30	E-Teaching Workshop for math
Sep. 7	10:30 to 11:30	E-Teaching Workshop for general course
Sep. 7	13:30 to 14:30	E-Teaching Workshop for Mandarin



(i). Implementation in school year 107

Date	Time	No. of Class	Theme
Sep. 5	11:15 to 13:15	2	Basic operation and practice of the interactive e-whiteboard
Sep. 12	11:15 to 13:15	2	Importing PPT
Sep. 19	11:15 to 13:15	2	Operation of the IRS
Sep. 26	11:15 to 13:15	2	Operation and application of the image presenter
Oct. 3	11:15 to 13:15	2	Operation and application of using smartphones to teach
Oct. 17	11:15 to 13:15	2	Operation and application of using tablets to teach

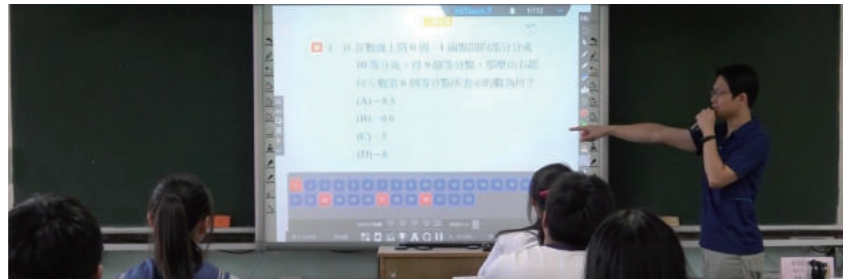


四、智慧課堂實況

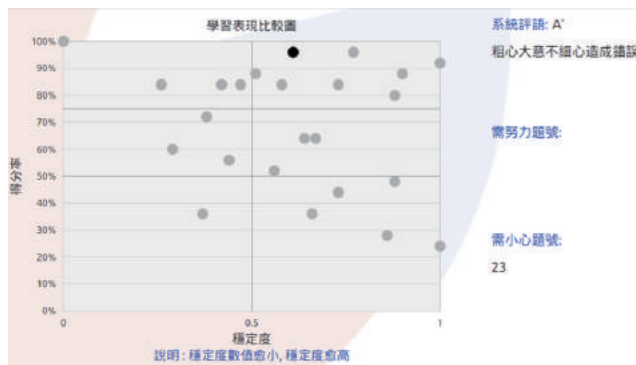
(一)教學 e化



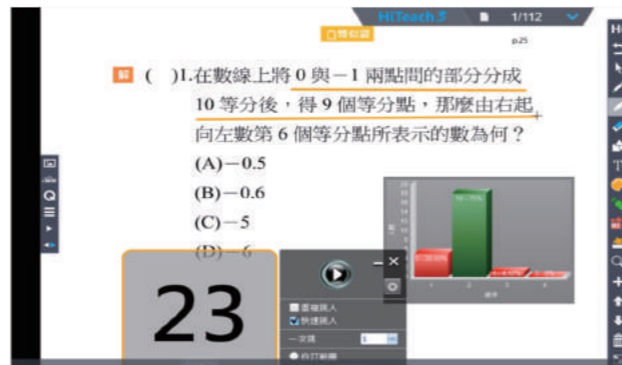
(二)評量 e化



(三)診斷教學 e化



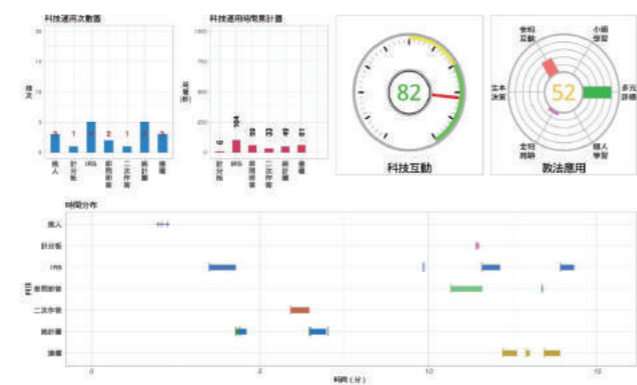
(四)補救教學 e化



(五)公開觀課議課



(六)蘇格拉底教學方案

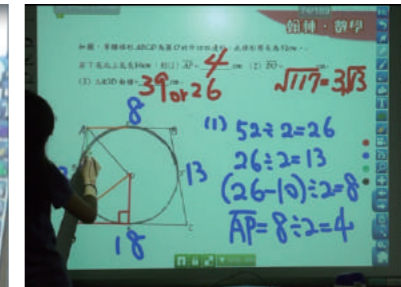
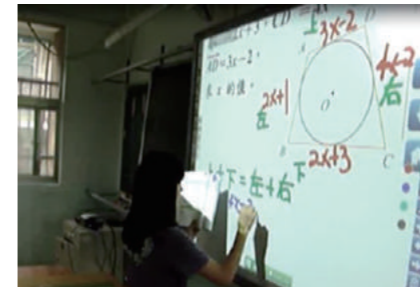


五、結語

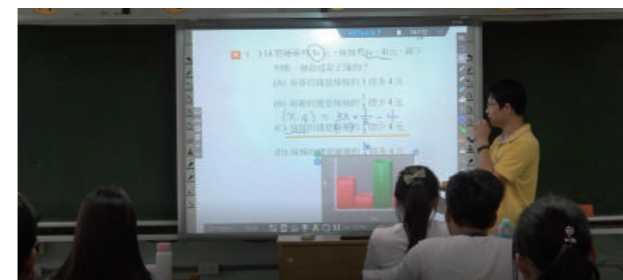
隨著數位資訊科技的快速發展, 藉由科技進行的教育創新與科技領導不斷快速發展與改變中, 值此雲端科技時代, 教育人員應擅用科技領導, 引領教育創新, 秉持「成就每一個孩子」之教育理念與核心價值, 打造新時代的教育風貌, 懷生國中定當持續以智慧教育為帆, 努力不懈!

IV. Pictures of students in TEAM Model Smarter Classrooms

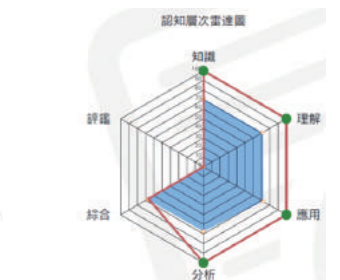
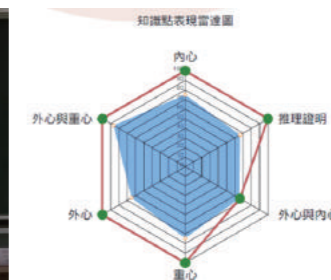
(i). e-Teaching



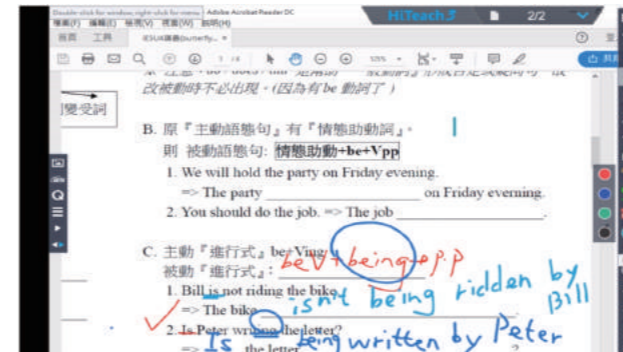
(ii). e-assEssing



(iii). e-diAgnosig



(iv). e-reMediation



(v). Open class observation and lesson discussion



V. Conclusion

The development of digital and information technologies is happening at an unprecedented pace. Education innovations made possible by technologies and technology leadership are developing and altering ceaselessly. In the era of cloud technology, educators should meticulously utilize technology leadership and be the pioneer of education innovations. We should adhere to the education belief and core value that "every student deserves to be taught" and shape the education landscape for this new age. Huai Sheng Junior School will never stop sailing the ship named smart education.