



▲ Ground-breaking ceremony for the campus construction of National Nanke International Experimental High School

## Innovative Education

### Science and Technology with Global Recognition

National Nanke International Experimental High School enrolled 2,173 students in 78 classes including 41 classes for the Elementary Department, 23 for Junior High Department, 11 for the Bilingual Department, and 3 for Senior High Department. The Senior High Department officially opened in 2008 as the new frontier of the STSP's education. The School provides excellent educational resources that live up to international standard for the academic demands of the Park enterprises, governmental offices, academic and research institutes, and the children of the expatriates. The School's outstanding education efficiency is praised by people of all ages.

### Senior High Department Formally Established Complete Education Blueprint

### Senior High Department Inaugural Class

In 2008, National Nanke International

Experimental High School (NNKIEH) recruited 3 classes-90 students total-for Senior High Department's first graduating class. Students who scored at minimum of 260 on the Basic Competence Test for Junior High School Students were recruited. Over half of the students have a PR score of at least 92. NNKIEH has attracted outstanding students throughout Tainan area with its international teaching approach, visionary academic foresight, and access to industrial and academic resources of the STSP. All these resources attracted outstanding applicants and made NNKIEH the top choice for many despite its novelty.

### Land Acquisition and Campus Construction Commencement of Senior High Department of NNKIEH

Land acquisition for the construction of Senior High Department was completed in 2008. An area of 4.3 hectares was allotted. Campus construction was initiated on September 4, 2008 and the ground-breaking ceremony was hosted by Mr. Chun-Wei Chen, Director-general of STSP Administration, and Mr. Hsu-Chang Tai, Principal of the NNKIEH and witnessed by many distinguished guests. The administration building and the dormitory will be completed in February 2010. The gym and library will be completed at the end of August 2010. The construction blueprint of the School, including pre-school, elementary department, junior high department, senior high department, and a bilingual department, will thereafter be realized.



▲ The informative and fun science game at the science camp



▲ Senior High Department English summer camp closing ceremony and achievement presentation



▲ Physics experiment at Senior High Department science summer camp



▲ Mr. Hsu-Chang Tai (the right), Principal of the NNKIEH, and Mr. Ping-Hsiung Huang (the left), chairman of the Parent-Teacher Association, led a group of Senior High Department sophomore biking through TSP.



▲ NNIEH students entered the "Yuan T. Lee Science Fun Competition" at Sun Yat-sen University and were awarded with the Creativity Award.

### Foresight and Vision Diversified Teaching and Competition

To inspire students to learn and to help students to understand the education and environment quality of the NNKIEH, science summer camp and English summer camp were organized for Senior High Department students. The School arranged creative courses and Park tours that lead students to the Park factory and the laboratory for hands-on science. Also, American college students were invited to help and raise confidence in students' English speaking ability. Moreover, "Mathematics Week Contest," "Yuan T. Lee Science Competition – Campus Preliminary," "NASA Scientists Video Conference Teaching," "Chemistry Olympiad," and "Welcome Zero Resistance Era" symposiums were organized and students were assigned to attend "Model U.N." and "Conversations with Nobel Laureates."

### Construct PBL Classroom and Laboratory Equipment

The Project-based Learning (PBL)

classroom was setup to develop innovative teaching methods. The PBL classroom is equipped with the M-space that includes 30 notebook computers, wireless network, and special teaching software; moreover, physics, chemistry, astronomy, and biology laboratory devices, equipment, and books are also used to inspire teachers to develop other innovative teaching methods. This classroom also provides students with place for project study, discussion and presentation.

### Won the Creativity Award at the South Region Preliminary of Yuan T. Lee Science Competition

The first 10th grade class of the NNKIEH entered the "14th Yuan T. Lee Science Fun Competition" in November 2008. The contest was held in southern region at National Sun Yat-sen University. The competition categories included "Interesting Magnetism," "Die-Hard Fire," "Pump, Pump, Pump," and "Submarine." Participation included students applying science theories and hands-on skills to complete a given project. Through an outstanding performance, our students claimed the Creativity Award.

### Promote International Education and Embrace the World

### Organize the "International Week" Event

The "International Week" event was held in early May 2008. Various activities allowed students to experience the differences between traditional and



▲ International Week – teachers guiding the students at the exhibition



▲ International Week – Bilingual Department students wearing costumes of different nations performed at the grand opening ceremony of the gourmet food exhibition.

western cultures, to familiarize them with other countries, and to broaden their worldviews. An "International Week Activity Handbook" was provided to footnote their learning. The activities included diversified cultural communication, educational achievement presentation, familiarize the Olympics, international culture artifacts exhibition, coin and stamp collection exhibits, mask exhibits, meeting kids around the world "1cm pencil lead" theme, book fair, and international gourmet food tastings.

(PS: "1 cm pencil lead" event led the children to learn and understand unfortunate countries and their lack of daily necessities; furthermore, it encouraged them to treasure the things that were provided to them.)



▲ Senior High Department students having a video conference with NASA scientists at the National Center for High-Performance Computing





▲ Elementary Department students' art class with those of the American elementary school via video conferencing



▲ NNKIEH students attended the vigorous athletic games at the Australian local school.

## Elementary Department Art Class for International Communication

For the past three years, the Elementary Department's art class has been affiliated with elementary schools in the United States. With "Festival" as the main theme for the 2008's art exchange program, students from Villa Duchesne/ Oak Hill School in Missouri communicated via email, notes, and pictures during Halloween. To follow up the Halloween emails, the NNKIEH's students introduced three important Chinese festivals, "Chinese New Year," "Dragon Boat Festival," and "August Moon Festival" via video conference on December 11, 2008. During the video conference, American students presented their name in Chinese as a form of art. The call was so successful; it ended with cheering and praises by all students who participated. Currently, both schools' students still communicate with each other via email to enhance international exchange.

## Australian Exchange Students English Study

For broadening student's international horizon and English fluency, in summer 2008, NNKIEH again cooperated with International Education Bureau of the Ministry of Education, Queensland, Australia to have the 3rd grade ~ 9th grade students visited the campus of Varsity College in Queensland as exchange students. With the company of school Buddy, NNKIEH students learned and lived with Australian students of the same age.

## Visitation by the Teachers and Students of Hannibal High School, Missouri, USA

Junior High Department students and teachers of the NNKIEH had visited Hannibal High School in Missouri, USA in the summer of 2007. A year later, ten teachers and students together from Hannibal visited Taiwan in mid-July 2008 and received warm welcoming from the NNKIEH and their host families.



▲ Teachers and students of Hannibal High School visiting the STSP's archaeological facility



▲ International exchanges at the Taiwan's First Confucius Temple



They visited National Nano Device Laboratories, the STSP's Gallery of Archaeology, Anping relics, and the first Confucius Temple in Taiwan and so on. The American friends were introduced to the STSP and were given a taste of Taiwanese culture. Culture exchanges were shared and sincere international friendship was built.

### Hosted the Professional Development Workshop for Teachers with University of Missouri – Columbia, USA

Dr. Laura Wedman from the University of Missouri-Columbia, USA was invited to plan and host the "Nanke Professional Development" for teachers workshop. The workshop was scheduled for 4-day began on August 13, 2008. Workshop topics included exploring the internet, e-process, introduction of conceptual drawings, hands-on teaching, and achievement presentation. This workshop will improve our teacher's teaching credential while re-align them with today's international standard.

### Educational Activities that Focused on Science and Culture Encourage Reading and Develop Fundamental Education

NNKIEH has drafted a 4-year reading program to encourage reading. In addition to purchasing books for US\$24,615, the School organized extracurricular sessions for reading and writing. It also partnered with teachers to promote reading and to organize class book clubs.

Elementary Department students have been encouraged to read daily since the 2007 academic year, and the School schedules reading period each Friday morning. A recommended reading list has been proposed since the 2008 academic year. Reading passports were printed and distributed. With the aim of promoting reading quality and fun, the library hosted a scavenger hunt, a theme book tour, and offered winter and summer vacation award packages as incentive to participate in reading and writing contests.

Junior High Department planned the "Year of Reading for Nanke" in 2008 to promote the "Good Morning! My Book" plan. A book list was proposed and a class book bank set up for students to read for half an hour each Monday morning. They record their reading summaries in their reading notebooks.

### Promote Junior High Department's CTI Education Program Continually

In terms of Junior High School Department's CTI education program, in addition to the general courses, campus science fairs encouraged students to reason and research scientifically. With



▲Junior High Department's CTI PBL Research Presentation

the guidance of their science teachers, students are expected to create outstanding works via making experiment plans, group discussions and hands-on experiments.

### The Elementary Department Wind Band

The Elementary Department Wind Band was organized in March 2008 with the support of the Parent-Teacher Association and the plan and promotion of the Elementary Department. The Elementary Department Wind Band performed exceptionally at the Tainan County Student's Musical Contest in 2008 and was also invited to perform at the August Moon Festival party and the Christmas Party hosted by the STSP Administration. The Elementary Department Wind Band again performed outstandingly at the Tainan University Wind Band Tour on November 16, 2008.

### Outstanding Teaching Performance

### 2008 National Creative Teaching Project Contest Elementary Department Awarded with the "Excellence Award"

"Superb Chinese Idioms," designed and taught by three teachers, Bai-Hong Yen, Yu-Chung Wang, and Bi-Chao Cheng, from the Elementary Department was awarded with the "Excellence Award" in Chinese Language Category at the "GreaTeach 2008 National Creative Teaching Award" by Taiwan Creativity Development Association. This teaching course focused on "Chinese idioms" with online learning group organized to learn extracurricular idioms massively and rapidly; moreover, it allowed students to apply those learning in their daily lives.



▲The Elementary Department Wind Band performed superbly in contest.