

國立新竹高級工業職業學校

---新竹地區首屈一指的工業職業學校

本校建校於日治時代，為我國職業教育發展脈絡中的八大省立工校之一，具有悠久的優良歷史。鄰近新竹科學園區及清華大學、交通大學等國內一流大學，具有培養產業及學術人才不可取代之優勢。

本校為學生提供升學及就業所需的專業學習與訓練，進入新竹高工就等同具備卓越的學科能力及優秀的專業技能。多年來，升學狀況在台灣職校中名列前茅，學生於各項專業競賽中表現傑出，備受學界及業界的肯定。近來積極爭取政府新興科技計畫、高瞻計畫、優質化計畫等，期許學校教學與時俱進，更積極進行國際教育交流，策劃與國外學校締結姊妹校，一步步邁向國際。

除致力於學術能力及專業技能的養成外，更將品德教育視為學校教育的重要基石，以真、善、美為理想來培養學生誠信、負責、關懷、感恩、尊重、和諧的精神，教導引塑出具有學習力、專業力的學生，對環境事物有敏銳的感受及批判，並具備精準的表達能力及恢宏的國際觀，期許新竹高工成為「理論與實務並重的國際化典範學校」。



National Hsin-Chu Industrial High School

The school was founded on April 1st, 1944 as “Hsinchu Industrial School” with Mechanical Engineering and Chemical Engineering departments. Later, 7 departments were established in succession, including Sheet Metalworking, Drafting, Interior Space Design, Electrical Engineering, Computer Science, and Restaurant Services department. It is renowned for being one of the 8 provincial industrial schools promoting Taiwan's technical and vocational education. The school located close to Hsinchu Science Park, National Tsing Hua University, National Yang Ming Chiao Tung University, and other first-class institutes in Taiwan. Therefore, the school has the edge on cultivating industrial and academic talents and has become the cradle of modern technical talents.

Hsinchu Industrial High School provides students with professional knowledge and training, which are required in the future entrance examination and employment. Students are guaranteed with excellent academic proficiency and distinguished expertise. Over the years, the qualification rate has been top-ranked among the vocational schools in Taiwan. With the outstanding performance in each professional competition, students are highly recognized in the academic circle and industry field. Recently, with the anticipation to advance with the times, the school has been actively applying for programs from the government. Moreover, to reach the goal of even more globalization, Hsinchu Industrial High School has been positively participating in various kinds of international education exchange and bridging international cooperation with foreign schools.

In addition to the development of professional skills, the school deems moral education as the cornerstone of school education. It aims to cultivate students' integrity, responsibility, care, gratitude, respect, harmony, and promote students to pursue and uphold truth, goodness, and beauty so as to build the school into an "international model school with equal emphasis on theory and practice."

歷史沿革 History

- 1944 本校創立，校名為新竹州立新竹工業學校，設有機械科、化工科。
The school was founded with the name of Hsinchu State Hsinchu Industrial School ,with mechanical engineering department and chemical engineering department.
- 1945 台灣光復，改名為臺灣省立新竹工業職業學校。
During Taiwan's Recovery, it was renamed Hsinchu Industrial Vocational School.
- 1955 台灣實施工業改革方案，增設板金工科，高級部機械科改稱機工科，並接受美援實施單位行業訓練。
Taiwan implemented the industrial reform program, added the sheet metal engineering department, changed the senior mechanical department into the mechanical engineering department, and accepted the industrial training offered by U.S. aid implementation units.
- 1958 增設傢具木工科、附設工業職業補習學校，附設實用技藝訓練中心。
It established an attached industrial vocational tutoring school, and built an attached practical skills training center in September.
- 1960 增設電工科，並於 1989 更名為電機科。
Added the electrician department, and changed its name to electrical engineering department in 1989.
- 1969 更名為臺灣省立新竹高級工業職業學校。
It was renamed Taiwan Provincial Hsinchu Advanced Industrial Vocational School.
- 1994 成立特教實驗班，並於 1999 改為正規班並更名為綜合職能科。
It established a special experimental class, and changed to a regular class in 1999, changing its name to Comprehensive Functional Department.
- 2000 更名為國立新竹高級工業職業學校。
It was renamed National Hsinchu Senior Industrial Vocational School.
- 2003 調整科班成立綜合高中 4 班。
It adjusted classes to form a comprehensive high school class 4.
- 2005 調整板金科 1 班為製圖科並增設實用技能學程 1 班。

It adjusted the No. 1 class of the Sheet Metal Department as Cartography Department and added a practical skill class.



重要辦學績效 Administration and academic achievement

- 丙級專業證照獲證率 90%以上。
The qualification rate of level C Technician Certification in HCVS is above 90%.
- 乙級專業證照獲證率 65%以上。
The qualification rate of level B Technician Certification in HCVS is above 65%.
- 升學率 97%以上。The enrollment rate of college is above 97%.
- 近 2 年獲國教署優質化補助 800 萬元，提昇教學品質，促進學生多元發展。
A subsidy of 8 million dollars is received from the School Actualization Program arranged by K-12 Education Administration. This is allocated to enhance the teaching quality and promote the diverse development of the students.
- 獲選教育部高瞻計畫，3 年補助 262.5 萬元，提昇課程開發知能，落實探究實作教學。
Awarded The Foresight Project arranged by Ministry of Education, HCVS received a subsidy of 2.625 million dollars in three years and is applied to improve the quality of curriculum, fostering the competence of students and realizing inquiry-and-practice learning.
- 獲選「國教署辦理補助前瞻基礎建設之普及高級中等以下學校新興科技之認知計畫區域推廣中心」計畫，107 年補助 964 萬元，推動認知新興科技核心主題「工業 4.0」，體驗與學習智慧機器製造、大數據、AI 人工智慧與 IOT 物聯網等新知識，提昇師生新興科技認知與學習能力，以培養更多科技領域未來人才。
Honored with the “Forward-Looking Infrastructure of the Promotion Center of the Emerging Technology Cognition Regional Planning of Universal Schools Below Senior High” Project by K-12 Education Administration and received a subsidy of 9.64 million dollars in 2018. With the resource, the core theme of emerging technology cognition, Industry 4.0, is promoted, allowing students to experience and learn the innovate knowledge of intelligence machine production, big data, Artificial intelligence (AI), Internet of Things (IoT), and so on. It thus enhances the faculty and students’ cognition of emerging technology and learning ability, enen cultivating more technology personnel in the future.
- 獲選「教育部國民及學前教育署自造實驗室 Fab Lab 建置與營運推廣實施計畫」，107 年補助 300 萬元，建置「瘋创客」Fab Lab，引進 3D 印表機、3D 掃描儀、雷射雕刻機及雷射打標機等數位自造機具，推廣自造者運動及创客教育，落實創意自造精神於教學。
Awarded “The Implement Project of Establishment and Operative Promotion of the Maker Space Fab Lab” by K-12 Education Administration, Ministry of Education and received a subsidy of 3 million dollars in 2018. The Fab Lab “Maker Junior” was established, introducing Maker digital equipment including 3D printers, 3D scanners, laser engraving machines, laser marking machines, and so on. This promotes the Maker campaign and STEAM education, realizing the imaginative inspiration of Maker in the teaching.
- 與友嘉科技簽訂策略聯盟，強化產業技術交流，增進學生實務專業技能。
Conclude the strategic alliance with the Fair Friend Group (FFG) to strengthen the industrial technique exchange and improve the practical expertise of the students.



競賽成績 Competition results

全國工科技藝競賽 National High School Skills Competition

一年一度之盛事，集全國工校學生技能佼佼者同場競技，為全國工業類科學生比賽之最高殿堂，每年參賽學生逾千人，獲獎者皆為菁英中的菁英。

The National High School Skills Competition of Industry is an annual grand event. Like an arena, extraordinary students from each vacation school in Taiwan are gathered to compete with each other. It is the most rewarding competition for Taiwanese students who are industry majors.

年度 Year / 獲獎人數 Number of winners	工科技藝競賽 National High School Skills Competition	
	金手獎 Gold medal	優勝 Winning prize
2015	6	4
2016	6	3
2017	8	4
2018	6	7
2019	6	5



全國技能競賽 National skills competition

由各職訓機構、職業學校與工商企業均踴躍提名選手參加競技，參賽者的年齡限制在 21 歲以下，為職業訓練與技職教育之年度盛事。

Participants nominated from each profession training institutions, vocational schools and industry commercial enterprises would actively engage in the competition. The ages of the participants is restricted under 21 years old. It is an annual grand event for vocational training as well as technical and vocational education.

年度 Year / 獲獎人數 Number of winners	全國技能競賽 National skills competition		
	第1名 National champion	第 2-5 名 Top 2-5	佳作 Works
2015	0	1	0
2016	0	1	2
2017	1	5	2
2018	1	4	1
2019			



2011 倫敦國際技能競賽榮獲板金職類世界金牌

Awarded with a gold medal in the Sheet Metal engineering group of the World Skill Competition in London.

2016-2018 小論文比賽共 121 篇獲獎

121 essays were awarded in the Student Essay Competition.

2018 全國專題及創意製作競賽，3 組參賽，獲 2 金牌 1 銅牌。

National Research and Creative Design Competition.

2018 第 17 屆「旺宏科學獎」在機械組別，以「角度游標卡尺」作品，榮獲優等獎

The project” Angle Vernier” was awarded as distinction certificate in the 17th Macronix Science Awards.

校園巡禮-Environment

本校位於新竹市東區，校區緊臨新竹市主要道路中華路上，距台鐵北新竹站僅 100 公尺，附近交通便利。

校地因新竹市道路整體規畫，以東光陸橋為界分成教學行政區及實習工場區，兩校區以地下道連通，合計 3.7979 公頃。

The school is located in East Dist., Hsinchu City, with its campus being close to Zhonghua Road, only 100 meters away from the Taiwan Railway North Hsinchu Station.

Due to the overall planning of the Hsinchu City, the campus is divided into the teaching administrative area and the internship factory area by the Dongguan Land Bridge. The two campus areas are connected by underground roads, totaling 3.7979 hectares.



主要教學大樓---新民樓及欣學樓

Main Teaching Building – Xinmin Building and Xinxue Building



新民樓 Xinmin Building



欣學樓 Xinxue Building

行政大樓 Administrative Building

文學步道

連結主要教
之至善樓，
師親筆揮毫
的廊道。



Literary trail

學大樓新民樓、欣學樓及教務處所在
步道兩側為經典詩詞作品，由本校教
拓印而成，為校園內最充滿文學氣息

The trail connects Xinmin Building, the main teaching building, Xinxue Building, and the Zhishan Building where the Academic Affairs Office is located. Along the two sides of the trail are classic poetry works, which are inscribed by teachers of the school, being a literary corridor in the campus.



圖書館 Library

館藏豐富多元，藏書近 7 萬冊，地處師生
平日上下課必經之地，每月舉辦各類主題
書展，豐富學生閱讀素養。

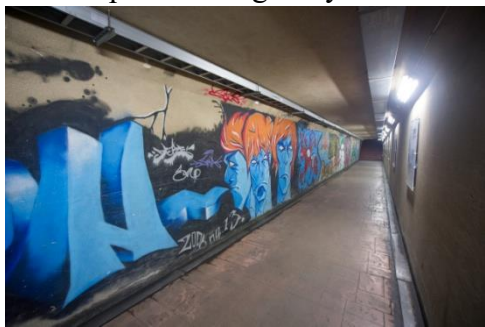
With a rich and diverse collection, the library has nearly 70,000 books. Teachers and students get to stop by when going to or finishing class. Every month, various theme book exhibitions are held to enrich students' reading literacy.



地下道 Underpass

連結教學區及實習工廠區，由學生動手彩繪、製作，並展覽學生藝文比賽得獎作品，將地下道化身藝廊

It connects the teaching area and the internship factory area. Here, students may make paintings and create their own works. Also, students' winning works in art competitions will be exhibited here to make the underpass an art gallery.



實習工場區
field and sports



Working
field



各科均有獨立科館，分佈在視野寬廣、綠意盎然的運動場域外圍

Each department has an independent pavilion distributed in the periphery of a green sports field with wide vision.



綜合高中 Comprehensive high school

本校綜合高中始於民國 92 年，結合學術學程（自然與社會）與專門學程（電機電子學程/資訊技術學程、機械學程、室內設計學程、化工學程），共 6 大學程供學生分流選擇。

課程設計為「高一統整」，開設生涯規劃及職業試探課程提供適性輔導，強調多元的課程；「高二分化」，學生適時適性分流，做學習的主人；「高三專精」，專注學習學程專業課程，厚實專業能力。

The school's comprehensive high school was established in 2003, combining academic courses (science & engineering major and social science major) with specialized courses (electronics courses, mechanical courses, interior design courses and chemical engineering courses). There are a total of 6 courses for students to choose from.

The courses are designed to be “unified courses in senior one”, with appropriate counseling providing career planning and vocational testing courses, emphasizing diverse courses; “diverse causes in senior two” where students are properly diverted to conduct independent learning; “specialized courses in senior three” where students focus on specialized courses to enhance their professional skills.



(模擬法庭桌子請補色)

機械科 Department of Mechanical Engineering

本科於創校時即成立，為本校歷史最悠久的職科之一，亦是本校規模最大的職科。以培育具有使用現代化機具設備，擔任各種機械之操作維護、機械產品之製圖、製造及檢驗等工作能力的人才為目標。

民國 94 年開設實用技能學程-機械加工，學生來源為具技藝傾向之國中技藝班的學生。課程設計以就業為導向，透過大量實習課程養成學生專業技能，期使學生畢業後能立即就業。

The Department of Mechanical Engineering was established at the time of the founding of the school. It is one of the largest department in the school with a long history among others. It aims to cultivate talents to use modern machine tools, and operate and maintain various machinery, drawing, manufacturing and inspection of mechanical products.

In 2005, it developed courses of practical skills. Students were from skill classes in junior high schools. The course design is employment-oriented and develops students' professional skills through a large number of internship courses so that students can be employed immediately after graduation.



板金科 Department of Sheet Metal Engineering

本科創科於民國 44 年，為全台灣高職板金科的發源地，亦是早期板金師資的培育搖籃。為板金技術、機械知能、造形設計及美學涵養的人才培育科系，致力培養自造 Maker 能力之板金專業人才。

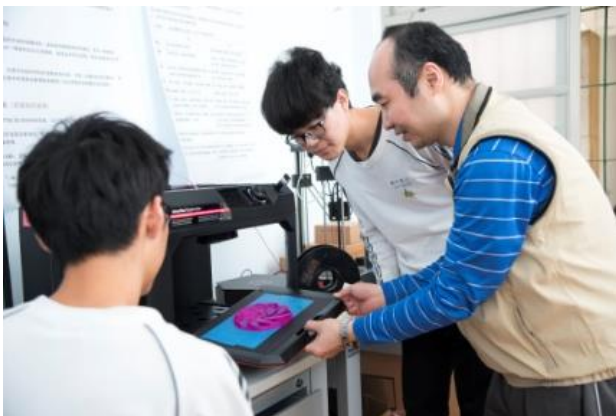
Established in 1955, this department was the birthplace of Taiwan's high-level sheet metal, and also the cradle of early sheet metal teachers. It aims to cultivate talents with sheet metal technology, mechanical knowledge, shape design and aesthetics, and talents who may become makers.



製圖科 Department of Drafting Engineering

民國 95 年 7 月設科，旨在培養機械工業優良製圖人員，以提昇工業技術水準。配合資訊工業發展，佐以電腦輔助繪圖、設計與製造(CAD/CAM)方面實習，強化學生資訊應用的能力。

The department was established in July, 2006, and aims to cultivate excellent cartographers in the machinery industry to improve industrial technology. It also cooperates with the development of the information industry, conducts design and manufacturing (CAD/CAM) internships with computer-aided drafting, and strengthens students' ability to apply information.



室內空間設計科 Department of Interior Space Design Engineering

本科 88 年 8 月由原傢具木工科改科設立，歸屬設計類群。以培育室內設計及裝修技術之基層人才為目標。訓練設計、繪圖、監造及管理之實用技能，結合傳統木工技術及現代造形美學、數位設計，培養學生室內設計專業技能。

The Department was changed from the original Furniture Woodworking Department in August 1999 by, and belongs to the design group. It aims to cultivate grassroots talents in interior design and decoration technology. Also, it will train practical skills in training design, mapping, supervision and management, and cultivate students' interior design expertise based on traditional woodworking technology, modern aesthetics and digital design.

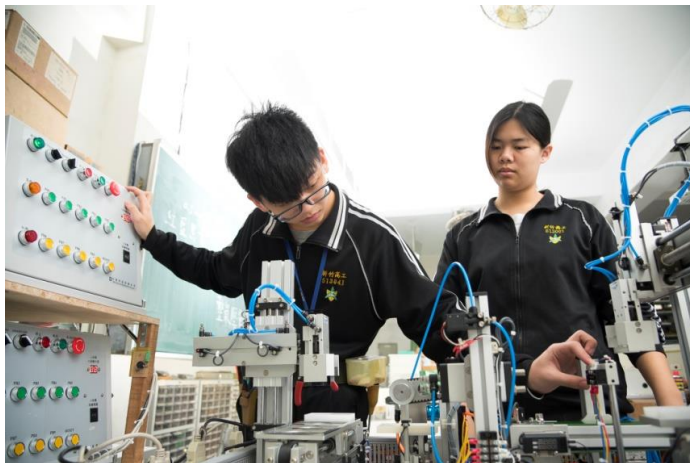
(老師肩膀上的半顆頭請修掉)



電機科(Department of Electrical Engineering)

本科創設於民國 49 年，原稱為電工科，民國 78 年時改為電機科。旨在培養電機基層技術專業人才。結合電機、電子、控制等精華，造就學生具有創造及適應社會變遷的能力。

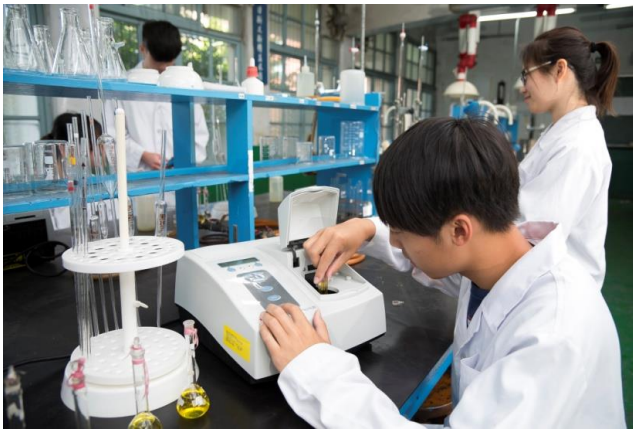
Formerly called Department of Electric, its undergraduate program was established in 1960. In 1989, it was changed to the Department of Electrical Engineering. It aims to train base technology professionals of electrical engineering. Also, it combines electrical engineering, electronics, control, etc. to enhance students' creation ability and adaption to social changes.



化工科(Department of Chemical Engineering)

本校創校時即成立化工科，75年改制為化工群化工科，在本校是歷史悠久的科別。辦學理念旨在培養化工相關產業的技術人才，具備工程領域的生產、品管、及工安衛生等本職學能，並且強化學生的就業與升學能力。

The Department was established at the founding of the school. In 1986, it was reorganized into the Department of Chemical Engineering. It is a long-established department in the school. It aims to cultivate technical talents in the chemical industry, to enhance their operation, quality control, and work safety capacities in the engineering field, and to strengthen students' ability to work and study.



餐飲服務科(Department of Restaurant Service)

本校綜合職能科主要提供新竹縣市輕度智能障礙學生適性教育，以就業為導向，透過職業試探、技能養成，培養學生就業與生活能力。目前課程設計以餐飲服務為導向，透過多元課程與證照輔導，促進學生能力與社區就業生態接軌。

The Department of Special Education of the school mainly provides suitable education for students with mild intellectual disabilities in Hsinchu County. It is employment-oriented. Through vocational testing and skill development, it aims to cultivate students' employment and living ability. At present, the curriculum design is oriented towards catering services. Through multi-curricular and certification counseling, students' ability to integrate with community employment is promoted.



進修部 Department of Advanced Study

設有機械科、電機科及製圖科等三科。旨在培養具備實作力、創新力及就業力之專業技術人才；提倡終身學習理念，提供職業繼續教育機會，強化產業發展基礎。

The department establishes three departments of Department of Mechanical Engineering, Department of electrical engineering, and Department of Drafting Engineering. It aims to cultivate professional and technical talents with practical, innovative and employable skills; promotes the concept of lifelong learning, provides opportunities for continuing education, and strengthens the foundation for industrial development.



學生社團 Student Associations

Associations with different attributes, such as music, performance, service, and static state.

含音樂性、表演性、服務性、靜態性...等性質不同之社團共 42 個。



英文版 放在這兒



新竹為國內國樂最為興盛的地區，每年 7 月竹塹國樂節更是兩岸國樂界一大盛事。本校國樂社在熱愛國樂的同學要求之下成立，除參加音樂比賽外，每年皆參與國樂節演出，以傳承並推廣傳統音樂為己任。

管樂社一直是新竹高工熱門社團，與國樂社同為學校重點發展社團，同時也擔任學校重要典禮的樂隊，更是本校進行國內外交流時不可或缺的演出團體。



Hsinchu boasts the most prosperous traditional Chinese music in Taiwan. Every July, the Zhuqian Traditional Chinese Music Festival is a major event in the traditional Chinese music industry in both Taiwan and mainland. The school's traditional Chinese music association was established at the request of students fond of traditional Chinese music. In addition to participating in the music competition, it participates in the performance of the Traditional Chinese Music Festival every year so as to inherit and promote traditional music.

Wind Instrument Club has been one of the popular clubs in HCVS, which is especially developed along with the Chinese Music Club. The wind instrument performances by the school band for major ceremonies always plays a critical role when it comes to school exchange at home and abroad.



儀隊為本校新成立社團，成軍以來，經由同學不斷努力，已成為最具特色之社團，頻頻受邀至校外演出。

The Honor Guards is a newly established association for the school. Since its establishment, it has become the most distinctive association through continuous efforts, and has been frequently invited to perform outside the school.



懿馨社及康輔社於平時社課時安排募捐發票、淨灘、掃街、老人關懷、帶領弱勢團體孩童營隊等活動，並配合學校辦理品德教育之推廣，參加社區參訪，安排社區老人關懷、環境整理等志工活動，於各項活動中，社員展現負責、有禮的態度，在實際經驗中體悟服務的真諦，培養正向的品德。

Yixin Association and Kangfu Association arrange fund-raising invoices, beach cleaning, street sweeping, elderly care, disadvantaged group children camps and other activities in social classes, and promote moral education or participate in community visits and community care for the elderly, environmental consolidation and other volunteer activities. Club members are responsible and courteous, and understand the true meaning of service in practical experience to cultivate their positive morality.



特色活動 Featured events

每年 3 月中旬，於新竹十八尖山舊校址辦理「竹工尋根之旅」師生共遊創校初址，體會創校艱辛以及了解學校變遷。期許竹工人恪守創校精神，以純樸、踏實的精神投身於工業，貢獻社會。



Every year in mid-March, at the old school site of 18 Peaks Mountain, Hsinchu, **Root-seeking journey** will be held for teachers and students to visit the former sites of the school, experience the hardships of the school and understand the school changes with the hope that students will be inspired to devote themselves to industry and contribute to society in a simple and pragmatic spirit.

本校每年舉辦詩歌朗誦比賽傳誦詩詞之美，校園充滿藝術人文氣息，打破大眾對工校的刻板印象。

Every year, the school holds the poetry reading competition to fill the campus with artistic and cultural atmosphere, breaking the public's stereotype of the school.

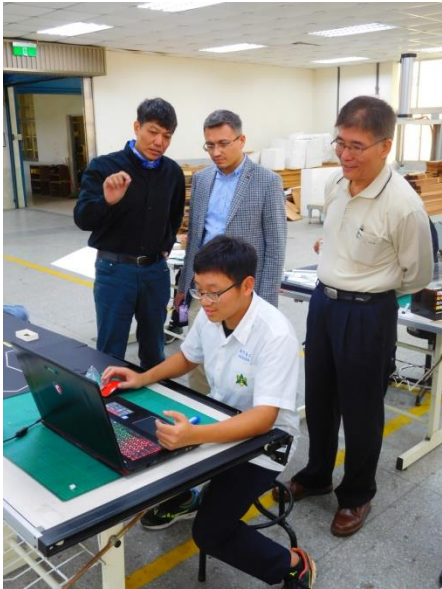


每學年舉行卡拉 ok 大賽，提供喜愛唱歌的同學一個演出的平台，比賽分出賽及決賽。決賽安排於週會時間進行，氣氛熱烈，為最受師生喜愛的週會活動。

Each year, the school will hold karaoke competition to provide a platform for students who like singing. The competition is divided into qualification and finals. The finals are arranged during the weekly meeting in warm atmosphere. It is the most popular weekly event for teachers and students.

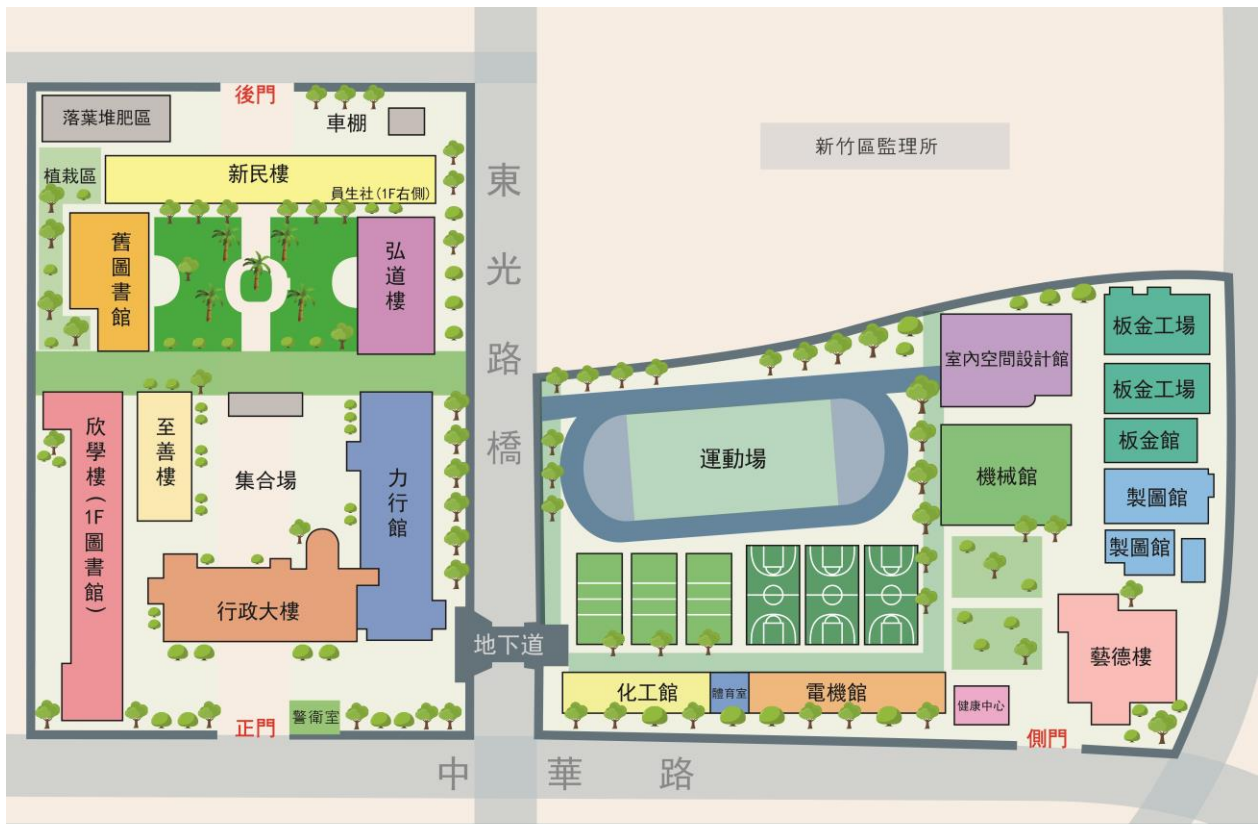


國際交流





國立新竹高工主要幹道圖



國立新竹高工校園位置平面圖

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Transportation

