

Centre for the Advancement of Information Technology in Education

Throughout the past years, the Centre for the Advancement of Information Technology in Education (CAITE) endeavoured to promote collaborative learning, develop an exploratory outdoor learning environment, and enhance the integration of information technology in education.

Promotion of Collaborative Learning

With the invaluable support of principals and teachers and the active participation of students, the project “Cross-Region Game-based Collaborative Inquiry Learning” was launched successfully through the Learning Villages platform in this academic year. In addition to the usual pairings of schools between Hong Kong–Beijing, Hong Kong–Guangzhou, Hong Kong–Taiwan and Hong Kong–Singapore, a new matching pattern of schools in Hong Kong–Beijing–Taiwan and Hong Kong–Taiwan–Singapore has been implemented. The project has demonstrated how the game-based collaborative approach is able to broaden students’ horizons, increase students’ sense of achievement by the invest-and-reward mechanism in Learning Villages, foster students’ development in their potential and specific abilities (including skills in analyzing, integrating and evaluating resources from the Internet), equip students with a variety of learning approaches, and cultivate students’ team spirit.



Teachers guided students in learning activities and distributed tasks to them.



Students were introduced the use of EagleEye and the learning objectives.



Students were doing an outdoor learning activity.

Development of an Exploratory Outdoor Learning Environment

EagleEye is an outdoor learning system. With its specially designed features and the use of Global Positioning System (GPS), teachers can use the EagleEye content production system to design outdoor learning activities for students. Students are expected to explore and get the tasks done through treasure-hunting activities using the EagleEye client.

In order to develop students’ skills for project-based learning (including collaboration, problem-solving and critical thinking) and to prepare junior form students to prepare for the New Senior Secondary Liberal Studies, CAITE recruited schools to join our new project “Love School, Hong Kong and the Earth”.

To further promote the effectiveness of using outdoor learning systems, EagleEye was showcased in the InnoCarnival on 5–13 November 2011 in Hong Kong Science Park.

Enhancement of the Integration of Information Technology in Education

To promote the application of information technology in teaching, CAITE, commissioned by the Education Bureau, organized two professional training courses for school teachers. “Using Free Web-based Applications for Learning and Teaching with Focuses on Project-based Learning (PBL) and Independent Enquiry Study (IES)” aims at introducing the basic concepts of free Web-based applications that schools may adopt to facilitate learning and teaching of PBL and IES while “Effective Use of Google SketchUp in the Learning and Teaching of Geometry in Secondary Mathematics” introduces online visualization tools that teachers and students may use to create 2D or 3D models.

In the coming years, CAITE will continue to collaborate with the academic communities in organizing educational activities.