





Spectra Spectacular

Together We Can

SPECTRA
SECONDARY SCHOOL

School Vision

Every Spectran equipped to lead a fulfilling life.

School Mission

Provide an engaging learning experience that prepares every Spectran for work and life.

School Values

Respect our Foundation
Responsibility our Spirit
Resilience our Strength

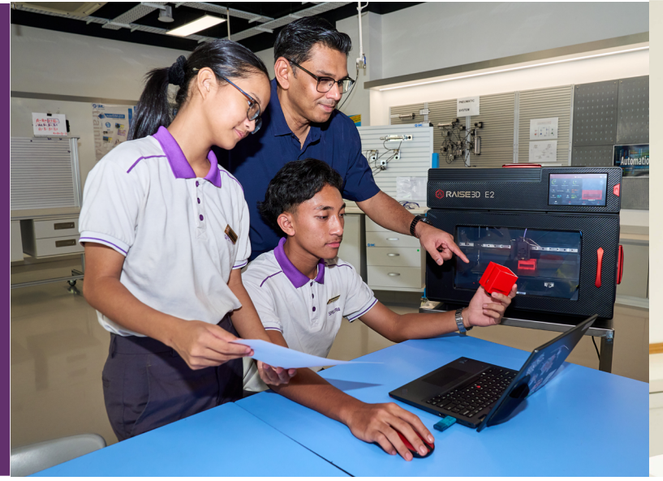
Vision.Values Mission



Spectra Secondary School was established in 2013. We prepare our students for further studies in the ITE through our customised academic and vocational curriculum.

We focus on three broad areas:

1. Nurturing students' sense of self-worth, self-confidence and motivation so that they lead purposeful and happy lives.
2. Enhancing students' literacy, numeracy and digital skills so that they experience success in school, work and life.
3. Stimulating students' interests and career aspirations through a blended curriculum (academic and vocational) that deepens their knowledge, skills and attitude.





Curriculum

Academic Subjects

- English Language
- Mother Tongue Languages
- Mathematics
- Science (lower secondary)
- Information and Communication Technology (lower secondary)

Eligible students may offer selected subjects at G2 level.

Student Development

- Physical Education and Aesthetics
- Character and Citizenship Education

Vocational (ITE Skills Subjects)

- Culinary and Restaurant Operations
- Retail and e-Commerce
- Internet of Things Applications
- Mechanical Design and Automation
- Mobile Web Applications

Culinary and Restaurant Operations

Students learn how to prepare restaurant-standard meals and cafe-standard coffee beverages, provide food and beverage service, and organise themed events.

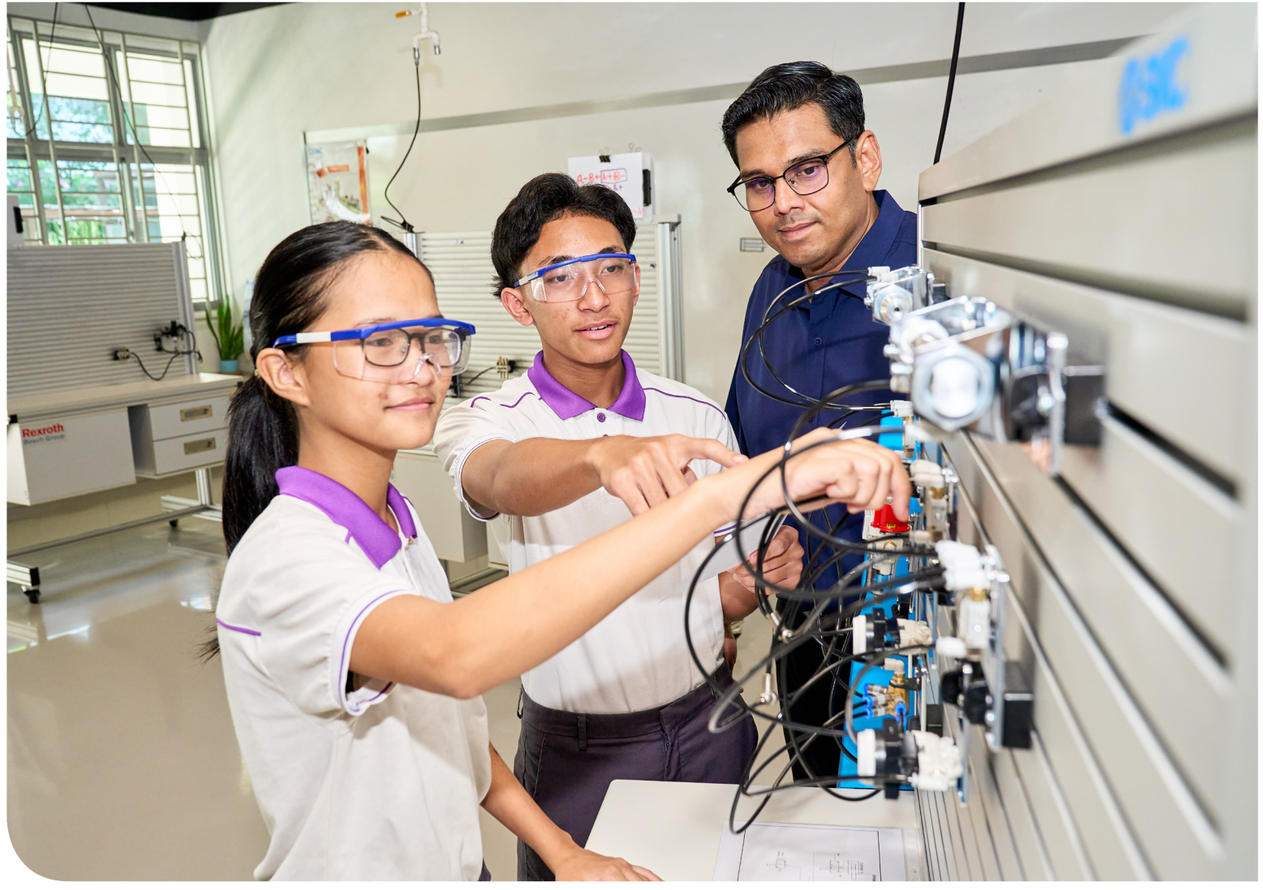




Retail and e-Commerce

Students learn how to perform retail selling including online and omni-channel retailing, produce promotional collaterals and brochures, handle logistics in inventory control, and display merchandise.





Internet of Things Applications

Students learn how to produce basic IoT prototypes and deploy simple software applications in an authentic industrial and commercial system.

Mechanical Design and Automation

Students learn how to design simple 3D products, create 3D models using CAD, produce prototypes using a 3D printer, perform mechanical fitting and assembly, and assemble parts and components to complete an automated unit.

Mobile Web Applications

Students learn how to develop rich user interface and responsive mobile web applications for common mobile devices.











ITE Skills Subjects Plus (ISS+)

To provide opportunities for eligible upper secondary students to deepen their understanding of Vocational Education, ISS+ was introduced in 2023. This programme allows students to go through an advanced skills-based curriculum, enhanced Industry Experiential Programme, a coaching and mentoring programme and an overseas learning experience in Asia.

Sustainable Agriculture

Sustainable Agriculture forms an integral part of our enriched curriculum, offering students an immersive learning experience in our Spectra Edible Learning Garden and Green Room. Through hands-on activities, they acquire knowledge and practical skills in sustainable agricultural practices. This holistic approach not only fosters a deep understanding of environmental conservation and food sustainability, but also instills essential values such as responsibility and resilience within our students.







Learning Through Immersive Play and Technology

Our students explore Mathematics by connecting local culture through hands-on learning. Students experience how Mathematics can be found in the familiar world around them.

Task-based learning through Immersive Technology is part of our English Language curriculum where students use technological tools such as Google Earth to explore the world, share dream travel destinations and plan adventurous travel itineraries. The interactivity and multimodal features of digital technologies help to differentiate the nature of content, learning processes and products of learning to meet the needs of our students.









Industry Experiential Programme

With strong support from our industry partners, the Industry Experiential Programme (IEP) is part of our Vocational Education curriculum where students have opportunities to learn in authentic work environments and apply what they have learnt in Spectra. These experiences enable our students to discover their aspirations and pursue their dreams with commitment after they graduate from Spectra.

After-School Engagement Programme

Spectra designs a number of After-School Engagement Programmes (ASE) to provide students with opportunities to meet new friends, learn new skills, and develop a sense of belonging to the school in a fun and safe environment. We work closely with external agencies to expand our network of support for our students. Spectrans can learn new skills and pursue their passions in areas such as cycling at our Spectra Bike Station, performing as part of the Speckles Pop Band, or even make-up and hairstyling. In addition, various sports activities such as futsal, kinball, and martial arts are available for our students to participate in.

















Co-curricular Activities

At Spectra, we empower students to aspire towards their dreams. Through a diverse range of CCAs, our students discover new interests, develop their talents and build on their strengths. Our dedicated teachers and coaches encourage students to experiment, learn new skills and pursue their passion in the following CCAs:

Sports	–	Basketball, Floorball, Football and Young Trekkers
Uniformed Groups	–	Girl Guides and National Civil Defence Cadet Corps
Visual and Performing Arts	–	Dance Club, Music Club and Young Artists
Clubs and Societies	–	Media & Photography Club, Urban Farmers, Young Chefs, Young Creators and Young Engineers

Alumni Testimonies



Aw Hong Wei
(Class of 2018)

- Recipient of the ITE Scholarship (2019)
- Achieved the Student Excellence Award and Halogen Certificate of Merit
- Recipient of the Lee Kuan Yew Model Student Award (ITE) (2021)
- Graduated with a Diploma in Accountancy, Ngee Ann Polytechnic
- Currently pursuing Bachelor of Accountancy in Nanyang Technological University (NTU)



Kaitlyn Ong
(Class of 2020)

- President, 4th Student Council
- Recipient of the Spectran of the Year (2020) and Tay Eng Soon Award (2021)
- Recipient of Certificate of Merit and Gold Course Medal for *Nitec* in Visual Communication
- Valedictorian, School of Design & Media at ITE College Central
- Featured in the Straits Times for co-illustrating a community Hari Raya Cookbook on 17 June 2021
- Currently studying Media, Arts & Design at Singapore Polytechnic



Derinda Lim Wei Ying
(Class of 2022)

- President, 6th Student Council
- Recipient of the Spectran of the Year (2022) and Tay Eng Soon Award (2023)
- Awarded the Lee Kuan Yew Award for All-Round Excellence (Secondary) (2023)
- Outstanding Graduate Award, School of Business and Services at ITE College Central
- Currently pursuing Diploma in Hotel and Leisure Management at Republic Polytechnic



Irene Lee Ai Wei
(Class of 2023)

- Awarded the Medallion for Excellence in Graphic Design Technology at WorldSkills Singapore (2025)
- Valedictorian, School of Design & Media at ITE College Central (2025)
- Recipient of the Lee Kuan Yew Model Student Award (ITE) (2026)
- Currently enrolled in Diploma in Communication Design at Temasek Polytechnic



Tarshvinwaran S/O Balasubramaniam
(Class of 2023)

- Vice-President, 7th Student Council
- Recipient of the Spectran of the Year (2023) and Tay Eng Soon Award (2024)
- Recipient of the Lee Kuan Yew Award for All-Round Excellence (Secondary) (2024)
- Featured in Tamil Murasu on 24 Dec 2023 for his N Level Achievements
- Recipient of Bronze Course Medal for *Nitec* in Aerospace Machining Technology
- Currently pursuing Diploma in Advanced and Digital Manufacturing at Nanyang Polytechnic



Dinie Nur Firska Binte Nurul Firdaus
(Class of 2025)

- President, Dance Club and member of the Student Council EXCO
- Recipient of the Spectran of the Year (2025) and Tay Eng Soon Award (2026)
- Recipient of the Lee Kuan Yew Award for All-Round Excellence (Secondary) (2026)
- Currently pursuing *Nitec* in Passenger Services at ITE College Central

SPECTRA
SECONDARY SCHOOL

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SpectraSecondarySchool

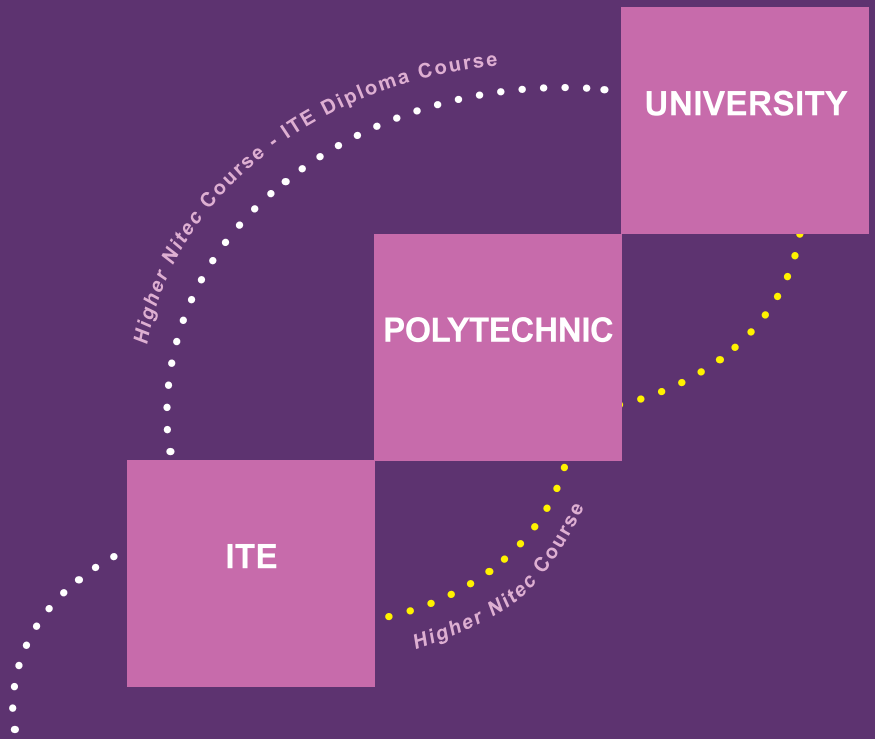
spectrastories

Check out
our website

JOIN US AT OUR OPEN HOUSE!

BUS: 962 and 901M
MRT: ADMIRALTY STATION

EDUCATIONAL PATHWAY



SPECTRA SECONDARY SCHOOL

- Spectra offers a blended academic and vocational curriculum that prepares our students for a seamless transition to the Institute of Technical Education (ITE).
- Spectra students obtain 2 certifications upon graduation at the end of Secondary 4 – Singapore-Cambridge Secondary Education Certificate (SEC) and ITE Skills Subject Certificate (ISSC).
- Spectra graduates will study the Higher Nitec courses and may progress into Diploma courses in the ITE or Polytechnics. With a Diploma, they may progress to the local Universities upon fulfilling specific admission requirements.