



BEISIN SMARTER SCHOOL
(Cloud-Based Learning and Teaching)

Powered by School principal Zeng Xiu Zhu and the smarter teaching partners of New Taipei City North Elementary School





Profile of BEISIN Elementary School

1) Number of classes :

General classes: 82 classes, Resource classes: 2.5 classes,
Kindergarten: 2 classes , Pre-school special education classes: 1
class, Pre-school special education classes circuit : 2 classes, Pre-
school remedial classes: 1 class

2) Total students : 2188

3) Total Staff : 176 (The average age: 40.8 years old)

4) Campus : 26130 square meters, total 162 classes (10206 square meters)



A. Introduction :

The Development of Smarter Teaching

Coming of Age in the Digital Era, our lives have grown increasingly digital. Smartphone, pad and laptop are in our daily life. The information technology changed people's daily routines such as the usages for E-mail, surf on the internet and participating in community network.

Study and learning through multiple dimension, distance and without borders becomes the trend. The teaching and learning methods should be in a more effective way.

Therefore, to train appropriate teachers and develop smart teaching is the goal that North elementary school has been striving for.



B. Practice of Team Modal Smart Education

In order to develop Team Model Smarter teaching, BEISIN Elementary school applied for Smarter classrooms, trained Smarter teachers and created Smarter classes for the foundation of Smarter education.

Since 2013, the core education team participated in an innovative teaching group to develop the active and interactive teaching through interactive whiteboard, Interactive response system and ezVision (Document camera).

BEISIN elementary school aims to develop an innovative teaching mode and fulfill Team Model smarter education.

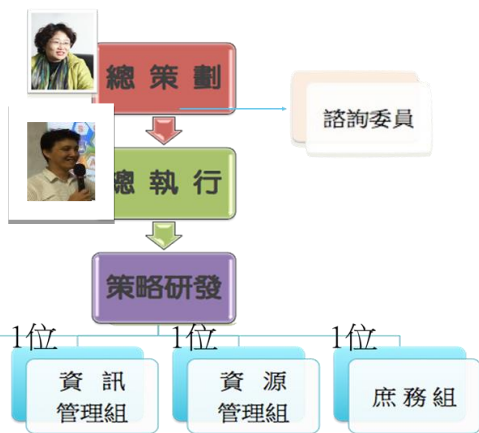
SMART雲端智慧學校



S Student-centered approach
M Motivate Students to Learn
A Any-device
R Resource availability and diversity
T Technology & Teacher support



Partners of Smarter Education Community in BEISIN Elementary School



項次	項目	月份	次數	01	02	03	04	05	06
1.	智慧教育推動小組會議		1次/月	01.28	02.19	03.07	04.03	05.01	06.11
2.	學者專家蒞校輔導與師資培訓		1次/月	01.28	02.26	03.12	04.09		
3.	社群教課、觀課與議課		1次/人	01.03	02.21	03.27	04.23	05.16	06.13
4.	外埠參訪		1次			03.12			
5.	辦理教學成果發表會		1次					05.02	
6.	教學歷程影集拍攝製作		1次/人			03.17~03.31			
7.	協助專案網站資料建置及維護		1次/月	01.20	02.27	03.31	04.30	05.31	06.30



C. Strategy of Smarter Education Development

**Improvement
of equipment**

**System of
teacher
trainings**

**Innovative
Smarter
teaching
mode**

**Fostering
smart
learning**

* Through collaboration between industry and school, North elementary school is trying to reach the goal of Smart education by Improvement of equipment- System of teacher trainings- Innovative Smarter teaching mode- Fostering Smart learning

1. Improvement of equipment: Cloud server, wireless lan, smart pad, touch panel, interactive whiteboard, Interactive response system (IRS) and ezVision(Document camera) and projector.
2. System of teacher trainings: Smarter class planning, team origination and project management, workshops of Smart teaching and learning, teaching by demonstration, participating demo class, experience sharing by Power teachers, digital information management and presentation of Smart teaching and learning.
3. Innovative Smarter teaching mode: Development of learning community, The Reading Comprehension Material-design of Textbooks, Cooperation and study in groups, International education community, Online for learning mathematics, Co-life video system and SNG Live broadcast.
4. Fostering Smart learning: Digital reading, QR-Code, Cloud e-book. The students can learn beyond time and space via mentioned learning materials to fulfill 3A learning (Anytime 、 Anywhere 、 Anybody). Those materials can help to solve question/problem and improve study effects.



Procedures of Development on Smart class in BEISIN Elementary School

The foundation
of smarter
education

- 設置行動學習會議室
- 設置基地教室(本專案教師)

Visit

- 外縣市：北市幸安、市教大附小、敦化、南港、宜蘭中山、玉田、羅東，南投縣等校
- 新北市：及人中學、三芝國中、白雲、五寮、成福、新店、屈尺、直潭、中正等國小。

Teacher
training

- 辦理核心團隊進修研習
- 辦理寒暑假全校教師行動學習研習

Equipment
established

- 智慧教室：互動式電子白板、實務提示機、IRS、Hi-teach、
- 周邊設施：雲端伺服器、短焦投影機、平板電腦、全區WiFi

Teaching
demonstration

- 校內教學演示：所有專案教師。
- 全市公開演示：每年5月、11月份舉辦。

Future
development

- 校內擴散：1班→12班→各年級60班→全校105班(初期，班班都有互動式電子白板)
- 校外擴散：文山分區各校、新北市各校(分區資訊中心)



D. Development and Execution of Smarter Teacher Training



理念先行
帶頭前進

Demonstration by the principal



Teaching and learning environment improvement

50間智慧型教室

39 Smarter Classrooms



10 TBL Smarter Classrooms



1 tablet-learning classroom



Remark : Within 96 classrooms , there are over 50% are Smarter ones

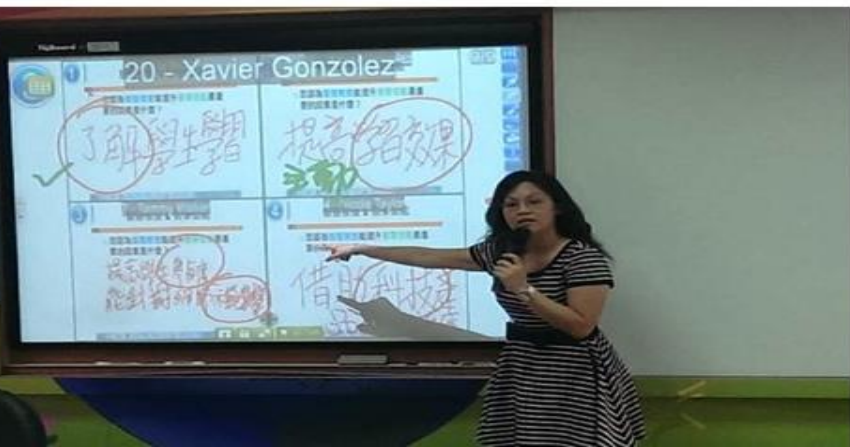
系統培訓

Training for Smarter Teachers



專家對話
經驗積累

Experts Guidance



Teacher Community-sharing experience

週次	日期	教學經驗分享或教學觀摩	地點
暑假	07/25 (一) 0900-1600	Richard、林麟老師智慧教室研習	國際文教中心
暑假	08/01 (四) 0900-1600	林欣玫老師、王瑀老師智慧教室研習	國際文教中心
暑假	08/20 (二) 0930-1110	蔡以新、楊敏芳老師教學(北京培新小)	國際文教中心
一	08/23 (一) 1300-1600	林麟老師電子白板教育訓練	國際文教中心
二	09/04 (三) 1400-1600	易天行先生電子白板教育訓練	國際文教中心
五	09/27 (五) 0930-1010	曾秀珠校長國語教學觀摩(校長)	三年01班
七	10/08 (二) 0930-1010	張碧芳老師教學經驗分享	五年07班
七	10/08 (二) 1500-1540	宋雨倫老師教學經驗分享	五年11班
八	10/18 (五) 1400-1600	高珠容主任社會教學觀摩	社會教室(一)
九	10/25 (五) 1010-1110	外校參訪：19個班級	南港國小
十		唐曉霞老師教學經驗分享	三年1班
十		張嘉倫老師教學經驗分享	
十一	11/08 (五) 1400-1500	產學會議	
十二	11/14 (四) 1030-1110	郭永明老師自然教學觀摩	
十三	11/22 (四) 1030-1110	楊敏芳老師教學觀摩(揭牌)	
十三		姜碧玲老師教學觀摩	
十四		郭麗娟老師自然教學觀摩	
十五	12/05 (四) 0900-1630	新北市校長智慧教育與科技領導研習	
十五		王韻慈老師教學經驗分享	
十六		廖建坤老師數學教學觀摩	
十八	12/27 (五) 1400-1600	洪珮華組長英語教學觀摩	
十九		廖珮如老師教學觀摩	
十九		陳滄德老師教學經驗分享	

智慧教室電子白板

標題	附件	發佈者	來源	閱覽日期
20131114郭永明老師智慧教室電子白板教學觀摩		黃敏賢	本站	2013-11-14
20131106與網安主管產學合作研討會		黃敏賢	本站	2013-11-14
20131107郭麗娟老師智慧教室電子白板教學觀摩		黃敏賢	本站	2013-11-14
20131031唐曉霞老師智慧教室電子白板教學經驗分享		黃敏賢	本站	2013-11-14
20131025南港國小參訪		黃敏賢	本站	2013-11-14
20131031張嘉倫、楊敏芳老師南港國小參訪分享		黃敏賢	本站	2013-11-14
20131008宋雨倫老師智慧教室電子白板教學經驗分享		黃敏賢	本站	2013-11-14
20131006張碧玲老師智慧教室電子白板教學經驗分享		黃敏賢	本站	2013-11-14
102智慧教室電子白板建輝、分享、教學觀摩行事曆		黃敏賢	本站	2013-11-14
102智慧教室電子白板成員		黃敏賢	本站	2013-11-14

Sharing Experience in Beijing



“智慧课堂 两岸同行”教学交流研讨活动在台湾会馆举办

2014年01月21日

来源：北京市台联网站 作者：裴芝荣

字体：【大】 【中】 【小】



北京培新小学张燕校长授课现场

本站讯：2014年1月19日，北京市东城区培新小学与台湾新北市北新小学的教学交流研讨活动在台湾会馆举办。北京培新小学曾秀珠校长现场亲自授课，展示“智慧课堂”在实际教学互动中的应用。教学活动后，两校学生还进行了文艺展

培新小学与台湾北新小学为结对姊妹校，“智慧课堂”是北京培新小学与台湾北新小学交流交往中，引进的台湾最新的教学“智慧课堂”将教室的Haboard互动电子白板、ezVision视频展台、IRS即时反馈系统的操作合而为一，实现课堂多媒体互，即时反馈，让课堂教学变得更简单、生动、高效，实现以“学生为中心”的教学模式的转变，为教与学提供充足的教学分

东城区教委、东城区台办、北京市教科院等单位领导、学者，东城区涉台教育小学校长、教师及部分家长，以及台湾北新百余人出席活动。

教學觀摩
成果發表

Achievements Conference



The Development of Smarter Models

統合認知教學模式



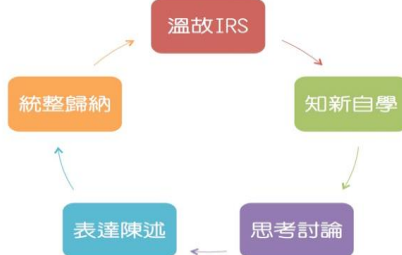
合作解題教學模式



語言學習教學模式



翻轉教學－學思達模式





北新SMART智慧課堂

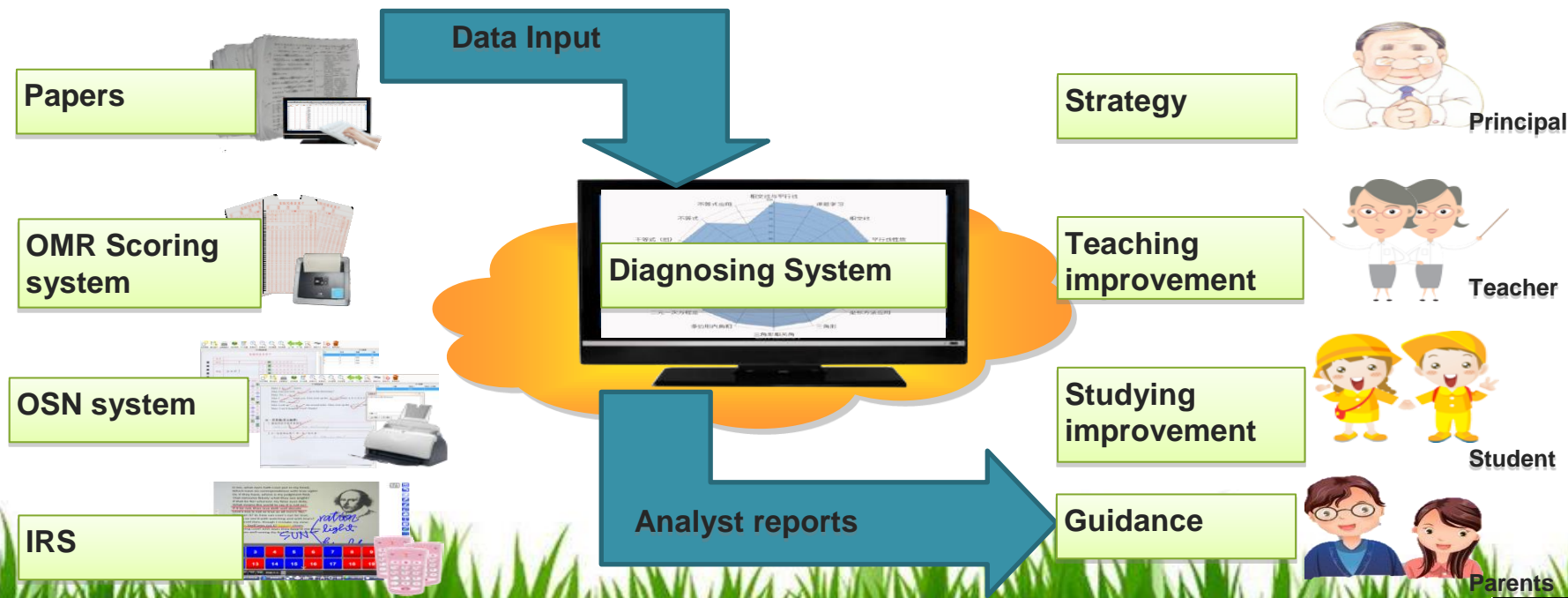
SMART teachers develop teaching materials, methods and environment based on reading comprehension, learning community and smarter classrooms





北新SMART智慧課堂

評量與診斷雲端化





Honor of BEISIN Elementary School : Outstanding Teacher(Miss Kuo)



新北市102學年度
教師公開教學演示獎勵
暨優良教學示例甄選佳作

2014智慧課堂創新獎
班級智慧教室組
二等獎





Honor of BEISIN Elementary School : Outstanding Teacher (Miss Yang)



2014智慧課堂創新獎
電子書包組
一等獎

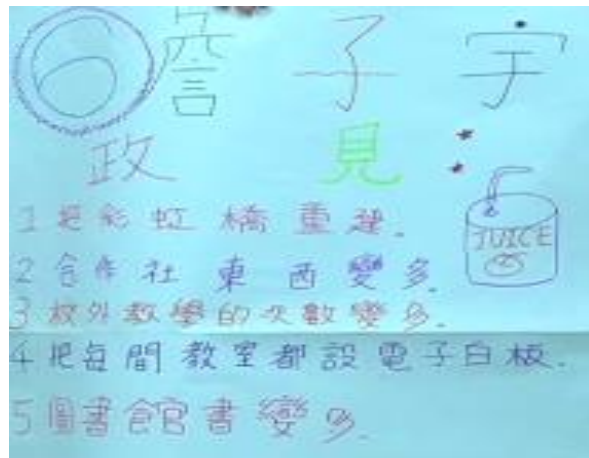
統合認知教學模式

新北市102學年度
教師公開教學演示獎勵
暨優良教學示例甄選佳作



The viewpoints of students

Interactive equipment is required(Smarter classroom)



**Student's
response is the
best feedback**



Conclusion : To Build Smarter School

- According to the research, the way students to learn decides the development of students in future. Therefore, student-centered learning becomes a trend. BEISIN elementary school would popularize smarter education to each student in nearly future.

打造「學習型智慧學校」，成為學習共同體的實踐與超越學校。

To Extend Smarter Education from BEISIN Elementary School to Worldwide Schools

