



THOMAS SCHOOLS OF CHINA



THOMAS

修德 立人 行世界

Bilingual Integrated Courses

Interdisciplinary learning & Research based learning

Mentors from University of Cambridge and Stanford University

On-campus, off-campus and overseas resources for community learning

ABOUT THE SCHOOL

Thomas Schools are science-oriented private boarding schools, with the main campus in Shanghai, and additional campuses in Nanjing (capital city of Jiangsu Province), Jinan (capital city of Shandong Province), and Hefei (capital city of Anhui Province).

The schools offer a high school program that integrates outstanding traditional Chinese culture with world-class educational concepts and practices. With the advanced facilities for teaching and learning, the Schools are dedicated to cultivating modern citizens and professionals with national sentiment, global perspective and competence.

Our Schools collaborate with experts and professors from the University of Cambridge, Stanford University, and Thomas Jefferson High School for Science & Technology. They provide valuable guidance to our faculty and students in this unique learning environment.



Jinan

Nanjing

Hefei

Shanghai



VISION & MISSION

Vision: Our Schools intend to become regional brands, national first-class high schools, and internationally renowned private educational institutions.

Mission: With the philosophy of STEM/STEAM/Integrated Course curriculum and teaching methods from Thomas Jefferson High School for Science & Technology of the USA , the Schools cultivate students' abilities through inquiry-based learning with a strong focus on research. We believe character development is an essential ingredient in promoting harmonious growth of both knowledge and skills. Students are expected to become the outstanding adults with Chinese cultural heritage, broad international perspectives, and the ability to solve future social-economic and technological problems.



FACILITIES

The Schools have advanced teaching facilities, state-of-the-art information technology and a number of innovative and advanced research laboratories, which all ensure the students' needs for learning and research are well met. We have a variety of programs that integrate Chinese and Western cultural features to facilitate students' educational and sports activities, thereby creating a vibrant and colorful atmosphere on campus.



ACADEMIC COMMITTEE



From left: Mr. Geoffrey Jones/Prof. David Cardwell/Dr. Paul Cammer/Prof. Jonathan Osborne

Academic Director: Mr. Geoffrey Jones

(Founding principal of Thomas Jefferson High School for Science & Technology)

Director of Research: Dr. Paul Cammer

(Former Director of Neuroscience Research at Thomas Jefferson High School for Science & Technology)

Director of Curriculum Design: Prof. Johnathan Osborne

(Prof. School of Education, Stanford University, OECD-PISA Specialist, world renowned expert on STEM)

Director of Research Based Learning: Prof. David Cardwell

(Pro Vice Chancellor, University of Cambridge, Fellow of Royal Academy of Engineering, UK)



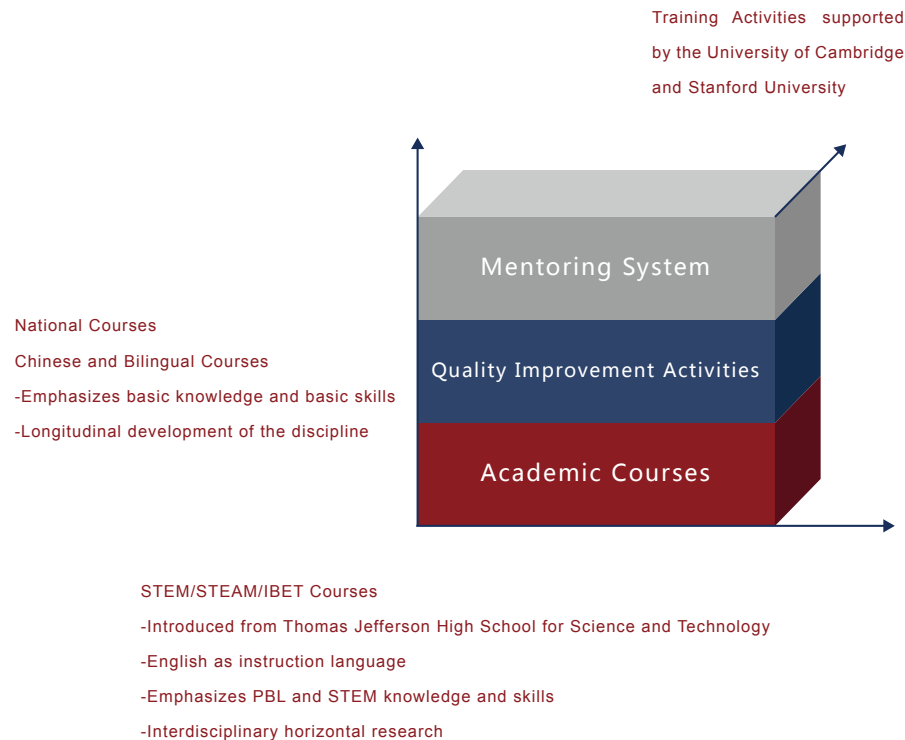
CURRICULUM

The Schools use the STEM/STEAM/Integrated Course curriculum of the Thomas Jefferson High School for Science & Technology, which is well-known and highly recognized by the leading universities in the United States. Within the framework of the Chinese national curriculum standards, our School developed research-based courses as the vehicle for delivering a solid STEM/STEAM/Integrated Course curriculum and a philosophy of interdisciplinary innovation.

Our teaching model centers on practical exploration, research-based learning, and interdisciplinary- application. In the process of teaching and learning, our teachers play the role of mentor, taking into account the students' passion for learning, stimulating their potential, and cultivating their critical thinking and creative problem-solving skills.

COURSE FEATURES

The Schools' curricula are designed within the scope of the basic requirements of the Chinese national curriculum and integrate the STEM/STEAM and the core curriculum of Thomas Jefferson High School for Science & Technology of USA to form an innovative curriculum that is in line with the national education policy and education philosophy.



Course Modules

Humanities courses: These courses are set up with Chinese national curriculum standards, supplemented by electives such as AP/IGCSE/Alevel Economics and Geography.

STEM & Integrated Courses: The Integrated Course, which is the core curriculum of Thomas Jefferson High School for Science & Technology, is introduced to our students. The combination of language, science and technology courses represents a new model adopted in teaching and learning and proven to be an effective tool for STEM education. A project tutoring program will be provided as part of the IBET course learning.

The Thomas Schools offer a series of AP/IGCSE/Alevel courses, including Calculus, Statistics,



Physics, Chemistry, Biology, and Computer Science. In addition, the schools also offer advanced STEM elective courses such as Biotechnology, Analytical Chemistry, Optical Physics, Artificial Intelligence and Technical Design. Year 12 students will have to conduct a year-long, original research project in one of the Schools' advanced research laboratories or in a nearby professional research facility as part of our Mentorship program.

DUAL MENTORING SYSTEM

Thomas Schools are committed to cultivating students' critical thinking and innovative scientific analytical skills. From the moment our students step onto campus, they are encouraged to have diverse ideas and they are provided various platforms of expression. This enables them to gain different learning experiences, inspiring them to engage with passion in the research-based learning environment we have created out our Schools.

With this as one of our philosophical pillars, Thomas Schools have enlisted the assistance of individual academics of the University of Cambridge and other world-class universities to facilitate our research-based



approach to education. Experts from leading universities work hand-in-hand with our faculty and students on the identification of meaningful research projects, designing experiments, data collection, and analysis of results. Under this cooperative arrangement, our students will emerge with superior creative thinking and problem-solving skills.

During the 1-year project-based research learning, each student will complete a project either individually or as a group under the guidance of an in-school and off-campus mentor. This project is not particularly high-end or very complicated, but it facilitates student to gain and improve personal qualities and competences.



Our leading experts provide students:

- Methods and ways to research
- Distribution and procurement of research materials
- Personalized choices for thesis topics and projects
- Designs and demonstrations of model experiments
- Continued follow-up of academic courses
- Data gathering from well-processed courses
- Issued and evaluated results
- Possible recommendation letters



Professor David Cardwell
Pro Vice Chancellor, University of Cambridge, UK
Fellow of Royal Academy of Engineering, UK
Director of research-based learning at Shanghai Thomas School



Dr. Emilie Ringe
Lecturer in Materials Science and Earth Science
Ph.D. in Chemistry and Materials Science from Northwestern University, USA
Mentor for founding students at Shanghai Thomas School



Dr. John S. Biggins
Lecturer in Applied Mechanics, College of Engineering, University of Cambridge, UK
Ph.D. in Physics, University of Cambridge, UK
Mentor for founding students at Shanghai Thomas School

(More to come)

Cambridge University's Pro-Vice-Chancellor David Cardwell facilitating the Thomas School's launch with other professors



A video project unveiled in the school's IBET classroom



Ivy league student enrollment officers visiting Shanghai Thomas School students face-to-face



Sports Day at Shanghai Thomas School



Dr. Alan Bersin, member of the board of directors of Harvard University, arriving at Shanghai Thomas School to conduct an academic conference

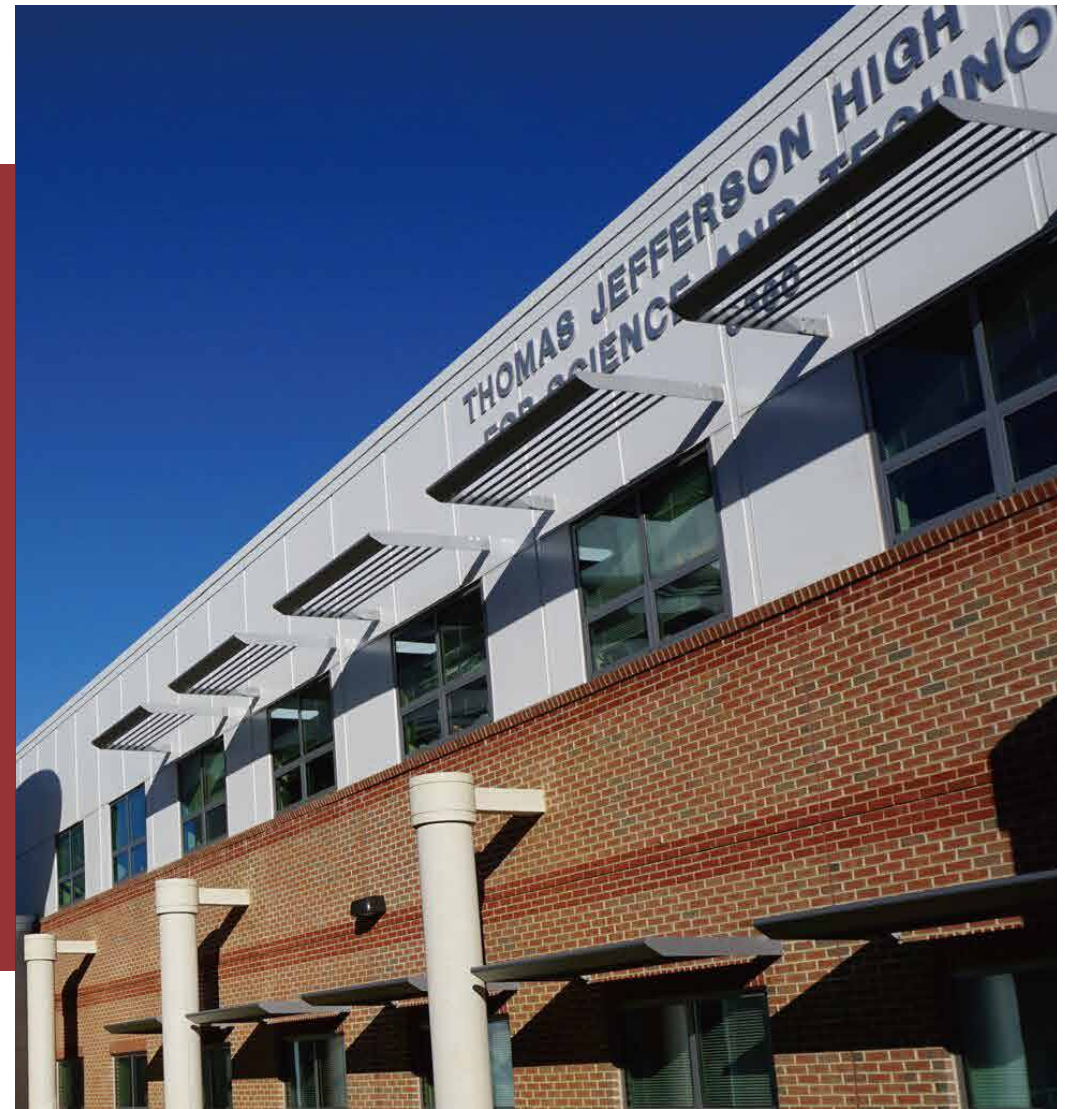


THOMAS JEFFERSON HIGH SCHOOL FOR SCIENCE & TECHNOLOGY



Established in 1985 in Alexandria, Virginia USA, Thomas Jefferson High School for Science & Technology (TJHSST) is the result of a partnership of businesses and schools created to improve education in science, mathematics, and technology. It is always ranked as one of the top high schools in America.

Thomas Jefferson High School for Science & Technology features STEM as a school curriculum. Interdisciplinary learning is promoted and viewed as a unique course that truly integrates the learning of language, science and technology, leading STEM education in the United States for 30 years.



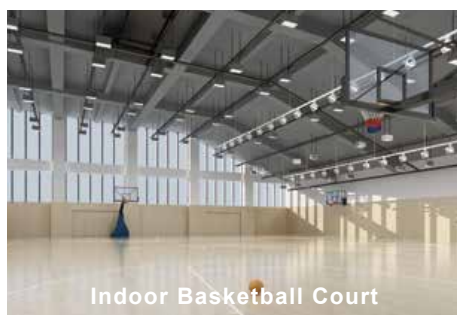
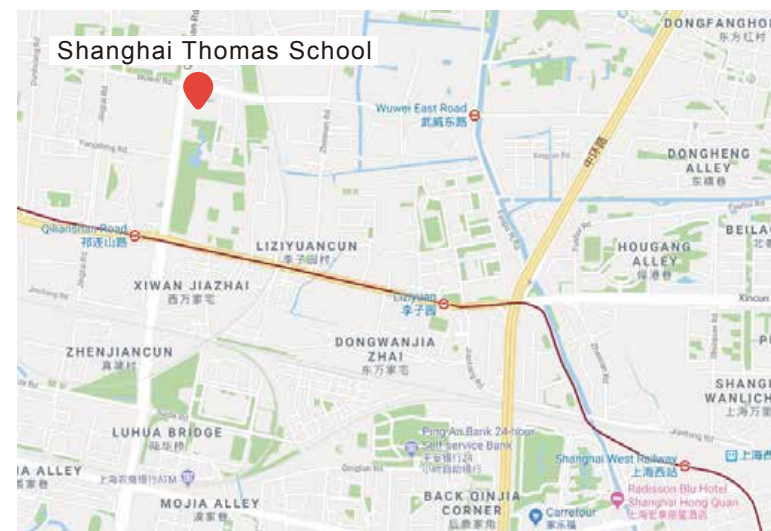
SHANGHAI THOMAS SCHOOL

Transportation routes to school:

Subway: Line 11 to Qilianshan Station

Bus lines: 112, 830, 937, 766, 62, 117, 517, 742, 708

Address: Taopu, Zhichuan City, Putuo District, Shanghai



Indoor Basketball Court



Gymnastics Room



Indoor Swimming Pool



Primary School Atrium



Music Room



Small Theater



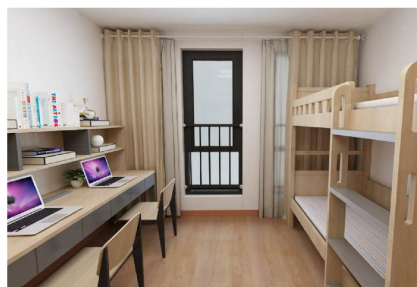
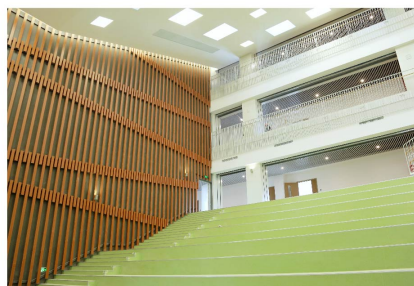
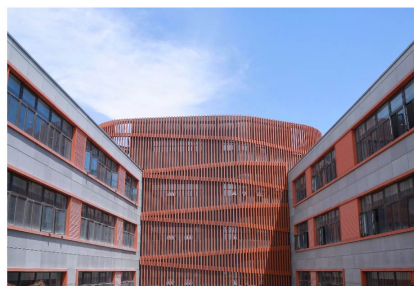
Library



Dining Room



SHANGHAI THOMAS SCHOOL

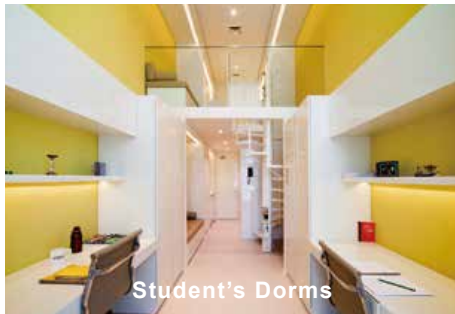


JINAN THOMAS SCHOOL

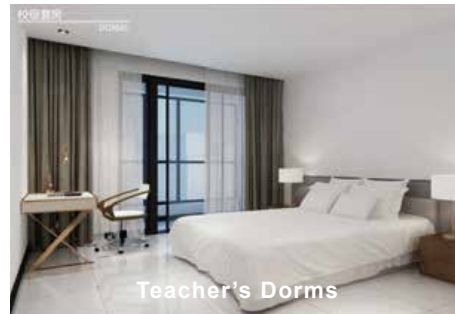
Transportation routes to school:

Bus lines: 326,K185

Address:Fenghuang South Road, Gaoxin District, Jinan City, Shandong Province



Student's Dorms



Teacher's Dorms



Classroom



Computer Room



Music Room



Small Theater



Library



Dining Room

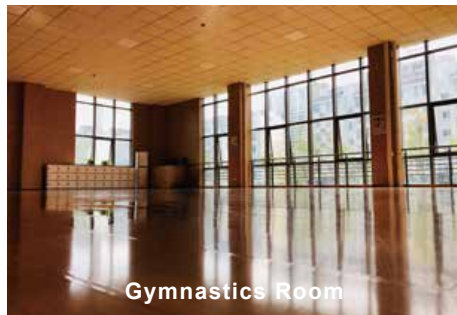
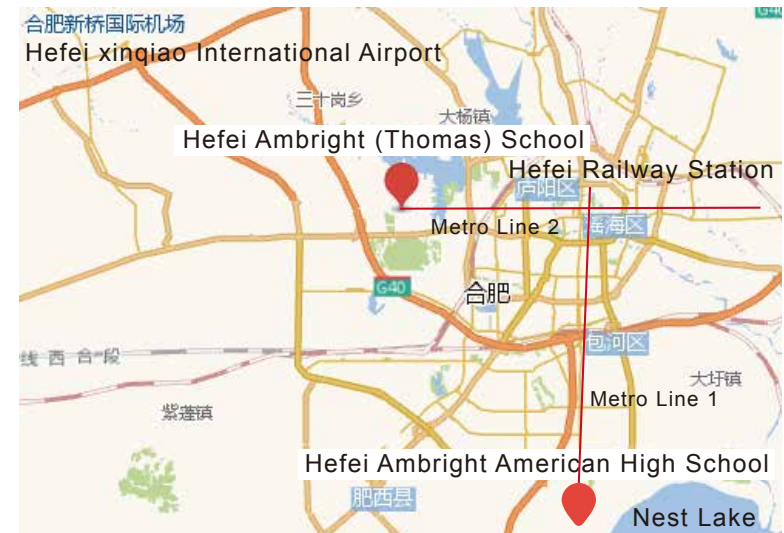
HEFEI AMBRIGHT (THOMAS) SCHOOL

Transportation routes to school:

Subway: Line 2 to Shushan Station

Bus lines: 56,650

Address: Changjiang West Road, Shushan District, Hefei City, Anhui Province



Gymnastics Room



Computer Room



Classroom



Drawing Room



Classroom



Playground



Library



Lab



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<http://www.thomasschools.com>

<http://www.ambrightgroup.com>