

Examples of Infrastructural Enhancements to Support the Future of Learning

A. Improve learning spaces to support different learning modes, enabled by technology

i. Support more student-centred, experiential, and collaborative learning



[Photo 1] Montfort Secondary School: Students learning in a more collaborative setting, where the lesson and discussions are supported by online resources accessed via their Personal Learning Devices. The use of flexible furniture allows the classroom to be configured to support varied teaching and learning approaches and activities.



[Photo 2] Montfort Secondary School: Students can more readily engage in small group discussions, sharing and presentations, through the use of mobile furniture and more writing surfaces to enhance the flexibility of the classroom.

**Support more student-centred, experiential, and collaborative learning
(Refreshed school library)**



[Photo 3] Yuhua Secondary School: The library at Yuhua Secondary School was redesigned as a multi-purpose learning environment to support a range of student activities, including reading, self-study, discussions and presentations. Varied seating options, spaces for group work and events, and the availability of enclosed, quiet Work Pods are some features which cater to diverse student needs and preferences.



[Photo 4] Yuhua Secondary School: A student engaging in quiet self-study using his Personal Learning Device in the library. The provision of electrical points and ample lighting provide a conducive environment for students to read and study, while the integrated greenery helps to create a more relaxing atmosphere.



[Photo 5] Bendemeer Secondary School: Students reading in a cosy cove thoughtfully integrated with bookshelves in the library. Glass windows overlooking the surroundings allow for natural lighting, while comfortable furniture and an aesthetic book display provide a conducive environment for reading.



[Photo 6] Bendemeer Secondary School: Students using a multi-purpose space within the redesigned library for self-study, reading and discussion. This tiered space may be used for other purposes, such as small group presentations, or book talks and exhibitions. The comfortable seating options help students feel more relaxed and allow them to configure the use of the space based on their needs.



[Photo 7] Bendemeer Secondary School: Students conducting research together in the library's discussion and collaboration area. The variety of seating options provide students with conducive spaces to read, learn and discuss. Placing seats near bookshelves also facilitates their easy access to reference materials and encourages them to select titles and browse.

**Support more student-centred, experiential, and collaborative learning
(Refreshed Science Laboratories)**



[Photo 8] Tanjong Katong Secondary School: Students working collaboratively in a scientific investigation. Laboratory benches are redesigned with more leg room to allow students to sit more comfortably while working with their peers in neighbouring rows during group discussions. The longer benchtop also provides more space for students to use their Personal Learning Devices and data loggers when conducting experiments.

ii. Enhance learning through educational technologies



[Photo 9] Chua Chu Kang Secondary School: The use of Augmented Reality & Virtual Reality technology allows for more immersive and interactive learning experiences.

B. Enhance work environment to facilitate teachers' collaboration and professional development

i. Enhancing work spaces



[Photo 10] Beatty Secondary School: Flexible collaborative workspaces allow staff to readily transit between individual work, informal engagements and group discussions, such as brainstorming on curriculum design, or sharing teaching practices.





[Photos 11 and 12] Beatty Secondary School: The staff lounge promotes a collaborative school culture by providing an accessible, multi-purpose communal space that encourages staff interactions. The varied seating options and integration of technology allows the space to be used flexibly for professional sharing, team-bonding, and casual discussions, in addition to staff breaks.

C. Design more facilities for sharing with the community and to promote social mixing across schools

i. Facilities for sharing with community to strengthen school-community partnership



[Photo 13] Queensway Secondary School: Children from the ActiveSG Football Academy using the school field under Sport Singapore's Dual-Use Scheme.

[Photo Credit: Sport Singapore]

ii. Facilities that promote inter-school activities and social mixing



[Photo 14] Greendale Primary School: Students using the rock-climbing wall in Greendale Secondary School for their Outdoor Education Leadership training under the school's Learning for Life Programme. Greendale Secondary School's Outdoor Adventure Club members (in light yellow t-shirt) supported the activity.

D. Improving student learning environment and services

i. Making schools more climate resilient (More greenery for schools)



[Photo 15] Edgefield Primary School: The introduction of gardens between blocks and rain-shields along corridors help to increase greenery and mitigate the impact of inclement weather, while creating more opportunities for outdoor experiential learning.



[Photo 16] Tampines Secondary School: Enhancing their existing outdoor spaces, the school has worked closely with the community to create an eco-garden which provides rich learning experiences for students while introducing more greenery in their school.

ii. Address manpower challenges (Alternative canteen model at Yusof Ishak Secondary School)



[Photo 17] Yusof Ishak Secondary School: Part of the school's canteen was configured to support a central catering model where students can pre-order and collect their meals during lunch. Students collect their pre-ordered meals by tapping their School Smart Card at the dispensary station.



[Photo 18] Yusof Ishak Secondary School: Students enjoying healthy bento style meals in reusable metal containers. Meals prepared fully comply with the 'Healthy Meals in Schools Programme' under the Health Promotion Board.