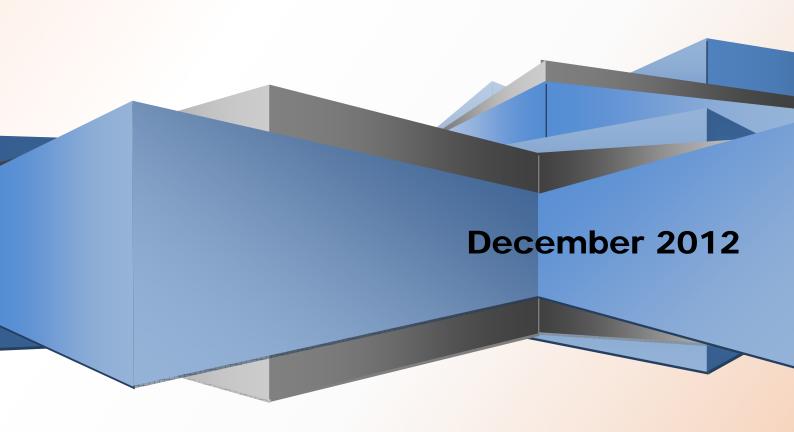


# Report on the Review Surveys of the THIRD Strategy on Information Technology in Education [Appendices]



Education Bureau
The Government of
the Hong Kong Special Administrative Region

# **Table of Contents**

Appendix 1: Construct Map of Review Survey(s)	2
Appendix 2: Development of Indicators of Review Survey(s)	13
Appendix 3: Questionnaire for Primary School Sector (RS1PE)	20
Appendix 4: Questionnaire for Secondary School Sector (RS1SE)	25
Appendix 5: Questionnaire for Special School (Mainstream Curriculum) Sector (RS1EME)	30
Appendix 6: Questionnaire for Special School (Special Curriculum) Sector (RS1ESE)	35
Appendix 7: Questionnaire for Primary School Sector (RS2PE)	40
Appendix 8: Questionnaire for Secondary School Sector (RS2SE)	45
Appendix 9: Questionnaire for Special School Mainstream Curriculum Sector (RS2EME)	50
Appendix 10: Questionnaire for Special School Special Curriculum Sector (RS2ESE)	55

## **Appendix 1: Construct Map of Review Survey(s)**

	Selected Phase (I) Study Indicators	UNESCO Study Review Areas	Selected UNESCO Study Indicators	Review Survey(s) Review Areas (Related Action No. of the Third Strategy <sup>ii</sup> )	Possible / Modified* Indicators for Review Survey(s) [# denotes indicators which are excluded from Review Survey(s)]
Input Dimension  EV1 Students' Perception of Learning with IT EV2	Teachers' Competency in ITEd	Teaching	(1) Level of expertise in the	(1) IT Deployment for	From Phase (I) Study
well as Teachers' & School Heads'	<ol> <li>Teachers' overall level of IT competency</li> <li>School heads' views on teachers' IT competency in the school</li> <li>Teachers' / therapists' self-evaluated level of confidence in selecting appropriate IT resources for students</li> <li>Teachers' &amp; School Heads' Perception of ITEd</li> <li>Teachers' ITEd perception – roles of teachers</li> <li>Teachers' / therapists' perceived roles when applying IT in learning and teaching</li> </ol>		use of ICT <sup>iii</sup>		<ul> <li>(2) School heads' views on teachers' IT competency in the school#</li> <li>(3) Teachers' / therapists' self-evaluated level of confidence in selecting appropriate IT resources for students (Modified to Teachers' / therapists' self-evaluated level of confidence in using IT resources in teaching*)</li> <li>(4) Teachers' / therapists' perceived roles when applying IT in learning and teaching (Modified to Teachers' / therapists' perceived roles in ITEd development*)</li> <li>From UNESCO</li> <li>(1) Level of expertise in the use of ICT#</li> <li>Target Indicator(s)</li> <li>(1) Human resources</li> <li>(2) Teachers' confidence in using IT</li> </ul>
Input Dimension  EV3 Community-wide Support & Parents' Involvement	Home-school collaboration     School heads' views on the kind of home-school collaboration activities / measures and promotion of ITEd activities /	learning	<ol> <li>Number of learners with ICT access outside school</li> </ol>	(2) IT Deployment in School (6 & 7)	<ol> <li>From Phase (I) Study</li> <li>School heads' views on the kind of home-school collaboration activities / measures and promotion of ITEd activities / programmes which school has organised / participated</li> <li>School heads' self-evaluation on whether schools have appropriate measures to engage parents' involvement in the promotion of learning and teaching with IT</li> <li>Parents' and students' views on the adequacy of IT facilities at home (Modified to School heads' views on the adequacy of IT facilities at home*)</li> <li>School heads' views on the ways to communicate with parents</li> <li>School heads' views on the way(s) that PTA can help in ensuring</li> </ol>

Phase (I) Study <sup>i</sup> Review Areas	Selected Phase (I) Study Indicators	UNESCO Study Review Areas	Selected UNESCO Study Indicators	Review Survey(s) Review Areas (Related Action No. of the Third Strategy <sup>ii</sup> )	Possible / Modified* Indicators for Review Survey(s) [# denotes indicators which are excluded from Review Survey(s)]
	<ul> <li>II. Parents as the supporters and motivators for students learning with IT</li> <li>(1) Parents' and students' views on the adequacy of IT facilities at home</li> <li>III. Parents' use of IT as a communication tool</li> <li>(1) School heads' views on the ways to communicate with parents</li> <li>IV. Role of parents to ensure students' understanding of ethical, legal and health issues involved in using IT</li> <li>(1) School heads' views on the way(s) that PTA can help in ensuring students' understanding of ethical, legal and health issues involved in using IT</li> <li>Community-school Collaboration</li> <li>I. Help offered to the poor / needy students</li> <li>(1) School takes measures to cater for poor students' needs of IT resources / support</li> <li>(2) School heads' self-evaluation on whether schools have appropriate measure(s) to address digital divide issue</li> <li>(3) Families with Personal Computer(s) at Home by Monthly Family Income</li> <li>(4) Families with Internet Access at Home by Monthly Family Income</li> </ul>				students' understanding of ethical, legal and health issues involved in using IT  (6) School takes measures to cater for poor students' needs of IT resources / support  (7) School heads' self-evaluation on whether schools have appropriate measure(s) to address digital divide issue  (8) Families with Personal Computer(s) at Home by Monthly Family Income (Modified to Families with Personal Computer(s) at home*)  (9) Families with Internet Access at Home by Monthly Family Income (Modified to Families with Internet Access at home*)  From UNESCO  (1) Number of learners with ICT access outside school  Target Indicator(s)  (1) Availability & type(s) of mechanism(s) / measure(s) deployed  (2) Provision of computers & Internet access at home  (3) Parents' participation

Phase (I) Study <sup>i</sup> Review Areas	Selected Phase (I) Study Indicators	UNESCO Study Review Areas	Indicators	Review Areas	for R	ible / Modified* Indicators Review Survey(s) notes indicators which are excluded from Review Survey(s)]
Context	School ITEd Curriculum	Curriculum /	(1) Existence of a prescribed	(1) IT Deployment for	From	Phase (I) Study
Dimension	I. IT Learning Targets	Textbooks	curriculum at all levels,	Learning / teaching	(1)	Frequency of students' use of computers in school [Modified to
Difficusion	(1) Frequency of students' use of computers in		both formal and	(1, 2 & 8)		Availability of computer room(s) for student use beyond
EV4	school		non-formal and those for			school hours*]
School ITEd	(2) Students' views on the ways they learn			(2) IT Deployment in	(2)	Students' view on the ways they learn knowledge and skills of IT
Curriculumiv	knowledge and skills of 11		special needs that			(Modified to Ways that students learn knowledge and skills of
	(3) Information on school ITEd curriculum		incorporates ICT (to be			IT*)
	(4) School heads' self-evaluation on		sourced from both		(3)	School heads' self-evaluation on opportunities for students to
	opportunities for students to learn the		national and school			learn the knowledge and skills of IT#
	knowledge and skills of IT		levels)		(4)	School heads' self-evaluation on teachers' provision of
	(5) School heads' self-evaluation on teachers'		(2) Manner in which ICT is			opportunities to students to learn IT knowledge across school
	provision of opportunities to students to		introduced or being			curriculum [Combined with (3) and modified to School heads'
	learn IT knowledge across school		taught in the school and			self-evaluation on provision of opportunities for students to learn
	curriculum		the hours spent on its			the knowledge and skills of IT*]
	(6) ITEd Team's views on the incorporation of		teaching		(5)	Information on school ITEd curriculum
	Information Literacy in school curriculum		(3) Educational levels at		(6)	ITEd Team's views on the incorporation of Information Literacy
	(7) School heads' views on the frequency of IT		which ICT is introduced			in school curriculum (Modified to Incorporation of
	use in various KLAs		as a separate subject			Information Literacy in school curriculum*)
	(8) Students' view on KLAs in which teachers		(4) Subjects into which ICT		(7)	School heads' views on the frequency of IT use in various KLAs
	frequently use computers in class		is introduced			(Modified to Extent of teachers' computer use in class*)
	(9) Teachers' views on the type of school		(5) Extent of ICT integration		(8)	Students' views on KLAs in which teachers frequently use
	task(s) that they use IT		in the curriculum			computers in class (Modified to Extent of teachers' use of IT
			(6) Purposes for which			in various subjects / KLAs*)
	II. The use of IT across KLAs / generic skills		computers are being		(9)	Teachers' views on the type of school task(s) that they use IT
	(1) School heads' views on the school		used for instruction in			(Modified to Teachers' ways of using IT*)
	curriculum design with integrated use of IT		schools at the		(10)	School heads' views on the school curriculum design with
			pre-school, elementary,			integrated use of IT
			secondary and			
			non-formal education			
			levels		l	

Phase (I) Study <sup>i</sup> Review Areas	Selected Phase (I) Study Indicators	Selected UNESCO Study Indicators	(Related Action No. of the Third Strategy <sup>ii</sup> )	Possible / Modified* Indicators for Review Survey(s) [# denotes indicators which are excluded from Review Survey(s)]
			(2) IT Deployment in School (1) cont.	<ul> <li>From UNESCO</li> <li>(1) Existence of a prescribed curriculum at all levels, both formal and non-formal and those for minorities and with special needs that incorporates ICT (to be sourced from both national and school levels)<sup>#</sup></li> <li>(2) Manner in which ICT is introduced or being taught in the school and the hours spent on its teaching</li> <li>(3) Educational levels at which ICT is introduced as a separate subject (Modified to ICT is introduced as a separate subject (Modified to ICT is introduced</li> <li>(5) Extent of ICT integration in the curriculum</li> <li>(6) Purposes for which computers are being used for instruction in schools at the pre-school, elementary, secondary and non-formal education levels<sup>#</sup></li> </ul>
Context Dimension  EV4 School ITEC Curriculum (cont'd)	1			Target Indicator(s) (1) Availability of computer rooms(s) for student use beyond school hours (2) Information about school's ITEd curriculum (3) Way(s) of using IT (4) Extent of IT use

Phase (I) Study <sup>i</sup> Review Areas	Selected Phase (I) Study Indicators	UNESCO Study Review Areas	Selected UNESCO Study Indicators	Review Areas	ossible / Modified* Indicators r Review Survey(s) denotes indicators which are excluded from Review Survey(s)]
EV5 School Professional Development in ITEd (Training Opportunities)	School Professional Development in ITEd (Training Opportunities)  I. Types & effectiveness of ITEd professional development  (1) Training received by school teachers to equip themselves with knowledge and skills  (2) Teachers' / therapists' views on the types and modes of ITEd professional development they would like to have  (3) Teachers' / therapists' experience in the participation of ITEd professional development  (4) School heads' views on the types and modes of ITEd professional development they would like to have	Professionals Use and Teaching	acquired pre-service	School (1&2) (1) (2) School Expectations (2) on ITEd (2) (3) (4)  Fr (1) (2) (3) (4) (5) (6)	knowledge and skills  Teachers' / therapists' views on the types and modes of ITEd professional development they would like to have  Teachers' / therapists' experience in the participation of ITEd professional development  School heads' views on the types and modes of ITEd professional development they would like to have  MOMESCO  Percentage of teaching professionals who acquired pre-service training on ICT (sourcing from national and school levels) <sup>#</sup> Percentage of teaching professionals who received training in the last 3 years as part of in-service training <sup>#</sup> Level of ICT training (basic, intermediate, advanced) for both pre-service and in-service <sup>#</sup> Number of hours teachers are trained <sup>#</sup> Reasons for participating in ICT training <sup>#</sup> Use of Internet for teaching and how often  Leget Indicator(s)  Teachers' professional development on ITEd  Way(s) of using IT
Context Dimension EV6 School Leadership	<ol> <li>IT Plan / Policy</li> <li>ITEd plan – learning</li> <li>Statements of visions and goals in ITEd plans</li> <li>School heads' views on the contribution from different stakeholders to the formulation of ITEd plan</li> <li>School heads' views on how well the ITEd plans are implemented</li> <li>School heads' views on the obstacles to the implementation of ITEd plan</li> <li>ITEd plan – resources and support</li> <li>ITEd team's views on whether ITEd plan matches with the needs of teachers, parents,</li> </ol>	and Strategy	<ol> <li>National / sub-national policy for ICT in education (formal and non-formal)</li> <li>Master Plan with a time frame</li> <li>Budget plan and appropriations</li> <li>Proportion of budget on ICT for education vis-àvis national budget for education in US Dollars as well as ICT items / activities on which the money is spent on</li> </ol>	School (3)  (1) (2) IT Deployment for Learning / Teaching (1&2)  (3) Resources (4)  (4) School Expectations on ITEd (2)	<ul> <li>School heads' views on the contribution from different stakeholders to the formulation of ITEd plan<sup>#</sup></li> <li>School heads' views on how well the ITEd plans are implemented</li> <li>School heads' views on the obstacles to the implementation of ITEd plan</li> <li>ITEd team's views on whether ITEd plan matches with the needs of teachers, parents, students and society (Modified to School heads' views on whether ITEd plan matches with the needs of parents, students and society*)</li> <li>Whether school has a clear school-based ITEd plan to portray the infrastructure requirements</li> </ul>

Phase (I) Study <sup>i</sup> Review Areas	Selected Phase (I) Study Indicators	UNESCO Study Review Areas	Selected UNESCO Study Indicators	Review Survey(s) Review Areas (Related Action No. of the Third Strategy <sup>ii</sup> )	Possible / Modified* Indicators for Review Survey(s) [# denotes indicators which are excluded from Review Survey(s)]
	students and society  (2) Whether school has a clear school-based ITEd plan to portray the infrastructure requirements  Teachers' Perception of IT Plan / Policy  I. Feeling of support  (1) Whether school has a clear school-based IT plan to portray the ITEd professional development for teachers		(5) Organisational structure responsible for implementing the master plan (6) Scope and level of ICT programme (7) Monitoring and evaluation scheme or mechanism (8) Statement of inclusion of women, minorities, and those with special needs in ICT policy (9) Manner by which the country and schools implement ICT for education if no ICT policy exists (10) Existence of technology master plan in schools		From UNESCO  (1) National / sub-national policy for ICT in education (formal and non-formal) <sup>#</sup> (2) Master Plan with a time frame  (3) Budget plan and appropriations  (4) Proportion of budget on ICT for education vis-à-vis national budget for education in US Dollars as well as ICT items / activities on which the money is spent on (Modified to Proportion of budget on ITEd*)  (5) Organisational structure responsible for implementing the master plan  (6) Scope and level of ICT programme <sup>#</sup> (7) Monitoring and evaluation scheme or mechanism  (8) Statement of inclusion of women, minorities, and those with special needs in ICT policy <sup>#</sup> (9) Manner by which the country and schools implement ICT for education if no ICT policy exists <sup>#</sup> (10) Existence of technology master plan in schools
Context Dimension EV7 Digital Resources & Infrastructure	School's e-learning Platform / Internet and Other Digital Resources  I. Types, quantity and quality of resources and support  (1) School heads' views on the development and management of school-based digital resources  (2) School heads' views on the importance of the sources of digital resources  (3) Schools' provision of school homepage and / or e-learning platform  HKEdCity	Textbooks II. ICT Infrastructure and Access	(1) Access to and use of the following by  • no. of schools and non-formal learning centres	(2) IT Deployment in School (3) (3) Resources (4 & 5)	<ol> <li>School heads' views on the development and management of school-based digital resources</li> <li>School heads' views on the importance of the sources of digital resources</li> <li>Schools' provision of school homepage and / or e-learning platform</li> <li>Frequency of teachers using HKEdCity (Modified to Whether</li> </ol>

Phase (I) Study <sup>i</sup> Review Areas	Selected Phase (I) Study Indicators	UNESCO Study Review Areas	Indicators	Review Survey(s) Review Areas (Related Action No. of the Third Strategy <sup>ii</sup> )	for R	ole / Modified* Indicators eview Survey(s) notes indicators which are excluded from Review Survey(s)]
	<ol> <li>Types, quantity and quality of resources and support</li> <li>Frequency of teachers using HKEdCity</li> <li>School heads' self-evaluation on whether school has established a mechanism for storing / retrieving digital resources to facilitate teaching, learning and sharing</li> <li>School heads' self-evaluation on the adequacy of up-to-date digital resources in school</li> <li>Types, quantity and quality of resources and support</li> <li>Information about IT facilities and Internet connection provided by the school</li> <li>School allows students to use computer facilities after school</li> <li>Students' views on the opening hours of computer facilities after school</li> <li>School heads' views on the need to upgrade school IT infrastructure</li> <li>School heads' self-evaluation on the provision of up-to-date IT infrastructure</li> </ol>		iv. Telephone v. Intranet vi. Internet vii. TV / VCR / VCD / DVD viii. Radio (2) Number of computers per 100 students / learners (3) Location of computers in schools / NFE centres (4) Existence of software used for teaching and learning and sources of these software  II. Internet Connectivity (1) Number of computers connected to the Internet either as stand alone or networked (2) Kinds of Internet connection and speed / bandwidth by schools and learners (3) Number of hours in a month used by schools		(8) (9) (10) (11) <u>From</u> (1)	digital resources in school Information about IT facilities and Internet connection provided by the school School allows students to use computer facilities after school Students' views on the opening hours of computer facilities after school [Modified to Students' utilisation of computer room(s) after school*] School heads' views on the need to upgrade school IT infrastructure School heads' self-evaluation on the provision of up-to-date IT infrastructure  UNESCO Access to and use of the following by  • no. of schools and non-formal learning centres  • no. of students / learners  • no. of teachers / school staff*  i Electricity* ii Computers iii Handhelds (PDAs) iv Telephone*  v Intranet vi Internet vi Internet vii TV / VCR / VCD / DVD* viii Radio*  Number of computers per 100 students / learners Location of computers in schools / NFE centres* Existence of software used for teaching and learning and sources
			accessing the Internet			of these software

Phase (I) Study <sup>i</sup> Review Areas	Selected Phase (I) Study Indicators	UNESCO Study Review Areas	Selected UNESCO Study Indicators	Review Survey(s) Review Areas (Related Action No. of the Third Strategy <sup>ii</sup> )	Possible / Modified* Indicators for Review Survey(s) [# denotes indicators which are excluded from Review Survey(s)]
Context Dimension  EV7 Digital Resources & Infrastructure (cont'd)			(4) Access, use or possession of e-mail and websites by no. of schools, no. of teachers and other staff (principal), and learners  III. Systems and Hardware (1) Number of PCs running on various platforms (Windows, Linux, etc.) (2) Age of computers		<ul> <li>(5) Number of computers connected to the Internet either as stand alone or networked#</li> <li>(6) Kinds of Internet connection and speed / bandwidth by schools and learners</li> <li>(7) Number of hours in a month used by schools accessing the Internet#</li> <li>(8) Access, use or possession of e-mail and websites by no. of schools, no. of teachers &amp; other staff (principal), and learners</li> <li>(9) Number of PCs running on various platforms (Windows, Linux, etc.)#</li> <li>(10) Age of computers#</li> <li>Target Indicator(s)</li> <li>(1) Student to computer ratio</li> <li>(2) Availability of computers and digital projectors</li> <li>(4) Availability and type(s) of digital devices for learning purposes</li> <li>(5) Availability of Internet connection</li> <li>(6) Availability of computer room(s) for student use beyond school hours</li> <li>(7) Students' utilisation of computer room(s) after school</li> <li>(8) Availability of digital resources [including e-system(s) / mechanism(s)]</li> <li>(9) Availability &amp; type(s) of mechanism(s) / measure(s) deployed</li> <li>(10) Way(s) of using IT</li> <li>(11) Resources support</li> </ul>

Phase (I) Study <sup>i</sup>	Selected Phase (I) Study	UNESCO Study	Selected UNESCO Study	Review Survey(s) Review Areas (Related Action No. of the Third Strategy <sup>ii</sup> )  Possible / Modified* Indicators for Review Survey(s)  [# denotes indicators which are excluded from Review Survey(s)]
Review Areas	Indicators	Review Areas	Indicators	
Context Dimension  EV8 School Technology-using Culture and ITEc Development	School IT Culture  I. School ITEd innovation  (1) Projects / programmes schools took part to explore innovative technology and equipment in learning and teaching  II. School ITEd innovation, sharing and collaboration among schools  (1) Whether and how school shares experience in using IT in an innovative way  (2) School's participation in ITEd exhibition / contest / sharing outside school  (3) School's participation in ITEd project / collaboration with higher learning institutions  School ITEd Development  I. School ITEd innovation, sharing and collaboration among teachers  (1) Whether school has attempted innovative use of IT to enhance teaching and learning  II. The use of IT embedded into the daily practices of schools  (1) School heads' self-evaluation on IT integration in daily practices in school			(1) IT Deployment in School (2 & 5)  (2) IT Deployment in School for Learning / Teaching (1 & 2)  (3) School's participation in ITEd exhibition / contest / sharing outside school  (4) School's participation in ITEd project / collaboration with higher learning institutions  (5) Whether school has attempted innovative use of IT to enhance teaching and learning  (6) School heads' self-evaluation on IT integration in daily practices in school  (7) Target Indicator(s)  (8) Target Indicator(s)  (9) Collaborative project(s) / activity(ies) organised by school  (10) Way(s) of using IT

	Selected Phase (I) Study Indicators	UNESCO Study Review Areas	Selected UNESCO Study Indicators	Review Areas	Possible / Modified* Indicators for Review Survey(s) [# denotes indicators which are excluded from Review Survey(s)]
Process Dimension  EV9 Students' Learning Activities with IT	Information processing skills with IT  (1) Teachers' / therapists' views on how often they provide students with tasks which require them to build knowledge in using IT  (2) Students' self-evaluation on the mastery of information processing with IT  (3) School heads' self-evaluation on whether students have applied information processing skills to solve problems in school tasks and real-life situations  (4) Teachers' views on the design of learning activities that facilitate students in information processing with IT  II. Learning subject matter / knowledge with IT  (1) Teachers' / therapists' views on how often they arrange self-study task(s) by allocating digital resources  (2) School heads' self-evaluation on whether teachers provide self-study task(s) to students by allocating digital resources	and Learning II. ICT Infrastructure and Access	<ol> <li>Number of learners with ICT access outside school</li> <li>Actual use of computers and related ICTs in subjects schoolwork</li> <li>Levels of skills in use of various ICT applications</li> <li>Source of learning of computer and ICT-related skills</li> <li>Use of ICT in schoolwork by number of learners and degree of use</li> <li>Access and use of computers after school hours within and outside schools</li> </ol>	Learning / Teaching (1 & 2)  (2) Students' Awareness / Competency in Use of IT (8)  (3) Parental Support (6)	<ol> <li>Teachers' / therapists' views on how often they provide students with tasks which require them to build knowledge in using IT (Modified toTeachers' / therapists' views on how often they provide students with tasks which require them to use IT*)</li> <li>Students' self-evaluation on the mastery of information processing with IT (Modified to School heads' self-evaluation on students' mastery of information processing with IT*)</li> </ol>

Phase (I) Study <sup>i</sup> Review Areas	Selected Phase (I) Study Indicators	UNESCO Study Review Areas	Selected UNESCO Study Indicators	Review Survey(s) Review Areas (Related Action No. of the Third Strategy <sup>ii</sup> )	Possible / Modified* Indicators for Review Survey(s) [# denotes indicators which are excluded from Review Survey(s)]
Process Dimension EV10 Teachers' Pedagogical Practices with IT	Teaching with IT  I. Management of learning with IT  (1) Frequency of teachers / therapists using IT in classroom / training / therapy  (2) Ways of teachers' / therapists' using IT in the classroom / training / therapy  (3) The subject(s) which teachers use computers for teaching most frequently  Assessing with IT  I. Assessment of learning with IT  (1) Frequency that students submit assignments via various electronic means  Creating IT-enriched learning environment  I. Student-centred learning environment with IT  (1) Teachers' confidence in supporting students in learning subject matters when using IT	Professionals Use and Teaching II. ICT Infrastructure and Access	(1) Purpose and frequency of use of computers by	(1) IT Deployment for Learning / Teaching (1 & 2)	
Outcome Dimension  EV11 Students' Learning Outcomes in different Key Learning Areas and the Development of Generic Skills				(1) Students' Awareness / Competency in Use of IT (6)	

**Appendix 2: Development of Indicators of Review Survey(s)** 

Review Survey	<b>y</b> ( <b>s</b> )		Phase (I) Study <sup>1</sup> Selected /	UNESCO	Related Action of
Review Areas	Identified Indicators		Modified* Indicators	Selected / Modified* Indicators	the Third Strategy
1. IT Facilities & Accessibility	1.1 Student to computer ratio  1.2 Availability of computers in school library for student use  1.3 Availability of computers and digital projectors  1.4 Availability and type(s) of digital devices for	1.1.1 No. of computers in school a. total b. by no. of students  1.1.2 No. of computers in school for student use (excluding computers in staff rooms and general office) a. Total b. by no. of students  1.2.1 No. of computers in library for student use  1.3.1 In all classrooms (excluding special rooms and laboratories)  1.3.2 In all special rooms <sup>2</sup> (including laboratories)  1.4.1 No. of digital projectors (mobile & non-mobile use)  1.4.2 No. of electronic whiteboards	Information about IT facilities and Internet connection provided by the school School allows students to use computer facilities after school	Access to and use of the following by a) no. of schools and non-formal learning centres (NFE); b) no. of students / learners, c) no. of teachers / school staff*  (1) Computers (2) Handhelds (PDAs) (3) Intranet (4) Internet  Number of computers per 100 students / learners	3.To assist schools to draw up and implement school-based IT in education development plan
	1.5 Availability of Internet connection	<ul><li>1.4.3 No. of other digital devices</li><li>1.5.1 Wi-Fi connection</li><li>1.5.2 Bandwidth of Internet connectivity</li></ul>		Kinds of Internet connection and speed / bandwidth by schools and learners	4.To enable schools to maintain effective IT facilities
	1.6 Availability of computer room(s) for student use beyond school hours	1.6.1 No. of opening hours of computer room(s) per week for student use beyond school hours      1.6.2 No. of computers in computer room(s) <sup>3</sup> for student use after school			
	1.7 Students' utilisation of computer room(s) after school	1.7.1 Average no. of students using computers in computer room(s) beyond school hours per day  1.7.2 Average no. of hours that each student uses computer in computer room(s)	Students' utilisation of computer room(s) after school*  School allows students to use computer facilities after school	Access and use of computers after school hours within and outside schools	

Phase (I) Study refers to "Phase (I) Study on Evaluating the Effectiveness of the 'Empowering Learning and Teaching with Information Technology' Strategy (2004/2007)" Special rooms refer to those rooms mainly used for educational purposes. Each "Remedial Teaching Room" should be counted as one special room e.g. MMLC (Multi-media Learning Centre), ITLC (IT Learning Centre), CL(Computer Laboratory)

Review Survey	Identified Indicators		Phase (I) Study <sup>1</sup> Selected /	UNESCO	Related Action of the Third Strategy	
Review Areas			Modified* Indicators	Selected / Modified* Indicators		
2. Resources	2.1 Human resources	2.1.1 No. of staff members responsible for coordinating ITEd development     2.1.2 No. of IT technical support services (TSS) staff members     2.1.3 No. of ITEd team members	Teachers' / therapists' perceived roles in ITEd development*	Organisational structure responsible for implementing the master plan		
	2.2 Financial resources	2.2.1 Average <sup>5</sup> annual ITEd expenditure <sup>6</sup> a. total b. as percentage of school annual expenditure <sup>7</sup>	Whether school has a clear school-based ITEd plan to portray the infrastructure requirements	Budget plan and appropriations  Existence of technology master plan in schools  Proportion of budget on ITEd*	3.To assist schools to draw up and implement school-based IT in education development plan	
	2.3 Availability of digital resources [Including e-system(s) / mechanism(s)]	2.3.1 Personalised spaces  a. School homepage  b. Teacher homepage  c. Student homepage  2.3.2 Interactive platforms  a. Intranet  b. e-learning platform <sup>8</sup> / Learning management system (LMS)  c. Campus TV  d. Others	School heads' views on the importance of the sources of digital resources  Schools' provision of school homepage and / or e-learning platform  School heads' views on the development and management of school-based digital resources	Access, use or possession of e-mail and websites by no. of schools, no. of teachers & other staff (principal), and learners	4.To enable schools to maintain effective IT facilities	
3. IT Deployment in School	3.1 School-based ITEd Development Plan	3.1.1 Basic information a. type b. average duration c. availability of evaluation mechanism(s)	Statements of visions and goals in ITEd plans School heads' views on whether ITEd plan matches with the needs of parents, students and society*	Master Plan with a time frame Existence of technology master plan in schools  Monitoring and evaluation scheme or mechanism	3.To assist schools to draw up and implement school-based IT in education development plan	
	2000pment 1 mil	3.1.2 Consideration(s) / criterion(ia) for developing School-based ITEd development plan				

Non-teaching staff employed for providing IT technical support With reference to the last 2 years' school records

Including expenses on i) Employment of TSS personnel; ii) Internet connectivity & security services; iii) Digital resources for learning & teaching; iv) Replacement / upgrading of school's IT; v) Arrangement of maintenance services for school's IT facilities procured by government funds; vi) Extension of opening hours for school's IT facilities; vii) Purchase of IT-related consumables; and viii) Other ITEd-related items

Excluding teaching staff salaries

E-Learning platform is a learning system developed on the environment of the Internet / Intranet which provides various learning tools such as learning materials / download, assignment submission, on-line tests and learning records, etc.

Review Survey	y(s)		<b>D</b>	UNESCO	D 1 4 1 4 4
Review Areas	Identified Indicators		Phase (I) Study <sup>1</sup> Selected / Modified* Indicators	Selected / Modified* Indicators	Related Action of the Third Strategy
3. IT  Deployment			School heads' self-evaluation on IT integration in daily practices in school  School heads' views on the ways to		3.To assist schools to draw up and implement school-based IT in education development
in School (cont'd)		3.2.1 e-system(s) / mechanism(s) deployed to facilitate a. work flow b. communication c. other aspects	communicate with parents  School heads' views on the development and management of school-based digital resources  School heads' self-evaluation on whether school has established a mechanism for storing / retrieving digital resources to facilitate teaching, learning and sharing		4.To enable schools to maintain effective IT facilities  5.To strengthen technical support to schools and teachers
	3.2 Availability & type(s) of mechanism(s) / measure(s) deployed	3.2.2 Measure(s) / scheme(s) deployed to a. enhance students' learning effectiveness b. promote students' information literacy c. bridge digital divide d. encourage parents' participation in ITEd	School heads' views on the way(s) that PTA can help in ensuring students' understanding of ethical, legal and health issues involved in using IT  School takes measures to cater for poor students' needs of IT resources / support  School allows students to use computer facilities after school  School heads' self-evaluation on whether schools have appropriate measure(s) to address digital divide issue  School heads' self-evaluation on whether schools have appropriate measure(s) to engage parents' involvement in the promotion of learning and teaching with IT  School heads' views on the kind of home-school collaboration activities / measures and promotion of ITEd activities / programmes which school has organised / participated  School heads' views on the ways to communicate with parents		2.To continue to sharpen teachers' IT pedagogical skills 3.To assist schools to draw up and implement school-based IT in education development plan 5.To strengthen technical support to schools and teachers 7.To continue the computer recycling scheme 8.To enhance students' information literacy

Review Survey	<u>(s)</u>		Dhogo (I) Study <sup>1</sup> Solosted /	UNESCO	Related Action of	
Review Areas	Identified Indicators		Modified* Indicators   Selected / Selected / Modified   Indicators		the Third Strategy	
3. IT  Deployment  in School  (cont'd)	3.3 Information about school's ITEd curriculum <sup>9</sup>	3.3.1 Mode of offer     a. as a discrete subject     b. integrated across different disciplines     c. integrated into extra-curricular activities     d. other modes	Information on school ITEd curriculum  School heads' self-evaluation on provision of opportunities for students to learn the knowledge and skills of IT*  School heads' views on the school curriculum design with integrated use of IT  Ways that students learn knowledge and skills of IT*  Incorporation of Information Literacy in school curriculum*	Information Communication Technology (ICT) is introduced as a separate subject*  Manner in which ICT is introduced or being taught in the school and the hours spent on its teaching  Subjects into which ICT is introduced  Extent of ICT integration in the curriculum	3.To assist schools to draw up and implement school-based IT in education development plan	
	3.4 Teachers' professional development on ITEd	3.4.1 Type(s) of measure(s) / scheme(s) deployed  3.4.2 Theme(s) of programme(s) / activity(ies)	Training received by school teachers to equip themselves with knowledge and skills  Teachers' / therapists' experience in the participation of ITEd professional development  School heads' views on the types and modes of ITEd professional development they would like to have		2.To continue to sharpen teachers' IT pedagogical skills  5.To strengthen technical support to schools and teachers	
	3.5 Collaborative project(s) / activity(ies) organised	3.5.1 Type(s)	Projects / programmes schools took part to explore innovative technology and equipment in learning and teaching  School's participation in ITEd exhibition /		2.To continue to sharpen teachers' IT pedagogical skills 3.To assist schools to draw	
	by school	3.5.2 Organisation(s) involved	contest / sharing outside school School's participation in ITEd project / collaboration with higher learning institutions		up and implement school-based IT in education development plan	

<sup>-</sup>

<sup>&</sup>lt;sup>9</sup> "ITEd curriculum" refers to the application of IT in learning and teaching of each Key Learning Area (KLA) (including Computer Studies / IT curriculum)

a) to develop IT skills; and

b) to foster the development of information literacy (information processing skills and attitude) and generic skills (collaboration skills, communication skills, creativity, critical thinking skills, problem solving skills, self-management skills, study skills, IT skills and numeracy skills).

Review Survey	$r(\mathbf{s})$		Dhase (I) Standard Colored /	UNESCO	Deleted Action of
Review Areas	Identified Indicators		Phase (I) Study <sup>1</sup> Selected / Modified* Indicators	Selected / Modified* Indicators	Related Action of the Third Strategy
4. IT  Deployment for Learning / Teaching	4.1 Teachers' confidence in using IT	4.1.1 Percentage of confident / very confident teachers (per subject / KLA)	Teachers' / therapists' self-evaluated level of confidence in using IT resources in teaching*  Teachers' confidence in using IT for teaching*		2.To continue to sharpen teachers' IT pedagogical skills
		4.2.1 Use of emerging technology	School heads' self-evaluation on whether teachers provide self-study task(s) to students by allocating digital resources		
		4.2.2 Use of free-of-charge resources	Teachers' / therapists' views on how often they provide students with tasks which require them to use IT*		
	4.2 Way(s) of using IT		Whether school has attempted innovative use of IT to enhance teaching and learning	Existence of software used for teaching and learning and sources of these software  Use of Internet for teaching and how often	I.To provide a depository of curriculum-related teaching modules with appropriate digital resources
		4.2.3 Use of fee-charging resources a. on-line b. off-line	Teachers' / therapists' views on the design of learning activities that facilitate students in information processing with IT		
			Whether students are requested to submit assignments via electronic means*		
			Ways of teachers' / therapists' using IT in the classroom / training / therapy		
		4.2.4 Assigning students to use IT to perform tasks beyond school hours	Teachers' ways of using IT*		
		tasks beyond sendor nours	Whether teachers use free-of-charge or fee-charging resources*		
			Extent of teachers' computer use in class*		
			Whether teachers / therapists use IT in classroom / training / therapy*	Extent of ICT integration in the curriculum	
	4.3 Extent of IT use	ant of IT use 4.3.1 Frequency in terms of descriptors	Extent of teachers' use of IT in various subjects / KLAs*	Purpose and frequency of use of computers by number of	
			The subject(s) which teachers use computers for teaching most frequently	teachers	

Review Survey	y(s)		<b>D</b>	UNESCO	D 1 4 1 A 4' C	
Review Areas	Identified Indicators		Phase (I) Study <sup>1</sup> Selected / Modified* Indicators	Selected / Modified* Indicators	Related Action of the Third Strategy	
5. Students' Awareness /	5.1 School heads' / representatives'	5.1.1 In information literacy	School heads' self-evaluation on whether students have applied information processing skills to solve problems in school tasks*	Levels of skills in use of IT*		
Competency	perception of students' level of competency	5.1.2 In technical skills	School heads' self-evaluation on students' mastery of information processing with IT*	Leveis of skills in use of 11*	8.To enhance students'	
in Use of IT	5.2 Proper use of IT	5.2.1 Guideline(s)	School heads' self-evaluation on whether students have applied information processing skills to solve problems in school tasks*  Provision of guidelines on social and ethical issues of using IT for teachers and students*		information literacy	
6. Parental Support	6.1 Provision of computers & Internet access at home <sup>10</sup>	6.1.1 Computer access	School heads' views on the adequacy of IT facilities at home*  Families with Personal Computer(s) at Home*	Number of learners with ICT access outside school	7.To continue the computer recycling scheme	
		6.1.2 Internet access	Families with Internet Access at Home*		1	
	6.2 Parents' participation	6.2.1 Type(s) of activity(ies)	School heads' views on the kind of home-school collaboration activities / measures and promotion of ITEd activities / programmes which school has organised / participated  School heads' self-evaluation on whether schools have appropriate measures to engage parents' involvement in the promotion of learning and teaching with IT		6. To raise parents' information literacy and assist them in guiding children to use IT at home	
7. School Expectations on ITEd	7.1 Satisfaction with school current ITEd development	7.1.1 Level of satisfaction	School heads' views on how well the ITEd plans are implemented		3.To assist schools to draw up and implement school-based IT in education development plan	
	7.2 Professional support <sup>11</sup>	7.2.1 Theme(s) of ITEd professional development for teachers	School heads' views on the types and modes of ITEd professional development they would like to have		4.To enable schools to maintain effective IT facilities	

The figures refer to students (P1 to S6 / S7) studying full-time in public sector schools (i.e. primary, secondary & special), including Direct Subsidy Schools e.g. sharpening teachers' IT pedagogical skills, facilitating school's implementation of ITEd, etc.

Review Survey	y(s)		Phase (I) Study <sup>1</sup> Selected /	UNESCO	Related Action of
Review Areas	<b>Identified Indicators</b>		Modified* Indicators	Selected / Modified* Indicators	the Third Strategy
		7.2.2 Type(s) of ITEd professional development for teachers			5.To strengthen technical support to schools and teachers
7. School Expectations	7.3 Technical support	7.3.1 Type(s) of technical support needed	School heads' views on the obstacles to the implementation of ITEd plan		
on ITEd		7.4.1 Type(s) of resources needed	School heads' views on the need to upgrade school IT infrastructure		
(cont'd)			School heads' self-evaluation on the provision of up-to-date IT infrastructure		
	7.4 Resources support		School heads' self-evaluation on the adequacy of up-to-date digital resources in school		
			School heads' views on the importance of the sources of digital resources		

# **Appendix 3: Questionnaire for Primary School Sector (RS1PE)**

1.	Please give the total of each of the following:			
	a. No. of approved classes: b. Total no. of students:			
	c. Total no. of classrooms (excluding special rooms <sup>vi</sup> and laboratories):			
	d. Total no. of special rooms (including laboratories):			
•		1 • /		
2.	Please give the <u>total</u> of each of the following items (Put "0" for the total if there is no			
	Items  a. No. of computers [desktop & notebook (including netbook)]	Total Desktop:	Noteboo	J.
	b. No. of computers [desktop & notebook (including netbook)]  b. No. of computers [desktop & notebook (including netbook)] for student use <sup>vii</sup>	Desktop:	Noteboo	
	c. No. of computers & digital projectors in All classrooms (excluding special rooms	Computer:	Projecto	
	and laboratories)	•		
	d. No. of computers & digital projectors in <u>All</u> special rooms and laboratories [excluding library(ies)]	Computer:	Projecto	or:
	e. No. of computers in school library for <b>student use</b>			
	f. No. of computer room(s) <sup>viii</sup> opened and computers available for <u>student use</u> <u>beyond school hours</u>	Computer Room:	Comput	er:
	g. No. of opening hours ix (to the <u>nearest 0.5</u> ) that computer room(s) is(are) opened for student use beyond school hours per week			
	h. Average no. of students using computers in computer room(s) beyond school hours per day			
	i. Average no. of hours (to the nearest 0.5) that each student uses computer in			
	computer room(s) <b>beyond school hours per day</b> i. No. of electronic whiteboards			
	<ul> <li>k. No. of digital projectors for <u>mobile use</u></li> <li>l. No. of other digital devices [e.g. Personal Digital Assistant (PDA), eBook reader]</li> </ul>			
	used as mobile learning devices (Please specify:)			
	m. No. of teacher(s) responsible for coordinating ITEd development <sup>x</sup>			
	n. No. of IT technical support services (TSS) staff member(s) (non-teaching staff			
	employed for providing IT technical support)			
	o. No. of ITEd team members [excluding TSS staff member(s)]			
	p. Annual ITEd expenditure <sup>x1</sup> (to the <u>nearest 1000</u> ) on average (with reference to the last 2 years' school records)			
	q. Percentage (to the <b>nearest integer</b> ) of school annual expenditure (excluding			
	teaching staff salaries) on average <sup>xii</sup> (with reference to the last 2 years' school			
	records)			
3.	Please indicate the availability of the following in your school:			
	Items		Yes	No
	a. School homepage			
	b. School Intranet			
	c. e-Learning platform <sup>xiii</sup> / Learning Management System (LMS)			
	d. Teachers' homepage(s)			
	e. Students' homepage(s)			
	f. Campus TV			
	g. Other Internet service(s) [Please specify (e.g. blog):			
	h. Wi-Fi connectivity within school campus			
1	Please indicate the bandwidth of Internet connectivity in your school:			
4.	·	Mb (Please specia	fy:	)
5.	Please indicate if there is any ITEd Development Plan in your school:			
-•	☐ Yes ☐ No (Go to Q7)			
	a. It is formulated as			
	<ul> <li>□ an integral part of school development plan (<i>Go to Q5c</i>)</li> <li>□ a separate plan</li> <li>Duration of the <u>separate</u> ITEd development plan on average</li> </ul>			
	$\Box$ 1 year $\Box$ 2 years $\Box$ 3 years $\Box$ > 3 years (Please specify:	_)		
	T Vos T No			

6. Please indicate the importance of each of the following goals in formulating your school ITEd development plan:

im		Very	Important	Fairly	Not	Totally not
		important	important	important	important	important
a. To improve stude	ents' learning outcomes					
	nts' understanding of subject content					
c. To provide suitab of individual stud	le learning activities according to needs ents					
sense of responsil						
analytical skills, o	develop students' generic skills (e.g. creativity, & collaboration skills)					
f. To meet the expe	ctations of parents					
g. To meet the expe	ctations of the community					
h. To improve co school, parents &	mmunication & cooperation among the community					
	nce / briefing sessions so as to prepare er studies / future careers					
	ross-subject / curricular collaboration uncing students' learning					
k. To foster students	s' information literacy (IL) <sup>xv</sup>					
1. To promote learn	ing through assessment					
m. Others (Please sp	ecify:)					

7. Please indicate the area(s) that your school has deployed IT [e.g. e-System(s) / Mechanism(s)] to facilitate work flow and specify related e-system(s) / mechanism(s) used (if any):

A	rea(s)	Yes	e-System(s) / Mechanism(s) used	No
a.	To capture students' attendance (excluding WebSAMS, e.g. SmartCard)			
b.	To handle cash transactions			
c.	To facilitate communication (e.g. e-mail system, SMS) amongst relevant			
	stakeholders (e.g. teachers, students, parents, alumni)			
d.	To manage ITEd-related resources (e.g. inventory updates, storage / sharing			
	of learning / teaching resources, maintenance of records)			
e.	To manage booking of ITEd-related resources (e.g. rooms & IT facilities)			
f.	To manage students' learning records including other learning experiences			
	(excluding WebSAMS, e.g. e-portfolio, LMS)			
g.	Others (Please specify:)			

8. Please indicate the type(s) of measure(s) / scheme(s) that your school has deployed to enhance students' learning effectiveness:

M	easure(s) / Scheme(s)	Yes	No
a.	Provision of free-of-charge <sup>xvi</sup> learning resources		
	[Please specify the source(s):		
b.	Provision of off-line or on-line fee-charging resources		
	[Please specify related subject(s):		
c.	Provision of on-line exercise(s) / test database or item bank(s)		
	(If Yes, please indicate whether qualitative feedback from teachers is available:		
d.	Provision of communication platform / tool(s) (e.g. e-mail, discussion forum, blog, chat room) to		
	enhance interaction among students and teachers (Please specify the means:)		
e.	Teachers are requested to include IT elements in subject- / KLA-based plan(s) as appropriate		
f.	Teachers are requested to include IT elements in learning activity(ies) (e.g. project- / enquiry-based)		
g.	Students are requested to submit assignment(s) via on-line means (e.g. e-mail, e-Learning platform,		
	LMS) (Please specify the means:		
h.	Others (Please specify:		

9. Please indicate the type(s) of measure(s) / scheme(s) that your school has deployed to promote students' information literacy (IL):

ľ	Measure(s) / Scheme(s)	Yes	No
a.	Seminar(s) / course(s) for students to enhance their IL		
b.	Seminar(s) / course(s) for parents to help their child(ren) develop their IL		
c.	Provision of guidelines on use of IT <sup>xv11</sup> for teachers		
d.	Provision of guidelines on use of IT for students		
e.	IL is instilled in students through teaching activities of different subjects		
f.	IL is being taught as an independent subject		
g.	IL is integrated into the Computer / IT curriculum		
h.	Others (Please specify:)		

10. Please indicate the type(s) of measure(s) / scheme(s) your school has deployed to help needy students use IT in their learning after school:

M	feasure(s) / Scheme(s)	Yes	No
a.	Computers / facilities [excluding those in computer room(s)] available at school for student use		
	beyond school hours		
b.	Portable computers on loan to needy students for use at home		
c.	Needy students encouraged to apply to join EDB Computer Recycling Programme		
d.	Needy students encouraged to apply for computers from other organisations [e.g. non-governmental		
	organisations (NGOs), IT industries]		
e.	Financial support given to disadvantaged students for Internet access at home		
f.	Call for donation of / recycled computers from students / parents		
g.	Others (Please specify:)		

11. Please indicate the type(s) of measure(s) / scheme(s) that your school deployed to promote staff professional development on ITEd last school year:

ue	development on 11 Eu last school year.							
N	Measure(s) / Scheme(s)							
a.	Sharing session(s) organised for teachers within school							
b.	Sharing session(s) organised for teachers with other schools							
c.	Seminar(s) / course(s) / workshop(s) conducted by tertiary institutions / NGO(s) / IT industries for							
	teachers							
d.	Staff development programme(s) conducted on-site by EDB							
e.	School visit(s)							
f.	Incentive scheme(s) (Please specify:)	·						
g.	Others (Please specify:)							

12. Please indicate the collaborative project(s) / activity(ies) that your school has launched with other organisation(s) on the use of IT for learning / teaching:

	abo of 11 1of four mag, towarmag,					
P	roject(s) / Activity(ies)	Yes	No			
a.	Training course(s) / seminar(s) / workshop(s) / sharing session(s)					
b.	School visit(s)					
c.	Joint publications					
d.	Development and / or trial use of e-learning resource(s)					
e.	Development of IT tool(s) / system(s) to facilitate learning / teaching					
f.	Development of IT tool(s) / system(s) to facilitate administration / management work					
g.	Development of emerging technological device(s) for learning / teaching					
h.	Others (Please specify:)					

13. Please indicate how Computer / IT skills (i.e. technical skills, not Information Literacy) are taught in your school for the <u>current school year</u>:

T	eaching Mode(s)	Yes	No
a.	Computer / IT is offered as a discrete subject		
b.	Computer / IT skills are integrated into the school curriculum (i.e. across different disciplines)		
c.	Computer / IT skills are integrated into extra-curricular activities		
d.	Others (Please specify:)		

Please refer to "Response Forms for Q14 & Q15 in Questionnaire" (i.e. Appendix 2 to Project Team's invitation letter) collated from panel heads and/or subject / KLA teacher representatives, and complete Q14 and Q15 accordingly.

14. In general, the extent of teachers' use of IT for learning / teaching in my school is as follows: (The percentages given below are for the sake of achieving better understanding of the descriptors such as 'Always' and 'A lot'. No computation is needed for this question.)

Subject / KLA	Always (76-100%)	Sometimes (26-50%)		IT is not applicable in this subject
a. Chinese Language Education (including Putonghua)				
b. English Language Education				
c. Mathematics Education				
d. General Studies [excluding Computer-related subject(s)]				
e. Computer-related Subject(s)				
f. Arts Education (including Visual Arts and Music)				
g. Physical Education				
h. Others [e.g. Library period, Religious Studies (Please specify:				

15. Please complete the following regarding teachers' use of IT for learning / teaching based on the information collated:

Subject / KLA			achers who R					
	Teachers	be	have used en	nerging	have used	have use	d have used off-lin	e have assigned
	Represented						or on-lin	e students to use IT
			Web 2.0 tech				fee-charging	to perform
								r learning tasks
		_						<u>beyond</u> school
		_	learning / tea	ching	month	_	e in the past month	hours in the past
		/ teaching				past month		month
a. Chinese Language Education								
(including Putonghua)								
b. English Language Education								
c. Mathematics Education								
d. General Studies [excluding								
Computer-related subject(s)]								
e. Computer-related Subject(s)								
f. Arts Education (including								
Visual Arts and Music)								
g. Physical Education								
h. Others [Please specify (e.g.								
Library Period, Religious								
Studies, etc):]								

16. Please indicate your perception of students' level of competency in the following: (The percentages given below are for the sake of achieving better understanding of the descriptors such as 'Very competent' and 'Competent'. No computation is needed for this question.)

nece	ieu jor inis question.)		ı		 I	
Competency		Very competent (76-100%)	Competent (51-75%)	Fairly competent (26-50%)	Totally not competent (0%)	
a.	Information search					
b.	Information selection					
c.	Information collation & analysis					
d.	Reporting & presentation					
e.	Proper use of IT (e.g. Internet security,					
	Intellectual Property awareness, Personal Data					
	Privacy awareness)					
f.	Computer operation skills					
g.	Chinese characters input					
h.	Use of digital resources					
i.	Use of emerging technical device(s) [e.g.					
	mobile phone, PDA]					
j.	Others (Please specify:)					

17. In <u>the last school year</u>, did your school / Parent-Teacher Association in your school organise the following activities or carry out the following measures to encourage parents' participation in related work of ITEd in school:

Activity(ies) / Measure(s)	Yes	No
a. Encouraged parents to visit the school website / Intranet so as to understand the situatio	n	
(e.g. development of ITEd) in school		
b. Provided ITEd-related activities for parents		
c. Explained the work of ITEd in school to parents		
d. Encouraged parents to instill the proper principles, values and attitude in the use of IT int	0	
their child(ren)		
e. Others (Please specify:	)	

18.	Pleas	se indicate the percentage (to	o the <u>nearest integer</u> ) of students who <u>HAVE</u> :
	a.	Computer access at home	
	b.	Internet access at home	

19.	choose the three most needed items)	tes are most needed to provide	an environment conductive to 11Ed: (Please
	Multi-media computer rooms	Enhanced broadband Inter connection	net — e-Learning resources
	Computers and projectors in classrooms	Wireless network	□ IT Management Tools
	Interactive electronic whiteboards	School campus TV	<ul> <li>Enhanced on-site technical support services</li> </ul>
	Mobile learning devices [e.g. □ Personal Digital Assistant (PDA), Pocket Personal Computer (PC),	e-mail system	e-Learning platform / Learning     Management System (LMS)
	Netbook, etc]	Others (Please specify:	)
	may choose more than one option below)  □ Training courses □ Special lectures □ Training camps □ Others (Please specify:	□ Seminars □ Workshops □ School visits	
21.	Please indicate your overall level of satisf	action with ITEd or ITEd develo	pment in your school.
	□ Very satisfied □ Satisfied	□ Fairly satisfied □	Not satisfied
22.	Please express your <u>expectations</u> (e.g. professional support, etc) on ITEd or ITE		ipport, parental support, resource support, w.

# **Appendix 4: Questionnaire for Secondary School Sector (RS1SE)**

1.	Please give the <u>total</u> of each of the following:								
	a. No. of approved classes: b. Total no. of students:								
	c. Total no. of classrooms (excluding special rooms and laboratories):								
	Total no. of special rooms (including laboratories):								
	· · · · · · · · · · · · · · · · · · ·								
2.	· · · · · · · · · · · · · · · · · · ·								
	Items Total  Desired:								
	<ul><li>a. No. of computers [desktop &amp; notebook (including netbook)]</li><li>b. No. of computers [desktop &amp; notebook (including netbook)] for <b>student use</b></li></ul>	Desktop:	Noteboo						
	c. No. of computers a digital projectors in <b>All</b> classrooms (excluding special rooms	Desktop:	Projecto						
	and laboratories)	Computer:	Projecto	Γ.					
	d. No. of computers & digital projectors in All special rooms and laboratories	Computer:	Projecto	r:					
	[excluding library(ies)] e. No. of computers in school library for <b>student use</b>								
	f. No. of computer room(s) opened and computers available for <b>student use beyond</b>	Computer	Comput	or·					
	school hours	Room:	Comput	C1.					
	g. No. of opening hours (to the <b>nearest 0.5</b> ) that computer room(s) is(are) opened for								
	student use beyond school hours per week								
	h. Average no. of students using computers in computer room(s) beyond school								
	hours per day								
	i. Average no. of hours (to the <u>nearest 0.5</u> ) that each student uses computer in computer room(s) <u>beyond school hours per day</u>								
	j. No. of electronic whiteboards								
	k. No. of digital projectors for <b>mobile use</b>								
	No. of other digital devices [e.g. Personal Digital Assistant (PDA), eBook reader] used as mobile learning devices (Please specify:								
	m. No. of teacher(s) responsible for coordinating ITEd development								
	n. No. of IT technical support services (TSS) staff member(s) (non-teaching staff employed for providing IT technical support)								
	o. No. of ITEd team members [excluding TSS staff member(s)]								
	p. Annual ITEd expenditure (to the <u>nearest 1000</u> ) on average (with reference to the last 2 years' school records)								
	q. Percentage (to the <u>nearest integer</u> ) of school annual expenditure (excluding teaching staff salaries) on average (with reference to the last 2 years' school records)								
3.	Please indicate the availability of the following in your school:								
	Items		Yes	No					
	a. School homepage								
	b. School Intranet								
	c. e-Learning platform / Learning Management System (LMS)								
	d. Teachers' homepage(s)								
	e. Students' homepage(s) f. Campus TV								
	g. Other Internet service(s) [Please specify (e.g. blog):	1							
	h. Wi-Fi connectivity within school campus								
	The state of the s		Į.						
4.	Please indicate the bandwidth of Internet connectivity in your school: $25 < 25 \text{ Mb}  25 < 50 \text{ Mb}  50 < 100 \text{ Mb}  100 \text{ Mb}  >100 \text{ Mb}$	Mh (Please snecif		)					
	= 100 Mit = 100 Mit = 100 Mit = 100 Mit	wio (i lease speen	у						
5.	Please indicate if there is any ITEd Development Plan in your school:								
	□ Yes □ No ( <i>Go to Q7</i> )								
	a. It is formulated as								
	$\Box$ an integral part of school development plan ( <u>Go to Q5c</u> ) $\Box$ a separate plan								
	b. Duration of the <b>separate</b> ITEd development plan on average								
	$\Box$ 1 year $\Box$ 2 years $\Box$ 3 years $\Box$ > 3 years (Please specify:	_)							
	c. Evaluation mechanism(s) on the development of ITEd is(are) available  □ Yes □ No								

6. Please indicate the importance of each of the following goals in formulating your school ITEd development plan:

Goals		Important	Fairly	Not	<b>Totally not</b>
		important	important	important	important
a. To improve students' learning outcomes					
b. To enhance students' understanding of subject content					
c. To provide suitable learning activities according to needs					
of individual students					
d. To strengthen students' initiative, independence and					
sense of responsibility in learning					
e. To strengthen / develop students' generic skills (e.g.					
analytical skills, creativity, & collaboration skills)					
f. To meet the expectations of parents					
g. To meet the expectations of the community					
h. To improve communication & cooperation among					
school, parents & the community					
i. To provide guidance / briefing sessions so as to prepare					
students for further studies / future careers					
j. To promote cross-subject / curricular collaboratio	1				
activities for enhancing students' learning					
k. To foster students' information literacy (IL)					
1. To promote learning through assessment					
m. Others (Please specify:)					

7. Please indicate the area(s) that your school has deployed IT [e.g. e-System(s) / Mechanism(s)] to facilitate work flow and specify related e-system(s) / mechanism(s) used (if any):

A	Area(s)	Yes	e-System(s) / Mechanism(s) used	No
a.	To capture students' attendance (excluding WebSAMS, e.g. SmartCard)			
b.	To handle cash transactions			
c.	To facilitate communication (e.g. e-mail system, SMS) amongst relevant			
	stakeholders (e.g. teachers, students, parents, alumni)			
d.	To manage ITEd-related resources (e.g. inventory updates, storage / sharing			
	of learning / teaching resources, maintenance of records)			
e.	To manage booking of ITEd-related resources (e.g. rooms & IT facilities)			
f.	To manage students' learning records including other learning experiences			
	(excluding WebSAMS, e.g. e-portfolio, LMS)			
g.	Others (Please specify:			

8. Please indicate the type(s) of measure(s) / scheme(s) that your school has deployed to enhance students' learning effectiveness:

M	easure(s) / Scheme(s)	Yes	No
a.	Provision of free-of-charge learning resources		
	[Please specify the source(s):		
b.	Provision of off-line or on-line fee-charging resources		
	[Please specify related subject(s):		
c.	Provision of on-line exercise(s) / test database or item bank(s)		
	(If Yes, please indicate whether qualitative feedback from teachers is available:		
d.	Provision of communication platform / tool(s) (e.g. e-mail, discussion forum, blog, chat room) to		
	enhance interaction among students and teachers (Please specify the means:)		
e.	Teachers are requested to include IT elements in subject- / KLA-based plan(s) as appropriate		
f.	Teachers are requested to include IT elements in learning activity(ies) (e.g. project- / enquiry-based)		
g.	Students are requested to submit assignment(s) via on-line means (e.g. e-mail, e-Learning platform,		
	LMS) (Please specify the means:)		
h.	Others (Please specify:)		

9. Please indicate the type(s) of measure(s) / scheme(s) that your school has deployed to promote students' information literacy (IL):

I	Measure(s) / Scheme(s)	Yes	No
a.	Seminar(s) / course(s) for students to enhance their IL		
b.	Seminar(s) / course(s) for parents to help their child(ren) develop their IL		
c.	Provision of guidelines on use of IT for teachers		
d.	Provision of guidelines on use of IT for students		
e.	IL is instilled in students through teaching activities of different subjects		
f.	IL is being taught as an independent subject		
g.	IL is integrated into the Computer / IT curriculum		
h.	Others (Please specify:)		

10.	. Please indicate	the type(s)	of measure(s)	/ scheme(s)	your sc	chool has	deployed	to help	needy	students	use	IT in	their
	learning after se	chool:											

]	Measure(s) / Scheme(s)	Yes	No
a.	Computers / facilities [excluding those in computer room(s)] available at school for student use		
	beyond school hours		
b.	Portable computers on loan to needy students for use at home		
c.	Needy students encouraged to apply to join EDB Computer Recycling Programme		
d.	Needy students encouraged to apply for computers from other organisations [e.g. non-governmental		
	organisations (NGOs), IT industries]		
e.	Financial support given to disadvantaged students for Internet access at home		
f.	Call for donation of / recycled computers from students / parents		
g.	Others (Please specify:)		

11. Please indicate the type(s) of measure(s) / scheme(s) that your school deployed to promote staff professional development on ITEd last school year:

	telopment on 1124 <u>aust benoof year</u> .		
M	Ieasure(s) / Scheme(s)	Yes	No
a.	Sharing session(s) organised for teachers within school		
b.	Sharing session(s) organised for teachers with other schools		
c.	Seminar(s) / course(s) / workshop(s) conducted by tertiary institutions / NGO(s) / IT industries for		
	teachers		
d.	Staff development programme(s) conducted on-site by EDB		
e.	School visit(s)		
f.	Incentive scheme(s) (Please specify:)		
g.	Others (Please specify:)		

12. Please indicate the collaborative project(s) / activity(ies) that your school has launched with other organisation(s) on the use of IT for learning / teaching:

ust	of 11 for learning / teaching.		
P	roject(s) / Activity(ies)	Yes	No
a.	Training course(s) / seminar(s) / workshop(s) / sharing session(s)		
b.	School visit(s)		
c.	Joint publications		
d.	Development and / or trial use of e-learning resource(s)		
e.	Development of IT tool(s) / system(s) to facilitate learning / teaching		
f.	Development of IT tool(s) / system(s) to facilitate administration / management work		
g.	Development of emerging technological device(s) for learning / teaching		
h.	Others (Please specify:)		

13. Please indicate how Computer / IT skills (i.e. technical skills, not Information Literacy) are taught in your school for the current school year:

T	eaching Mode(s)	Yes	No
a.	Computer / IT is offered as a discrete subject 12		
b.	Computer / IT skills are integrated into the school curriculum (i.e. across different disciplines)		
c.	Computer / IT skills are integrated into extra-curricular activities		
d.	Others (Please specify:)		

Please refer to "Response Forms for Q14 & Q15 in Questionnaire" (i.e. Appendix 2 to Project Team's invitation letter) collated from panel heads and/or subject / KLA teacher representatives, and complete Q14 and Q15 accordingly.

14. In general, the extent of teachers' use of IT for learning / teaching in my school is as follows: (The percentages given below are for the sake of achieving better understanding of the descriptors such as 'Always' and 'A lot'. No computation is needed for this question.)

Su	ıbject / KLA	Always (76-100%)	Sometimes (26-50%)		IT is not applicable in this subject
a.	Chinese Language Education (including Putonghua)				
b.	English Language Education				
c.	Mathematics Education				
d.	Science Education				
e.	Technology Education [excluding Computer-related				
	subject(s)]				
f.	Computer-related Subject(s)				
g.	Personal, Social & Humanities Education				
h.	Arts Education (including Visual Arts and Music)				
i.	Physical Education				
j.	Liberal Studies for Senior Secondary Levels				
k.	Others [e.g. Library period, Religious Studies (Please				
	specify:)]				

Excluding Computer & Information Technology / Information & Communication Technology subjects offered for upper forms.

15. Please complete the following regarding teachers' use of IT for learning / teaching based on the information collated:

	bject / KLA		No. of Tea							<b>G</b>			-		- 1
		Teachers	be	have	used	emerg	ging	have	used	have u	ısed	have used	off-line	have	assigned
		Represented	confident	techi	nology	v (	(e.g.	IT		free-of-		or			to use IT
									ng /	charge		fee-chargi	ing	to	perform
			confident	such	as B	log, V	Viki	teach	ing in	resources	for	resources	for	learning	tasks
			in using IT	and	Pode	cast)	for	the	past	learning	/	learning /	teaching	beyond	school
			for learning	learn	ing / t	eachin	ıg	montl	ı	teaching in	the	in the past	month	hours in	ı the past
			/ teaching							past month				month	
a.	Chinese Language Education (including Putonghua)														
b.	English Language Education														
c.	Mathematics Education														
d.	Science Education														
e.	Technology Education [excluding Computer-related subject(s)]														
f.	Computer-related Subject(s)														
g.	Personal, Social & Humanities Education														
h.	Arts Education (including Visual Arts and Music)														
i.	Physical Education														
j.	Liberal Studies for Senior Secondary Levels														
k.	Others [e.g. Library period Religious Studies (Please specify:)]														

16. Please indicate your perception of students' level of competency in the following: (The percentages given below are for the sake of achieving better understanding of the descriptors such as 'Very competent' and 'Competent'. No computation is needed for this question.)

Competency	Very competent (76-100%)	Competent (51-75%)	Fairly competent (26-50%)	Not competent (1-25%)	Totally not competent (0%)	
a. Information search						
b. Information selection						
c. Information collation & analysis						
d. Reporting & presentation						
e. Proper use of IT (e.g. Internet security,						
Intellectual Property awareness, Personal Data Privacy awareness)						
f. Computer operation skills						
g. Chinese characters input						
h. Use of digital resources						
i. Use of emerging technical device(s) [e.g. mobile phone, PDA]						
j. Others (Please specify: )						

17. In <u>the last school year</u>, did your school / Parent-Teacher Association in your school organise the following activities or carry out the following measures to encourage parents' participation in related work of ITEd in school:

Activity(ies) / Measure(s)	Yes	No
a. Encouraged parents to visit the school website / Intranet so as to understand the	situation	
(e.g. development of ITEd) in school		
b. Provided ITEd-related activities for parents		
c. Explained the work of ITEd in school to parents		
d. Encouraged parents to instill the proper principles, values and attitude in the use of	of IT into	
their child(ren)		
e. Others (Please specify:	)	

	e.	Others (Please specify:	)	
18.	Plea	se indicate the percentage (to the nearest integer) of students who HAVE:		
10.	a.	Computer access at home Internet access at home		

19.	Which of the following facilities / service choose the three most needed items)	es are most needed to provide an	environment conducive to ITEd: (Please
	Multi-media computer rooms	Enhanced broadband Internet connection	e-Learning resources
	Computers and projectors in classrooms	Wireless network	□ IT Management Tools
	Interactive electronic whiteboards	School campus TV	☐ Enhanced on-site technical support services
	Mobile learning devices [e.g.   Personal Digital Assistant (PDA), Pocket Personal Computer (PC),	e-mail system	e-Learning platform / Learning Management System (LMS)
	Netbook, etc]	Others (Please specify:	)
20.	Which of the following mode(s) of ITEd may choose more than one option below)  □ Training courses □ Special lectures □ Training camps □ Others (Please specify:	□ Seminars □ Workshops □ School visits	chers is(are) <u>more preferable</u> to you: (You
21.	Please indicate your overall level of satisfa	action with ITEd or ITEd developm	nent in your school.
	□ Very satisfied □ Satisfied	□ Fairly satisfied □ No	ot satisfied
22.	Please express your <u>expectations</u> (e.g. t professional support, etc) on ITEd or ITE		oort, parental support, resource support,

# Appendix 5: Questionnaire for Special School (Mainstream Curriculum) Sector (RS1EME)

1.	Please give the total of each of the following:								
	a. No. of approved classes: b. Total no. of students:								
	c. Total no. of classrooms (excluding special rooms and laboratories):	oms and laboratories):							
	d. Total no. of special rooms (including laboratories):								
	· · · · · · · · · · · · · · · · · · ·								
2.	Please give the total of each of the following items (Put "0" for the total if there is no such item):								
	Items	Total	NT / 1	1					
	a. No. of computers [desktop & notebook (including netbook)]	Desktop:	Noteboo						
	<ul> <li>b. No. of computers [desktop &amp; notebook (including netbook)] for <u>student use</u></li> <li>c. No. of computers &amp; digital projectors in <u>All</u> classrooms (excluding special rooms</li> </ul>	Desktop: Computer:	Noteboo						
	and laboratories)	Computer:	Projecto	Γ.					
	d. No. of computers & digital projectors in All special rooms and laboratories	Computer:	Projecto	r:					
	[excluding library(ies)]	a samp mass							
	e. No. of computers in school library for <b>student use</b>								
	f. No. of computer room(s) opened and computers available for <b>student use beyond</b>	Computer	Comput	er:					
	school hours	Room:							
	g. No. of opening hours (to the <u>nearest 0.5</u> ) that computer room(s) is(are) opened for								
	student use beyond school hours per week								
	h. Average no. of students using computers in computer room(s) <b>beyond school hours per day</b>								
	i. Average no. of hours (to the <u>nearest 0.5</u> ) that each student uses computer in								
	computer room(s) beyond school hours per day								
	j. No. of electronic whiteboards								
	k. No. of digital projectors for <b>mobile use</b>								
	1. No. of other digital devices [e.g. Personal Digital Assistant (PDA), eBook reader]								
	used as mobile learning devices (Please specify:)								
	m. No. of teacher(s) responsible for coordinating ITEd development								
	n. No. of IT technical support services (TSS) staff member(s) (non-teaching staff								
	employed for providing IT technical support)								
	o. No. of ITEd team members [excluding TSS staff member(s)] p. Annual ITEd expenditure (to the <u>nearest 1000</u> ) on average (with reference to the								
	last 2 years' school records)								
	q. Percentage (to the <b>nearest integer</b> ) of school annual expenditure (excluding								
	teaching staff salaries) on average (with reference to the last 2 years' school								
	records)								
3.	Please indicate the availability of the following in your school:								
Э.	Ţ Ţ								
	Items		Yes	No					
	a. School homepage								
	b. School Intranet								
	c. e-Learning platform / Learning Management System (LMS)								
	d. Teachers' homepage(s)								
	e. Students' homepage(s)								
	f. Campus TV	1							
	<ul><li>g. Other Internet service(s) [Please specify (e.g. blog):</li><li>h. Wi-Fi connectivity within school campus</li></ul>								
	ii. Wi-Fi Connectivity within school campus								
4.	Please indicate the bandwidth of Internet connectivity in your school:								
	$\square$ <25 Mb $\square$ 25 - <50 Mb $\square$ 50 - <100 Mb $\square$ 100 Mb $\square$ >100	Mb (Please specif	y:	)					
		` .							
5.	Please indicate if there is any ITEd Development Plan in your school:								
	$\Box$ Yes $\Box$ No ( <b>Go to Q7</b> )								
	a. It is formulated as								
	$\Box$ an integral part of school development plan ( <u>Go to Q5c</u> ) $\Box$ a separate plan								
	b. Duration of the <u>separate</u> ITEd development plan on average	`							
	☐ 1 year ☐ 2 years ☐ 3 years ☐ > 3 years (Please specify:	_)							
	c. Evaluation mechanism(s) on the development of ITEd is(are) available  Yes No								
	□ 100 □ 110								

6. Please indicate the importance of each of the following goals in formulating your school ITEd development plan:

C	pals	Very	Important	Fairly	Not	Totally not
G			important	important	important	important
a.	To improve students' learning outcomes					
	To enhance students' understanding of subject content					
c.	To provide suitable learning activities according to needs of individual students					
d.	To strengthen students' initiative, independence and sense of responsibility in learning					
e.	To strengthen / develop students' generic skills (e.g. analytical skills, creativity, & collaboration skills)					
f.	To meet the expectations of parents					
g.	To meet the expectations of the community					
h.	To improve communication & cooperation among school, parents & the community					
i.	To provide guidance / briefing sessions so as to prepare students for further studies / future careers					
j.	To promote cross-subject / curricular collaboration activities for enhancing students' learning					
k.	To foster students' information literacy (IL)					
1.	To promote learning through assessment					
m.	Others (Please specify:)					

7. Please indicate the area(s) that your school has deployed IT [e.g. e-System(s) / Mechanism(s)] to facilitate work flow and specify related e-system(s) / mechanism(s) used (if any):

A	rea(s)	Yes	e-System(s) / Mechanism(s) used	No
a.	To capture students' attendance (excluding WebSAMS, e.g. SmartCard)			
b.	To handle cash transactions			
c.	To facilitate communication (e.g. e-mail system, SMS) amongst relevant			
	stakeholders (e.g. teachers, students, parents, alumni)			
d.	To manage ITEd-related resources (e.g. inventory updates, storage / sharing			
	of learning / teaching resources, maintenance of records)			
e.	To manage booking of ITEd-related resources (e.g. rooms & IT facilities)			
f.	To manage students' learning records including other learning experiences			
	(excluding WebSAMS, e.g. e-portfolio, LMS)			
g.	Others (Please specify:			

8. Please indicate the type(s) of measure(s) / scheme(s) that your school has deployed to enhance students' learning effectiveness:

M	easure(s) / Scheme(s)	Yes	No
a.	Provision of free-of-charge learning resources		
	[Please specify the source(s):		
b.	Provision of off-line or on-line fee-charging resources		
	[Please specify related subject(s):		
c.	Provision of on-line exercise(s) / test database or item bank(s)		
	(If Yes, please indicate whether qualitative feedback from teachers is available:		
d.	Provision of communication platform / tool(s) (e.g. e-mail, discussion forum, blog, chat room) to		
	enhance interaction among students and teachers (Please specify the means:)		
e.	Teachers are requested to include IT elements in subject- / KLA-based plan(s) as appropriate		
f.	Teachers are requested to include IT elements in learning activity(ies) (e.g. project- / enquiry-based)		
g.	Students are requested to submit assignment(s) via on-line means (e.g. e-mail, e-Learning platform,		
	LMS) (Please specify the means:)		
h.	Others (Please specify:)		

9. Please indicate the type(s) of measure(s) / scheme(s) that your school has deployed to promote students' information literacy (IL):

I	Measure(s) / Scheme(s)	Yes	No
a.	Seminar(s) / course(s) for students to enhance their IL		
b.	Seminar(s) / course(s) for parents to help their child(ren) develop their IL		
c.	Provision of guidelines on use of IT for teachers		
d.	Provision of guidelines on use of IT for students		
e.	IL is instilled in students through teaching activities of different subjects		
f.	IL is being taught as an independent subject		
g.	IL is integrated into the Computer / IT curriculum		
h.	Others (Please specify:)		

10. Please indicate the type(s) of measure(s) / scheme(s) your school has deployed to help needy students use IT in their learning after school:

N	Ieasure(s) / Scheme(s)	Yes	No
a.	Computers / facilities [excluding those in computer room(s)] available at school for student use beyond school hours		
b.	Portable computers on loan to needy students for use at home		
c.	Needy students encouraged to apply to join EDB Computer Recycling Programme		
d.	Needy students encouraged to apply for computers from other organisations [e.g. non-governmental organisations (NGOs), IT industries]		
e.	Financial support given to disadvantaged students for Internet access at home		
f.	Call for donation of / recycled computers from students / parents		
g.	Others (Please specify:		

11. Please indicate the type(s) of measure(s) / scheme(s) that your school deployed to promote staff professional development on ITEd <u>last school year</u>:

Measure(s) / Scheme(s)	Yes	No
a. Sharing session(s) organised for teachers within school		
b. Sharing session(s) organised for teachers with other schools		
c. Seminar(s) / course(s) / workshop(s) conducted by tertiary institutions / NGO(s) / IT industries for		
teachers		
d. Staff development programme(s) conducted on-site by EDB		
e. School visit(s)		
E. Incentive scheme(s) (Please specify:)		
g. Others (Please specify: )		

12. Please indicate the collaborative project(s) / activity(ies) that your school has launched with other organisation(s) on the use of IT for learning / teaching:

Pı	Project(s) / Activity(ies)			
a.	Training course(s) / seminar(s) / workshop(s) / sharing session(s)			
b.	School visit(s)			
c.	Joint publications			
d.	Development and / or trial use of e-learning resource(s)			
e.	Development of IT tool(s) / system(s) to facilitate learning / teaching			
f.	Development of IT tool(s) / system(s) to facilitate administration / management work			
g.	Development of emerging technological device(s) for learning / teaching			
h.	Others (Please specify:)		•	

13. Please indicate how Computer / IT skills (i.e. technical skills, not Information Literacy) are taught in your school for the <u>current school year</u>:

T	eaching Mode(s)	Yes	No
a.	Computer / IT is offered as a discrete subject <sup>13</sup>		
b.	Computer / IT skills are integrated into the school curriculum (i.e. across different disciplines)		
c.	Computer / IT skills are integrated into extra-curricular activities		
d.	Others (Please specify:		

Please refer to "Response Forms for Q14 & Q15 in Questionnaire" (i.e. Appendix 2 to Project Team's invitation letter) collated from panel heads and/or subject / KLA teacher representatives, and complete Q14 and Q15 accordingly.

14. In general, the extent of teachers' use of IT for learning / teaching in my school is as follows: (The percentages given below are for the sake of achieving better understanding of the descriptors such as 'Always' and 'A lot'. No computation is needed for this question.)

	needed for this question.)				
	Subject / KLA	Always (76-100%)	A lot (51-75%)		IT is not applicable in this subject
a.	Chinese Language Education (including Putonghua)				
b.	English Language Education				
c.	Mathematics Education				
d.	General Studies / Science Education				
e.	Technology Education [Excluding Computer-related				
	subject(s)]				
f.	Computer-related Subject(s)				
g.	Personal, Social & Humanities Education				
h.	Arts Education (including Visual Arts and Music)				
i.	Physical Education				
j.	Practical Skills (including Life Skills Training				
k.	Liberal Studies for Senior Secondary Levels (including				
	Independent Living Skills)				
1.	Others [e.g. Library period, Religious Studies (Please				
	specify:				

Excluding Computer & Information Technology / Information & Communication Technology subjects offered for upper forms.

15. Please complete the following regarding teachers' use of IT for learning / teaching based on the information collated:

	Subject / KLA  No. of No. of Teachers who Reported to													
	3				ised eme			used	have	used	have used	off-line	have	assigned
		Represented				(e.g.			free-of-	usea	or			to use IT
					2.0 techn						fee-chargi		to	perform
			confident	such a	as Blog	Wiki	teachi	ng in	resources				learning	tasks
			in using IT								learning /			
			for learning								in the past			
			/ teaching	10411111	.5,	8			past mont		liv ine peisi		month	me pusi
a.	Chinese Language Education								F	-				
и.	(including Putonghua)													
b.	English Language Education													
c.	Mathematics Education													
d.	General Studies / Science													
	Education													
e.	Technology Education													
	[excluding Computer-related													
	subject(s)]													
I.	Computer-related Subject(s)													
g.	Personal, Social & Humanities Education													
h.	Arts Education (including													
11.	Visual Arts and Music)													
i.	Physical Education													
į.	Practical Skills (including Life													
	Skills Training)													
k.	Liberal Studies for Senior													
	Secondary Levels(including													
	Independent Living Skills)													
1.	Others [e.g. Library period,													
	Religious Studies (Please													
	specify:)]													

16. Please indicate your perception of students' level of competency in the following: (The percentages given below are for the sake of achieving better understanding of the descriptors such as 'Very competent' and 'Competent'. No computation is needed for this question.)

Con	npetency	Very competent (76-100%)	Competent (51-75%)	Fairly competent (26-50%)	Totally not competent (0%)	Not applicable
a. I	Information search					
b. I	Information selection					
c. I	Information collation & analysis					
d. I	Reporting & presentation					
I	Proper use of IT (e.g. Internet security, Intellectual Property awareness, Personal Data Privacy awareness)					
f. (	Computer operation skills					
g. (	Chinese characters input					
h. I	Use of digital resources					
	Use of emerging technical device(s) [e.g. mobile phone, PDA]					
j. (	Others (Please specify:)					

17. In <u>the last school year</u>, did your school / Parent-Teacher Association in your school organise the following activities or carry out the following measures to encourage parents' participation in related work of ITEd in school:

Activity(ies) / Measure(s)			No
	a. Encouraged parents to visit the school website / Intranet so as to understand the situation		
	(e.g. development of ITEd) in school		
1	o. Provided ITEd-related activities for parents		
(	c. Explained the work of ITEd in school to parents		
(	d. Encouraged parents to instill the proper principles, values and attitude in the use of IT into		
	their child(ren)		
(	e. Others (Please specify:)		

		then ennu(ren)		
	e.	Others (Please specify:	)	
18.	Plea			
	a.	Computer access at home		
	b.	Internet access at home		

19.	Which of the following facilities / service choose the three most needed items)	ees are most needed to provide an	environment conducive to ITEd: (Please
	Multi-media computer rooms	Enhanced broadband Internet connection	□ e-Learning resources
	Computers and projectors in classrooms	Wireless network	□ IT Management Tools
	Interactive electronic whiteboards	School campus TV	☐ Enhanced on-site technical support services
	Mobile learning devices [e.g. Dersonal Digital Assistant (PDA), Pocket Personal Computer (PC), Netbook, etc]	e-mail system	□ e-Learning platform / Learning Management System (LMS)
	Assistive technology device(s) (e.g.   keyboards with enlarged keytops, braille display device, etc.)	Others (Please specify:	·)
20.	Which of the following mode(s) of ITE of may choose more than one option below)    Training courses   Special lectures   Training camps   Others (Please specify:	□ Seminars □ Workshops □ School visits	hers is(are) <u>more preferable</u> to you: (You
21.	Please indicate your overall level of satisf	<del></del>	ent in your school.
	□ Very satisfied □ Satisfied	☐ Fairly satisfied ☐ No	ot satisfied
22.	Please express your <u>expectations</u> (e.g. professional support, etc) on ITEd or ITI		ort, parental support, resource support,

# Appendix 6: Questionnaire for Special School (Special Curriculum) Sector (RS1ESE)

1.	Please give the <u>total</u> of each of the following:							
	a. No. of approved classes: b. Total no. of students:							
	c. Total no. of classrooms (excluding special rooms and laboratories):							
	d. Total no. of special rooms (including laboratories):							
_								
2.	Please give the <u>total</u> of each of the following items (Put "0" for the total if there is no such item):    Total							
	Items       a. No. of computers [desktop & notebook (including netbook)]	Desktop:	Noteboo	.l				
	b. No. of computers [desktop & notebook (including netbook)]  b. No. of computers [desktop & notebook (including netbook)] for student use	Desktop:	Noteboo					
	c. No. of computers & digital projectors in All classrooms (excluding special rooms	Computer:	Projecto					
	and laboratories)	Computer.	Tiojecto	1.				
	d. No. of computers & digital projectors in All special rooms and laboratories	Computer:	Projecto	r:				
	[excluding library(ies)]							
	f. No. of computer room(s) opened and computers available for <u>student use beyond</u>	e. No. of computers in school library for <u>student use</u>						
	school hours	Computer Room:	Comput	CI.				
	g. No. of opening hours (to the <u>nearest 0.5</u> ) that computer room(s) is(are) opened for	Ttoom.						
	student use beyond school hours per week							
	h. Average no. of students using computers in computer room(s) beyond school							
	hours per day							
	i. Average no. of hours (to the <u>nearest 0.5</u> ) that each student uses computer in computer room(s) <u>beyond school hours per day</u>							
	j. No. of electronic whiteboards							
	k. No. of digital projectors for <b>mobile use</b>							
	1. No. of other digital devices [e.g. Personal Digital Assistant (PDA), eBook reader] used as mobile learning devices (Please specify:)							
	m. No. of teacher(s) responsible for coordinating ITEd development							
	n. No. of IT technical support services (TSS) staff member(s) (non-teaching staff employed for providing IT technical support)							
	o. No. of ITEd team members [excluding TSS staff member(s)]							
	p. Annual ITEd expenditure (to the <u>nearest 1000</u> ) on average (with reference to the							
	last 2 years' school records)							
	q. Percentage (to the <u>nearest integer</u> ) of school annual expenditure (excluding teaching staff salaries) on average (with reference to the last 2 years' school							
	records)							
3.	Please indicate the availability of the following in your school:		1 1					
	Items		Yes	No				
	a. School homepage							
	b. School Intranet							
	c. e-Learning platform / Learning Management System (LMS)							
	d. Teachers' homepage(s)							
	e. Students' homepage(s)							
	f. Campus TV g. Other Internet service(s) [Please specify (e.g. blog):	1						
	h. Wi-Fi connectivity within school campus							
	ii. Williamourity within sonoor eampas		<u> </u>					
4.	Please indicate the bandwidth of Internet connectivity in your school:							
	$\square$ <25 Mb $\square$ 25 - <50 Mb $\square$ 50 - <100 Mb $\square$ 100 Mb $\square$ >100	Mb (Please specif	Y:	)				
5.	Please indicate if there is any ITEd Development Plan in your school:							
	□ Yes □ No (Go to Q7)							
	a. It is formulated as  □ an integral part of school development plan ( <i>Go to Q5c</i> ) □ a separate plan							
	b. Duration of the <u>separate</u> ITEd development plan on average							
	$\Box$ 1 year $\Box$ 2 years $\Box$ 3 years $\Box$ > 3 years (Please specify:	_)						
	c. Evaluation mechanism(s) on the development of ITEd is(are) available	<del></del>						
	□ Yes □ No							

Goals		Very	Important	Fairly	Not	Totally not
G	i		important	important	important	important
a.	To improve students' learning outcomes					
	To enhance students' understanding of subject content					
c.	To provide suitable learning activities according to needs of individual students					
d.	To strengthen students' initiative, independence and sense of responsibility in learning					
e.	To strengthen / develop students' generic skills (e.g. analytical skills, creativity, & collaboration skills)					
f.	To meet the expectations of parents					
g.	To meet the expectations of the community					
h.	To improve communication & cooperation among school, parents & the community					
i.	To provide guidance / briefing sessions so as to prepare students for further studies / future careers					
j.	To promote cross-subject / curricular collaboration activities for enhancing students' learning					
k.	To foster students' information literacy (IL)					
1.	To promote learning through assessment					
m.	Others (Please specify:)					

7. Please indicate the area(s) that your school has deployed IT [e.g. e-System(s) / Mechanism(s)] to facilitate work flow and specify related e-system(s) / mechanism(s) used (if any):

A	Area(s)	Yes	e-System(s) / Mechanism(s) used	No
a.	To capture students' attendance (excluding WebSAMS, e.g. SmartCard)			
b.	To handle cash transactions			
c.	To facilitate communication (e.g. e-mail system, SMS) amongst relevant			
	stakeholders (e.g. teachers, students, parents, alumni)			
d.	To manage ITEd-related resources (e.g. inventory updates, storage / sharing			
	of learning / teaching resources, maintenance of records)			
e.	To manage booking of ITEd-related resources (e.g. rooms & IT facilities)			
f.	To manage students' learning records including other learning experiences			
	(excluding WebSAMS, e.g. e-portfolio, LMS)			
g.	Others (Please specify:)			

8. Please indicate the type(s) of measure(s) / scheme(s) that your school has deployed to enhance students' learning effectiveness:

M	easure(s) / Scheme(s)	Yes	No
a.	Provision of free-of-charge learning resources		
	[Please specify the source(s):		
b.	Provision of off-line or on-line fee-charging resources		
	[Please specify related subject(s):		
c.	Provision of on-line exercise(s) / test database or item bank(s)		
	(If Yes, please indicate whether qualitative feedback from teachers is available:		
d.	Provision of communication platform / tool(s) (e.g. e-mail, discussion forum, blog, chat room) to		
	enhance interaction among students and teachers (Please specify the means:)		
e.	Teachers are requested to include IT elements in subject- / KLA-based plan(s) as appropriate		
f.	Teachers are requested to include IT elements in learning activity(ies) (e.g. project- / enquiry-based)		
g.	Students are requested to submit assignment(s) via on-line means (e.g. e-mail, e-Learning platform,		
	LMS) (Please specify the means:)		
h.	Others (Please specify:)		

I	Measure(s) / Scheme(s)	Yes	No
a.	Seminar(s) / course(s) for students to enhance their IL		
b.	Seminar(s) / course(s) for parents to help their child(ren) develop their IL		
c.	Provision of guidelines on use of IT for teachers		
d.	Provision of guidelines on use of IT for students		
e.	IL is instilled in students through teaching activities of different subjects		
f.	IL is being taught as an independent subject		
g.	IL is integrated into the Computer / IT curriculum		
h.	Others (Please specify:)		

M	Ieasure(s) / Scheme(s)	Yes	No
a.	Computers / facilities [excluding those in computer room(s)] available at school for student use		
	beyond school hours		
b.	Portable computers on loan to needy students for use at home		
c.	Needy students encouraged to apply to join EDB Computer Recycling Programme		
d.	Needy students encouraged to apply for computers from other organisations [e.g. non-governmental		
	organisations (NGOs), IT industries]		
e.	Financial support given to disadvantaged students for Internet access at home		
f.	Call for donation of / recycled computers from students / parents		
g.	Others (Please specify:)		

11. Please indicate the type(s) of measure(s) / scheme(s) that your school deployed to promote staff professional development on ITEd last school year:

uc	clopment on 11 Eu last school year.		
N	[easure(s) / Scheme(s)	Yes	No
a.	Sharing session(s) organised for teachers within school		
b.	Sharing session(s) organised for teachers with other schools		
c.	Seminar(s) / course(s) / workshop(s) conducted by tertiary institutions / NGO(s) / IT industries for		
	teachers		
d.	Staff development programme(s) conducted on-site by EDB		
e.	School visit(s)		
f.	Incentive scheme(s) (Please specify:)		
g.	Others (Please specify:)		

12. Please indicate the collaborative project(s) / activity(ies) thatyour school has launched with other organisation(s) on the use of IT for learning / teaching:

Pı	roject(s) / Activity(ies)	Yes	No
a.	Training course(s) / seminar(s) / workshop(s) / sharing session(s)		·
b.	School visit(s)		
c.	Joint publications		
d.	Development and / or trial use of e-learning resource(s)		
e.	Development of IT tool(s) / system(s) to facilitate learning / teaching		
f.	Development of IT tool(s) / system(s) to facilitate administration / management work		
g.	Development of emerging technological device(s) for learning / teaching		·
h.	Others (Please specify:		

13. Please indicate how Computer / IT skills (i.e. technical skills, not Information Literacy) are taught in your school for the current school year:

To	eaching Mode(s)	Yes	No
a.	Computer / IT is offered as a discrete subject		
b.	Computer / IT skills are integrated into the school curriculum (i.e. across different disciplines)		
c.	Computer / IT skills are integrated into extra-curricular activities		
d.	Others (Please specify:)		

Please refer to "Response Forms for Q14 & Q15 in Questionnaire" (i.e. Appendix 2 to Project Team's invitation letter) collated from panel heads and/or subject / KLA teacher representatives, and complete Q14 and Q15 accordingly.

	needed for inis question.)				
St	bject / KLA / Area of Learning	Always (76-100%)	Sometimes (26-50%)		IT is not applicable in this subject
a.	Language				
b.	Mathematics				
c.	General Studies				
d.	Technology Education [Excluding Computer-related subject(s)]				
e.	Computer-related Subject(s)				
f.	Arts Education (including Visual Arts and Music)				
g.	Physical Education				
h.	Practical Skills (including Seld-care & Perceptual Motor Training)				
i.	Liberal Studies for Senior Secondary Levels (including Independent Living Skills)				
j.	Others [e.g. Library period, Religious Studies (Please specify:)]				

15. Please complete the following regarding teachers' use of IT for learning / teaching based on the information collated:

Subject / KLA / Area of	No. of	No. of Tea	achers who Reported	l to			
Learning	Teachers	be	have used emerging	have used	have used	have used off-line	have assigned
	Represented		technology (e.g.		free-of-	or on-line	students to use <u>IT</u>
			Web 2.0 technology				to perform
			such as Blog, Wiki	_			learning tasks
			and Podcast) for			learning / teaching	
			learning / teaching	month		in the past month	
		/ teaching			past month		month
a. Language							
b. Mathematics							
c. General Studies							
d. Technology Education [excluding Computer-related subject(s)]							
e. Computer-related Subject(s)							
f. Arts Education (including Visual Arts and Music)							
g. Physical Education							
h. Practical Skills (including Self-care & Perceptual Motor Training)							
i. Liberal Studies for Senior Secondary Levels (including Independent Living Skills)							
j. Others [Please specify (e.g. Library Period, Religious Studies, etc):							

16. Please indicate your perception of students' level of competency in the following: (The percentages given below are for the sake of achieving better understanding of the descriptors such as 'Very competent' and 'Competent'. No computation is needed for this question.)

Competency	Very competent (76-100%)	Competent (51-75%)	Fairly competent (26-50%)	Totally not competent (0%)	
a. Information search					
b. Information selection					
c. Information collation & analysis					
d. Reporting & presentation					
e. Proper use of IT (e.g. Internet security, Intellectual Property awareness, Personal Data					
Privacy awareness)					
f. Computer operation skills					
g. Chinese characters input					
h. Use of digital resources					
i. Use of emerging technical device(s) [e.g. mobile phone, PDA]					
j. Others (Please specify:)					

17. In <u>the last school year</u>, did your school / Parent-Teacher Association in your school organise the following activities or carry out the following measures to encourage parents' participation in related work of ITEd in school:

Activity(ies) / Measure(s)	Yes	No
a. Encouraged parents to visit the school website / Intranet so as to understand the situation		
(e.g. development of ITEd) in school		
b. Provided ITEd-related activities for parents		
c. Explained the work of ITEd in school to parents		
d. Encouraged parents to instill the proper principles, values and attitude in the use of IT into		
their child(ren)		
e. Others (Please specify:)		

	C.	Officis (Ficase specify.		
18.	Pleas	se indicate the percentage (	(to the <u>nearest integer</u> ) of students who <u>HAVE</u> :	
	a.	Computer access at home		
	b.	Internet access at home		

19.	Which of the following facilities / so	ervice	es are most needed to prov	vide an	environmen	at conducive to ITEd: (Please
	<u>choose the three most needed items</u> )  Multi-media computer rooms		Enhanced broadband connection	Internet	□ e-Lear	ning resources
	classrooms		Wireless network		□ IT Ma	nagement Tools
	Interactive electronic whiteboards		School campus TV		service	
	Mobile learning devices [e.g. Personal Digital Assistant (PDA), Pocket Personal Computer (PC), Netbook, etc]	,	e-mail system			ning platform / Learning gement System (LMS)
	Assistive technology device(s) (e.g. keyboards with enlarged keytops, braille display device, etc.)		Others (Please specify:			)
	Which of the following mode(s) of I may choose more than one option bel  Training courses  Special lectures  Training camps  Others (Please specify:	low)	□ Semina: □ Worksh	rs 10ps visits	hers is(are)	more preferable to you: (You
21.	Please indicate your overall level of sa			_	-	
	□ Very satisfied □ Satis	fied	□ Fairly satisfied	□ No	ot satisfied	□ Totally not satisfied
22.	Please express your <u>expectations</u> (or professional support, etc.) on ITEd or				ort, parenta	al support, resource support

## Appendix 7: Questionnaire for Primary School Sector (RS2PE) 1. Please give the total of each of the following:

a.	No. of approved classes: [b. 1 of all no. of students:						
	Total no. of classrooms (excluding special rooms <sup>v1</sup> and laboratories):						
d.	Total no. of special rooms and laboratories [excluding library(ies)]:						
Ple	ease give the <u>total</u> of each of the following items (Put "0" for the total if there is no	such item):					
	Items		tal				
a.	No. of computers [desktop & notebook (including netbook)]	Desktop:		ok:			
	No. of computers [desktop & notebook (including netbook)] for student use <sup>vii</sup>	Desktop:	Noteboo	ok:			
c.	No. of computers & digital projectors in All classrooms (excluding special rooms	Computer:	Projecto	or:			
	and laboratories)						
d.	No. of computers & digital projectors in <u>All</u> special rooms and laboratories	Computer:	Projecto	or:			
	[excluding library(ies)]						
e.	No. of computers in school library for student use	~					
f.	No. of computer room(s) <sup>viii</sup> opened and computers available for <b>student use</b>		Comput	er:			
-	beyond school hours	Room:					
g.	No. of opening hours (to the <u>nearest 0.5</u> ) that computer room(s) is(are) opened						
h	for <u>student use beyond school hours per week</u> Average no. of students using computers in computer room(s) <b>beyond school</b>						
11.	hours per day						
i	Average no. of hours (to the <b>nearest 0.5</b> ) that each student uses computer in						
1.	computer room(s) beyond school hours per day	Total  Desktop: Notebook: Desktop: Notebook: Computer: Projector:  Computer Computer: Room:  ast 2 years' school records)  301,000-400,000  cify:					
į.	No. of electronic whiteboards						
	No. of digital projectors for <b>mobile use</b>						
	No. of other digital devices [e.g. Personal Digital Assistant (PDA), eBook reader]						
1.	used as mobile learning devices (Please specify:)						
m	. No. of teacher(s) responsible for coordinating ITEd development <sup>x</sup>						
	No. of IT technical support services (TSS) staff member(s) (non-teaching staff						
	employed for providing IT technical support)						
0.	No. of ITEd team members [excluding TSS staff member(s)]						
p.	p. Annual ITEd expenditure <sup>xviii</sup> (to the <b>nearest 1000</b> ) on average (with reference to the last 2 years' school records)						
	$\Box$ 0-200,000 $\Box$ 201,000-250,000 $\Box$ 251,000-300,000	00 \( \sigma \) 301,000-400,000					
	□ 401,000-600,000 □ 601,000-800,000 □ >800,000 (Please sp	ecify:		)			
q.	Percentage (to the <b>nearest integer</b> ) of school annual expenditure (excluding						
	teaching staff salaries) spent on ITEd on average (with reference to the last 2 years'						
	school records)						
DΙ	ease indicate the availability of the following in your school:						
	· · · · · · · · · · · · · · · · · · ·						
	Items		Yes	No			
a.	School homepage						
b.	School Intranet						
	e-Learning platform <sup>xiii</sup> / Learning Management System (LMS)						
	Teachers' homepage(s)						
e.	Students' homepage(s)						
f.	Campus TV						
g.	Other Internet service(s) [Please specify (e.g. blog):	]					
h.	Wi-Fi connectivity within school campus						
	ase indicate the bandwidth of Internet connectivity in your school:						
	<25 Mb □ 25 - <50 Mb □ 50 - <100 Mb □ 100 Mb □ >100	Mb (Please specif	y:	)			
Ple	ease indicate if there is any ITEd Development Plan in your school:						
	Yes   No ( <i>Go to Q7</i> )						
a.	It is formulated as						
L	□ an integral part of school development plan ( <u>Go to Q5c</u> ) □ a separate plan						
b.	Duration of the <u>separate</u> ITEd development plan on average  □ 1 year □ 2 years □ 3 years □ > 3 years (Please specify:	)					
c.	Evaluation mechanism(s) <sup>xiv</sup> on the development of ITEd is(are) available	_)					
C.	□ Yes □ No						
	L 105 L 110						

	Goals		Important	Fairly	Not	Totally not
			•	important	important	important
a.	To improve students' learning outcomes					
b.	To enhance students' understanding of subject content					
c.	To provide suitable learning activities according to needs					
	of individual students					
d.	To strengthen students' initiative, independence and					
	sense of responsibility in learning					
e.	To strengthen / develop students' generic skills (e.g.					
	analytical skills, creativity, & collaboration skills)					
f.	To meet the expectations of parents					
g.	To meet the expectations of the community					
h.	To improve communication & cooperation among					
	school, parents & the community					
i.	To provide guidance / briefing sessions so as to prepare					
	students for further studies / future careers					
j.	To promote cross-subject / curricular collaboration					
	activities for enhancing students' learning					
k.	To foster students' information literacy (IL) <sup>XIX</sup>					
1.	To promote learning through assessment					
m.	Others (Please specify:)					

7. Please indicate the area(s) that your school has deployed IT [e.g. e-System(s) / Mechanism(s)] to facilitate work flow and specify related e-system(s) / mechanism(s) used (if any):

	Area(s)	Yes	e-System(s) / Mechanism(s) used	No
a.	To capture students' attendance (excluding WebSAMS, e.g. SmartCard)			
b.	To handle cash transactions			
c.	To facilitate communication (e.g. e-mail system, SMS) amongst relevant			
	stakeholders (e.g. teachers, students, parents, alumni)			
d.	To manage ITEd-related resources (e.g. inventory updates, storage / sharing			
	of learning / teaching resources, maintenance of records)			
	To manage booking of ITEd-related resources (e.g. rooms & IT facilities)			
f.	To manage students' learning records including other learning experiences			
	(excluding WebSAMS, e.g. e-portfolio, LMS)			
g.	Others (Please specify:)			

8. Please indicate the type(s) of measure(s) / scheme(s) that your school has deployed to enhance students' learning effectiveness:

	Measure(s) / Scheme(s)	Yes	No
a.	Provision of free-of-charge <sup>xx</sup> learning resources		
	[Please specify the source(s):		
b.	Provision of off-line or on-line fee-charging resources		
	[Please specify related subject(s):		
c.	Provision of on-line exercise(s) / test database or item bank(s)		
	(If Yes, please indicate whether qualitative feedback from teachers is available:		
d.	Provision of communication platform / tool(s) (e.g. e-mail, discussion forum, blog, chat room) to		
	enhance interaction among students and teachers (Please specify the means:		
e.	Teachers are requested to include IT elements in subject- / KLA-based plan(s) as appropriate		
f.	Teachers are requested to include IT elements in learning activity(ies) (e.g. project- / enquiry-based)		
g.	Students are requested to submit assignment(s) via on-line means (e.g. e-mail, e-Learning platform,		
	LMS) (Please specify the means:		
h.	Others (Please specify:)	·	

	Measure(s) / Scheme(s)	Yes	No
a.	Seminar(s) / course(s) for students to enhance their IL		
b.	Seminar(s) / course(s) for parents to help their child(ren) develop their IL		
c.	Provision of guidelines on use of IT <sup>xxi</sup> for teachers		
d.	Provision of guidelines on use of IT for students		
e.	IL is instilled in students through teaching activities of different subjects		
f.	IL is being taught as an independent subject		
g.	IL is integrated into the Computer / IT curriculum		
h.	Others (Please specify:		

	Measure(s) / Scheme(s)	Yes	No
a.	Computers / facilities [excluding those in computer room(s)] available at school for student use		
	beyond school hours		
b.	Portable computers on loan to needy students for use at home		
c.	Needy students encouraged to apply to join EDB Computer Recycling Programme		
d.	Needy students encouraged to apply for computers from other organisations [e.g. non-governmental organisations (NGOs), IT industries]		
e.	Financial support given to disadvantaged students for Internet access at home		
f.	Call for donation of / recycled computers from students / parents		
g.	Others (Please specify:		

11. Please indicate the type(s) of measure(s) / scheme(s) that your school deployed to promote staff professional development on ITEd last school year:

VII	11 Eu last school year:		
	Measure(s) / Scheme(s)	Yes	No
a.	Sharing session(s) organised for teachers within school		
b.	Sharing session(s) organised for teachers with other schools		
c.	Seminar(s) / course(s) / workshop(s) conducted by tertiary institutions / NGO(s) / IT industries for		
	teachers		
d.	Staff development programme(s) conducted on-site by EDB		
e.	School visit(s)		
f.	Incentive scheme(s) (Please specify:)		
g.	Others (Please specify:)		

12. Please indicate the collaborative project(s) / activity(ies) that your school has launched with other organisation(s) on the use of IT for learning / teaching:

	Project(s) / Activity(ies)	Yes	No
a.	Training course(s) / seminar(s) / workshop(s) / sharing session(s)		
b.	School visit(s)		
c.	Joint publications		
d.	Development and / or trial use of e-learning resource(s)		
e.	Development of IT tool(s) / system(s) to facilitate learning / teaching		
f.	Development of IT tool(s) / system(s) to facilitate administration / management work		
g.	Development of emerging technological device(s) for learning / teaching		
h.	Others (Please specify:		

13. Please indicate how Computer / IT skills (i.e. technical skills, not Information Literacy) are taught in your school for the current school year:

	Teaching Mode(s)	Yes	No
a.	Computer / IT is offered as a discrete subject		·
b.	Computer / IT skills are integrated into the school curriculum (i.e. across different disciplines)		
c.	Computer / IT skills are integrated into extra-curricular activities		
d.	Others (Please specify:)		

Please refer to "Response Forms for Q14 & Q15 in Questionnaire" (i.e. Appendix 2 to Project Team's invitation letter) collated from panel heads and/or subject / KLA teacher representatives, and complete Q14 and Q15 accordingly.

	Subject / KLA	Always (76-100%)	<b>Sometimes</b> (26-50%)		Not applicable
a.	Chinese Language Education (including Putonghua)				
b.	English Language Education				
c.	Mathematics Education				
d.	General Studies [excluding Computer-related subject(s)]				
e.	Computer-related Subject(s)				
f.	Arts Education (including Visual Arts and Music)				
g.	Physical Education				
h.	Others [e.g. Library period, Religious Studies (Please				
	specify:)]				

15. Please complete the following regarding teachers' use of IT for learning / teaching based on the information collated:

		ng regarding teachers' use of IT for learning / teaching based on the information collated:						
Subject / KLA	No. of	No. of Teachers who Reported to						
	Teachers		have used	have		have used	have used	have assigned
	Represented	confident	emerging	used <u>IT</u>	Depository of	free-of-charge	off-line or	students to use
		or very	technology (e.g.	for	Curriculum-based	resources other	on-line	IT to perform
		confident	Web 2.0	learning /	Learning &	than the	fee-charging	learning tasks
		in using	technology such as	teaching	Teaching Resources		resources for	beyond school
		IT for	Blog, Wiki and	in the	developed by EDB	<b>Depository</b> for	learning /	<b>hours</b> in the
		learning /	Podcast) for	past	for learning /	learning / teaching	teaching in the	past month
		teaching	learning / teaching	month	teaching in the past	in the past month	past month	
					month			
b. Chinese Language								
Education (including								
Putonghua)								
b. English Language								
Education								
c. Mathematics								
Education								
d. General Studies								
[excluding								
Computer-related								
subject(s)]								
e. Computer-related								
Subject(s)								
f. Arts Education								
(including Visual								
Arts and Music)								
g. Physical Education								
h. Others [Please								
specify (e.g. Library								
Period, Religious								
Studies, etc):]								

16. Please indicate your perception of students' level of competency in the following: (The percentages given below are for the sake of achieving better understanding of the descriptors such as 'Very competent' and 'Competent'. No computation is needed for this question.)

Competency	Very competent (76-100%)	Competent (51-75%)	Fairly competent (26-50%)	Not competent (1-25%)	Totally not competent (0%)	
a. Information search						
b. Information selection						
c. Information collation & analysis						
d. Reporting & presentation						
e. Proper use of IT (e.g. Internet security,						
Intellectual Property awareness, Personal Data						
Privacy awareness)						
f. Computer operation skills						
g. Chinese characters input						
h. Use of digital resources						
i. Use of emerging technical device(s) [e.g.						
mobile phone, PDA]						
j. Others (Please specify:)						

17. In the last school year, did your school / Parent-Teacher Association in your school organise the following activities or carry out the following measures to encourage parents' participation in related work of ITEd in school:

Activity(ies) / Measure(s)	Yes	No
a. Encouraged parents to visit the school website / Intranet so as to understand the situation		
(e.g. development of ITEd) in school		
b. Provided ITEd-related activities for parents		
c. Explained the work of ITEd in school to parents		
d. Encouraged parents to instill the proper principles, values and attitude in the use of IT into		
their child(ren)		
e. Others (Please specify:)		

18.	Acc	ording to the most recent information	, please indicate the	percentage (to the	e <u>nearest integer</u> )	of students who	HAVE:
	а	Computer access at home					

	b. Internet access at home				
19.	Which of the following facilities / s the three most needed items)	ervice	es are most needed to provide an o	enviro	nment conducive to ITEd: (Please choose
	Multi-media computer rooms		Enhanced broadband Internet connection		e-Learning resources
	Computers and projectors in classrooms		Wireless network		IT Management Tools
	Interactive electronic whiteboards		School campus TV		Enhanced on-site technical support services
	Mobile learning devices [e.g. Personal Digital Assistant (PDA), Pocket Personal Computer (PC),		e-mail system		e-Learning platform / Learning Management System (LMS)
	Netbook, etc]		Others (Please specify:	Į	)
21	☐ Training courses ☐ Special lectures ☐ Training camps ☐ Others (Please specify:		☐ Seminars ☐ Workshops ☐ School visits		
21.	Please indicate your school's overa	l leve	<u>l of satisfaction</u> with ITEd or ITE	d deve	lopment in your school.
	□ Very satisfied □ Sa	isfied	□ Fairly satisfied □	Not sa	tisfied   Totally not satisfied
22.	Please express your school's <u>expectory</u> professional support, etc) on ITEd				port, parental support, resource support,

# Appendix 8: Questionnaire for Secondary School Sector (RS2SE) 1. Please give the total of each of the following: a. No. of approved classes: b. Total no. of studen

	a. No. 01 approved classes	<u> </u>		
	c. Total no. of classrooms (excluding special rooms and laboratories):			
	d. Total no. of special rooms and laboratories [excluding library(ies)]:			
2.	Please give the total of each of the following items (Put "0" for the total if there is no	o such item):		
	Items		tal	
	a. No. of computers [desktop & notebook (including netbook)]	Desktop:	Notebo	ok:
	b. No. of computers [desktop & notebook (including netbook)] for <u>student use</u>	Desktop:	Notebo	
	c. No. of computers & digital projectors in <b>All</b> classrooms (excluding special rooms	Computer:	Projecto	
	and laboratories)	Computer.	Trojecu	л.
	d. No. of computers & digital projectors in <u>All</u> special rooms and laboratories	Computer:	Projecto	`**
		Computer.	Projecti	)1.
	[excluding library(ies)]			
	e. No. of computers in school library for <b>student use</b>		<u> </u>	
	f. No. of computer room(s) opened and computers available for <b>student use beyond</b>	Computer	Comput	er:
	school hours	Room:		
	g. No. of opening hours (to the <b>nearest 0.5</b> ) that computer room(s) is(are) opened for			
	student use beyond school hours per week			
	h. Average no. of students using computers in computer room(s) beyond school			
	hours per day			
	i. Average no. of hours (to the <b>nearest 0.5</b> ) that each student uses computer in			
	computer room(s) beyond school hours per day			
	j. No. of electronic whiteboards			
	· ·			
	k. No. of digital projectors for <b>mobile use</b>			
	1. No. of other digital devices [e.g. Personal Digital Assistant (PDA), eBook reader]			
	used as mobile learning devices (Please specify:)			
	m. No. of teacher(s) responsible for coordinating ITEd development			
	n. No. of IT technical support services (TSS) staff member(s) (non-teaching staff			
	employed for providing IT technical support)			
	o. No. of ITEd team members [excluding TSS staff member(s)]			
	p. Annual ITEd expenditure (to the <u>nearest 1000</u> ) on average (with reference to the last	t 2 years' sahaal re	paorda)	
	$\Box$ 0-200,000 $\Box$ 201,000-250,000 $\Box$ 251,000-300,000	$\Box$ 301,000		
	□ 0-200,000 □ 201,000-230,000 □ 251,000-300,000 □ 251,000-300,000 □ >800,000 (Please s		-400,000	`
				)
	q. Percentage (to the <u>nearest integer</u> ) of school annual expenditure (excluding			
	teaching staff salaries) spent on ITEd on average (with reference to the last 2 years'			
	school records)			
<b>3.</b>	Please indicate the availability of the following in your school:			
	T4		<b>T</b> 7	NT.
	Items		Yes	No
	a. School homepage			
	b. School Intranet			
	7 1 1 2 1 7 1 7 1 7 1 7 1 7 1 7 1 7 1 7			
	d. Teachers' homepage(s)			
	e. Students' homepage(s)			
	f. Campus TV			
	g. Other Internet service(s) [Please specify (e.g. blog):	]		
	h. Wi-Fi connectivity within school campus			
	1			
4.	Please indicate the bandwidth of Internet connectivity in your school:			
	· · ·	) MI- (DI:		`
	$\square$ <25 Mb $\square$ 25 - <50 Mb $\square$ 50 - <100 Mb $\square$ 100 Mb $\square$ >100	Mb (Please specif	у:	)
5.	Please indicate if there is any ITEd Development Plan in your school:			
	· · · · · · · · · · · · · · · · · · ·			
	$\square$ Yes $\square$ No ( <u>Go to Q7</u> )			
	a. It is formulated as			
	$\Box$ an integral part of school development plan ( <u>Go to Q5c</u> ) $\Box$ a separate plan			
	b. Duration of the <b>separate</b> ITEd development plan on average			
	$\Box$ 1 year $\Box$ 2 years $\Box$ 3 years $\Box$ > 3 years (Please specify:	)		
	c. Evaluation mechanism(s) on the development of ITEd is(are) available			
	□ Yes □ No			
	_ 1 <b>0</b> 0			

	Goals	Very	Important	Fairly	Not	<b>Totally not</b>
		important	•	important	important	important
a.	To improve students' learning outcomes					
b.	To enhance students' understanding of subject content					
c.	To provide suitable learning activities according to needs					
	of individual students					
d.	To strengthen students' initiative, independence and					
	sense of responsibility in learning					
e.	To strengthen / develop students' generic skills (e.g.					
	analytical skills, creativity, & collaboration skills)					
f.	To meet the expectations of parents					
g.	To meet the expectations of the community					
h.	To improve communication & cooperation among					
	school, parents & the community					
i.	To provide guidance / briefing sessions so as to prepare					
	students for further studies / future careers					
j.	To promote cross-subject / curricular collaboration					
	activities for enhancing students' learning					
k.	To foster students' information literacy (IL)					
1.	To promote learning through assessment					
m.	Others (Please specify:)					

7. Please indicate the area(s) that your school has deployed IT [e.g. e-System(s) / Mechanism(s)] to facilitate work flow and specify related e-system(s) / mechanism(s) used (if any):

	Area(s)	Yes	e-System(s) / Mechanism(s) used	No
a.	To capture students' attendance (excluding WebSAMS, e.g. SmartCard)			
b.	To handle cash transactions			
c.	To facilitate communication (e.g. e-mail system, SMS) amongst relevant			
	stakeholders (e.g. teachers, students, parents, alumni)			
d.	To manage ITEd-related resources (e.g. inventory updates, storage / sharing			
	of learning / teaching resources, maintenance of records)			
e.	To manage booking of ITEd-related resources (e.g. rooms & IT facilities)			
f.	To manage students' learning records including other learning experiences			
	(excluding WebSAMS, e.g. e-portfolio, LMS)			
g.	Others (Please specify:			

8. Please indicate the type(s) of measure(s) / scheme(s) that your school has deployed to enhance students' learning effectiveness:

	Measure(s) / Scheme(s)	Yes	No
a.	Provision of free-of-charge learning resources		
	[Please specify the source(s):		
b.	Provision of off-line or on-line fee-charging resources		
	[Please specify related subject(s):		
c.			
	(If Yes, please indicate whether qualitative feedback from teachers is available:)		
d.	Provision of communication platform / tool(s) (e.g. e-mail, discussion forum, blog, chat room) to		
	enhance interaction among students and teachers (Please specify the means:)		
e.	Teachers are requested to include IT elements in subject- / KLA-based plan(s) as appropriate		
f.	Teachers are requested to include IT elements in learning activity(ies) (e.g. project- / enquiry-based)		
g.	Students are requested to submit assignment(s) via on-line means (e.g. e-mail, e-Learning platform,		
	LMS) (Please specify the means:		
h.	Others (Please specify:)	•	

	Measure(s) / Scheme(s)	Yes	No
a.	Seminar(s) / course(s) for students to enhance their IL		
b.	Seminar(s) / course(s) for parents to help their child(ren) develop their IL		
c.	Provision of guidelines on use of IT for teachers		
d.	Provision of guidelines on use of IT for students		
e.	IL is instilled in students through teaching activities of different subjects		
f.	IL is being taught as an independent subject		
g.	IL is integrated into the Computer / IT curriculum		
h.	Others (Please specify:		

	Measure(s) / Scheme(s)	Yes	No
a.	Computers / facilities [excluding those in computer room(s)] available at school for student use		
	beyond school hours		
b.	Portable computers on loan to needy students for use at home		
c.	Needy students encouraged to apply to join EDB Computer Recycling Programme		
d.	Needy students encouraged to apply for computers from other organisations [e.g. non-governmental organisations (NGOs), IT industries]		
e.	Financial support given to disadvantaged students for Internet access at home		
f.	Call for donation of / recycled computers from students / parents		
g.	Others (Please specify:		

11. Please indicate the type(s) of measure(s) / scheme(s) that your school deployed to promote staff professional development on ITEd last school year:

VIII	11 Eu last school year.		
	Measure(s) / Scheme(s)	Yes	No
a.	Sharing session(s) organised for teachers within school		
b.	Sharing session(s) organised for teachers with other schools		
c.	Seminar(s) / course(s) / workshop(s) conducted by tertiary institutions / NGO(s) / IT industries for		
	teachers		
d.	Staff development programme(s) conducted on-site by EDB		
e.	School visit(s)		
f.	Incentive scheme(s) (Please specify:)		
g.	Others (Please specify:		

12. Please indicate the collaborative project(s) / activity(ies) that your school has launched with other organisation(s) on the use of IT for learning / teaching:

usc	of 11 for learning / teaching:			
	Project(s) / Activity(ies)		Yes	No
a.	Training course(s) / seminar(s) / workshop(s) / sharing session(s)			
b.	School visit(s)			
c.	Joint publications			
d.	Development and / or trial use of e-learning resource(s)			
e.				
f.	Development of IT tool(s) / system(s) to facilitate administration / management work			
g.	Development of emerging technological device(s) for learning / teaching			
h.	Others (Please specify:	)		

13. Please indicate how Computer / IT skills (i.e. technical skills, not Information Literacy) are taught in your school for the current school year:

	Teaching Mode(s)	Yes	No
a.	Computer / IT is offered as a discrete subject <sup>14</sup>		
b.	Computer / IT skills are integrated into the school curriculum (i.e. across different disciplines)		
c.	Computer / IT skills are integrated into extra-curricular activities		
d.	Others (Please specify:)		

Please refer to "Response Forms for Q14 & Q15 in Questionnaire" (i.e. Appendix 2 to Project Team's invitation letter) collated from panel heads and/or subject / KLA teacher representatives, and complete Q14 and Q15 accordingly.

14. In general, the extent of teachers' use of IT for learning / teaching in my school is as follows: (The percentages given below are for the sake of achieving better understanding of the descriptors such as 'Always' and 'A lot'. No computation is needed for this question.)

	jor inis question.)						
	Subject / KLA	Always (76-100%)	A lot (51-75%)	<b>Sometimes</b> (26-50%)	Rarely (1-25%)	Never (0%)	Not applicable
a.	Chinese Language Education (including Putonghua)						
b.	English Language Education						
c.	Mathematics Education						
d.	Science Education						
e.	Technology Education [excluding Computer-related						
	subject(s)]						
f.	Computer-related Subject(s)						
g.	Personal, Social & Humanities Education						
h.	Arts Education (including Visual Arts and Music)						
i.	Physical Education						
j.	Liberal Studies for Senior Secondary Levels						
k.	Others [e.g. Library period, Religious Studies (Please						
	specify:)]						

Excluding Computer & Information Technology / Information & Communication Technology subjects offered for upper forms.

47

15. Please complete the following regarding teachers' use of IT for learning / teaching based on the information collated:

	Please complete the		egarain	g teachers' use of				normation co	natea:
Su	bject / KLA	No. of		1	N	o. of Teachers who			
		Teachers	be	have used	have				have assigned
		Represented	confident	emerging	used <u>IT</u>	Depository of	free-of-charge	off-line or	students to use
			or very	technology (e.g.	for	Curriculum-based	resources other	on-line	IT to perform
			confident	Web 2.0	learning /	Learning &	than the	fee-charging	learning tasks
			in using	technology such as	teaching	Teaching Resources	mentioned	resources for	beyond schoo
			IT for	Blog, Wiki and	in the	developed by EDB	<b>Depository</b> for	learning /	<b>hours</b> in the
			learning /	Podcast) for	past	for learning /	learning / teaching	teaching in the	past month
			teaching	learning / teaching	month	teaching in the past		past month	
						month	-		
c.	Chinese Language Education (including								
	Putonghua)								
b.	English Language								
	Education								
c.	Mathematics Education								
d.	Science Education								
e.	Technology Education [excluding Computer-related								
	subject(s)]								
f.	Computer-related Subject(s)								
g.	Personal, Social & Humanities Education								
h.	(including Visual Arts and Music)								
i.	Physical Education								
j.	Liberal Studies for Senior Secondary Levels								
k.	Others [e.g. Library period, Religious Studies (Please specify:)]								

16. Please indicate your perception of students' level of competency in the following: (The percentages given below are for the sake of achieving better understanding of the descriptors such as 'Very competent' and 'Competent'. No computation is needed for this question.)

Co	mpetency	Very competent (76-100%)	Competent (51-75%)	Fairly competent (26-50%)	Not competent (1-25%)	Totally not competent (0%)	
a.	Information search						
b.	Information selection						
c.	Information collation & analysis						
d.	Reporting & presentation						
e.	Proper use of IT (e.g. Internet security,						
	Intellectual Property awareness, Personal Data						
	Privacy awareness)						
f.	Computer operation skills						
g.	Chinese characters input						
h.	Use of digital resources						
i.	Use of emerging technical device(s) [e.g.						
	mobile phone, PDA]						
j.	Others (Please specify:)						

17. In <u>the last school year</u>, did your school / Parent-Teacher Association in your school organise the following activities or carry out the following measures to encourage parents' participation in related work of ITEd in school:

	Activity(ies) / Measure(s)	Yes	No
a. Encouraged parents	to visit the school website / Intranet so as to understand the situation		
(e.g. development of	of ITEd) in school		
b. Provided ITEd-rela	ted activities for parents		
c. Explained the work	of ITEd in school to parents		
d. Encouraged parents	to instill the proper principles, values and attitude in the use of IT into		
their child(ren)			
e. Others (Please spec	ify:)		

18.	According to the most recent inform	nation, plo	ease indicate the percentage (to	the <u>n</u> e	<u>earest integer</u> ) <sub>'</sub>	of students who <u>H</u>	<u>AVE</u> :
	a. Computer access at home						
	b. Internet access at home						
19.	Which of the following facilities / se	rvices ar	e most needed to provide an en	viron	ment conduciv	ve to ITEd: (Please	choose
	the three most needed items)						
	Multi-media computer rooms		nhanced broadband Internet onnection		e-Learning res	sources	
	Computers and projectors in classrooms		rireless network		IT Manageme	ent Tools	
	Interactive electronic whiteboards		chool campus TV		Enhanced on-s	site technical suppo	rt
	Mobile learning devices [e.g. Personal Digital Assistant (PDA), Pocket Personal Computer (PC),	□ e-	mail system			atform / Learning System (LMS)	
	Netbook, etc]	□ O	thers (Please specify:			)	
	(You may choose more than one opt  ☐ Training courses ☐ Special lectures ☐ Training camps ☐ Others (Please specify:		□ Seminars □ Workshops □ School visits			)	
21.	Please indicate your school's overall	level of s	atisfaction with ITEd or ITEd o	develo	opment in your	r school.	
	-	isfied	☐ Fairly satisfied ☐ No		_	Totally not satisfied	Į.
22.	Please express your school's expect professional support, etc) on ITEd o			suppo	ort, parental si	upport, resource s	upport,

#### Appendix 9: Ouestionnaire for Special School Mainstream Curriculum Sector (RS2EME) Please give the total of each of the following: b. Total no. of students: No. of approved classes: Total no. of classrooms (excluding special rooms and laboratories): Total no. of special rooms and laboratories [excluding library(ies)]: Please give the total of each of the following items (Put "0" for the total if there is no such item): **Items** Total a. No. of computers [desktop & notebook (including netbook)] Desktop: Notebook: b. No. of computers [desktop & notebook (including netbook)] for **student use** Desktop: Notebook: No. of computers & digital projectors in All classrooms (excluding special rooms Computer: Projector: and laboratories) No. of computers & digital projectors in **All** special rooms and laboratories Projector: Computer: [excluding library(ies)] No. of computers in school library for student use No. of computer room(s) opened and computers available for **student use beyond** Computer Computer: school hours Room: No. of opening hours (to the **nearest 0.5**) that computer room(s) is(are) opened for student use beyond school hours per week h. Average no. of students using computers in computer room(s) **beyond school** hours per day Average no. of hours (to the **nearest 0.5**) that each student uses computer in computer room(s) beyond school hours per day No. of electronic whiteboards k. No. of digital projectors for mobile use 1. No. of other digital devices [e.g. Personal Digital Assistant (PDA), eBook reader] used as mobile learning devices (Please specify: m. No. of teacher(s) responsible for coordinating ITEd development n. No. of IT technical support services (TSS) staff member(s) (non-teaching staff employed for providing IT technical support) o. No. of ITEd team members [excluding TSS staff member(s)] p. Annual ITEd expenditure (to the **nearest 1000**) on average (with reference to the last 2 years' school records) □ 301,000-400,000 □ 0-200,000 □ 201,000-250,000 □ 251,000-300,000 401,000-600,000 601,000-800,000 >800,000 (Please specify: q. Percentage (to the nearest integer) of school annual expenditure (excluding teaching staff salaries) spent on ITEd on average (with reference to the last 2 years' school records) Please indicate the availability of the following in your school: **Items** Yes No School homepage School Intranet e-Learning platform / Learning Management System (LMS) Teachers' homepage(s) Students' homepage(s) Campus TV Other Internet service(s) [Please specify (e.g. blog): Wi-Fi connectivity within school campus Please indicate the bandwidth of Internet connectivity in your school: <25 Mb 25 - <50 Mb □ 50 - <100 Mb □ 100 Mb □ >100 Mb (Please specify:

□ a separate plan

 $\supset$  3 years (Please specify:

Please indicate if there is any ITEd Development Plan in your school:

 $\Box$  an integral part of school development plan (*Go to Q5c*)

Duration of the **separate** ITEd development plan on average

 $\Box$  3 years

Evaluation mechanism(s) on the development of ITEd is(are) available

 $\square$  No (Go to Q7)

 $\Box$  2 years

□ No

Yes

□ Yes

It is formulated as

50

Goals	<b>T</b> 7		Not important	7D 4 33 4
a. To improve students' learning outcomes	ппроглапі	ппроглапа	ппроглапа	Important
b. To enhance students' understanding of subject content				
c. To provide suitable learning activities according to needs of individual students				
d. To strengthen students' initiative, independence and sense of responsibility in learning				
e. To strengthen / develop students' generic skills (e.g. analytical skills, creativity, & collaboration skills)				
f. To meet the expectations of parents				
g. To meet the expectations of the community				
h. To improve communication & cooperation among school, parents & the community				
i. To provide guidance / briefing sessions so as to prepare students for further studies / future careers				
j. To promote cross-subject / curricular collaboration activities for enhancing students' learning				
k. To foster students' information literacy (IL)				
1. To promote learning through assessment				
m. Others (Please specify:)				

7. Please indicate the area(s) that your school has deployed IT [e.g. e-System(s) / Mechanism(s)] to facilitate work flow and specify related e-system(s) / mechanism(s) used (if any):

	Area(s)	Yes	e-System(s) / Mechanism(s) used	No
a.	To capture students' attendance (excluding WebSAMS, e.g. SmartCard)			
b.	To handle cash transactions			
c.	To facilitate communication (e.g. e-mail system, SMS) amongst relevant stakeholders (e.g. teachers, students, parents, alumni)			
d.	To manage ITEd-related resources (e.g. inventory updates, storage / sharing of learning / teaching resources, maintenance of records)			
	To manage booking of ITEd-related resources (e.g. rooms & IT facilities)			
f.	To manage students' learning records including other learning experiences			
	(excluding WebSAMS, e.g. e-portfolio, LMS)			
g.	Others (Please specify:)			

### 8. Please indicate the type(s) of measure(s) / scheme(s) that your school has deployed to enhance students' learning effectiveness:

	Measure(s) / Scheme(s)	Yes	No
a.	Provision of free-of-charge learning resources		
	[Please specify the source(s):		
b.	Provision of off-line or on-line fee-charging resources		
	[Please specify related subject(s):		
c.	Provision of on-line exercise(s) / test database or item bank(s)		
	(If Yes, please indicate whether qualitative feedback from teachers is available:		
d.	Provision of communication platform / tool(s) (e.g. e-mail, discussion forum, blog, chat room) to		
	enhance interaction among students and teachers (Please specify the means:		
e.	Teachers are requested to include IT elements in subject- / KLA-based plan(s) as appropriate		
f.	Teachers are requested to include IT elements in learning activity(ies) (e.g. project- / enquiry-based)		
g.	Students are requested to submit assignment(s) via on-line means (e.g. e-mail, e-Learning platform,		
	LMS) (Please specify the means:		
h.	Others (Please specify:)		

	Measure(s) / Scheme(s)	Yes	No
a.	Seminar(s) / course(s) for students to enhance their IL		
b.	Seminar(s) / course(s) for parents to help their child(ren) develop their IL		
c.	Provision of guidelines on use of IT for teachers		
d.	Provision of guidelines on use of IT for students		
e.	IL is instilled in students through teaching activities of different subjects		
f.	IL is being taught as an independent subject		
g.	IL is integrated into the Computer / IT curriculum		
h.	Others (Please specify:)		

	Measure(s) / Scheme(s)	Yes	No
a.	Computers / facilities [excluding those in computer room(s)] available at school for student use		
	beyond school hours		
b.	Portable computers on loan to needy students for use at home		
c.	Needy students encouraged to apply to join EDB Computer Recycling Programme		
d.	Needy students encouraged to apply for computers from other organisations [e.g. non-governmental		
	organisations (NGOs), IT industries]		
e.	Financial support given to disadvantaged students for Internet access at home		
f.	Call for donation of / recycled computers from students / parents		
g.	Others (Please specify:		

11. Please indicate the type(s) of measure(s) / scheme(s) that your school deployed to promote staff professional development on ITEd last school year:

	Measure(s) / Scheme(s)	Yes	No
a.	Sharing session(s) organised for teachers within school		
b.	Sharing session(s) organised for teachers with other schools		
c.	Seminar(s) / course(s) / workshop(s) conducted by tertiary institutions / NGO(s) / IT industries for		
	teachers		
d.	Staff development programme(s) conducted on-site by EDB		
e.	School visit(s)		
f.	Incentive scheme(s) (Please specify:)		
g.	Others (Please specify:)		

12. Please indicate the collaborative project(s) / activity(ies) that your school has launched with other organisation(s) on the use of IT for learning / teaching:

	Project(s) / Activity(ies)	Yes	No
a.	Training course(s) / seminar(s) / workshop(s) / sharing session(s)		
b.	School visit(s)		
c.	Joint publications		
d.	Development and / or trial use of e-learning resource(s)		
e.	Development of IT tool(s) / system(s) to facilitate learning / teaching		
f.	Development of IT tool(s) / system(s) to facilitate administration / management work		
g.	Development of emerging technological device(s) for learning / teaching		
h.	Others (Please specify:)		

13. Please indicate how Computer / IT skills (i.e. technical skills, not Information Literacy) are taught in your school for the current school year:

	Teaching Mode(s)	Yes	No
a	. Computer / IT is offered as a discrete subject		
b	computer / IT skills are integrated into the school curriculum (i.e. across different disciplines)		
С	c. Computer / IT skills are integrated into extra-curricular activities		
d	d. Others (Please specify:)		

Please refer to "Response Forms for Q14 & Q15 in Questionnaire" (i.e. Appendix 2 to Project Team's invitation letter) collated from panel heads and/or subject / KLA teacher representatives, and complete Q14 and Q15 accordingly.

	jor inis question.)						
	Subject / KLA	Always (76-100%)	A lot (51-75%)	Sometimes (26-50%)	Rarely (1-25%)	Never (0%)	Not applicable
a.	Chinese Language Education (including Putonghua)						
b.	English Language Education						
c.	Mathematics Education						
d.	General Studies / Science Education						
e.	Technology Education [excluding Computer-related subject(s)]						
f.	Computer-related Subject(s)						
g.	Personal, Social & Humanities Education						
h.	Arts Education (including Visual Arts and Music)						
i.	Physical Education						
j.	Practical Skills (including Life Skills Training)						
k.	Liberal Studies for Senior Secondary Levels (including						
	Independent Living Skills)						
1.	Others [e.g. Library period, Religious Studies (Please						
	specify:)]						

Teachers   Represented   Part   Par	15. Please complete th		regardin	g teachers' use o				nformation co	llated:
Represented on fident lemerging or verv technology (e.g. confident)  a. Chinese Language Education (including Putongha)  b. English Language Education  c. Mathematics Education  c. General Studies / Science Education  d. General Studies / Science Education  f. Computer-related Subject(s)  p. Personal, Social & Humanities Education  h. Arts Education  f. Computer-related Skills  p. Personal, Social & Humanities Education  h. Arts Education  f. Computer-related Skills  p. Personal, Social & Humanities Education  f. Computer-related Skills  f. Computer-Relate	Subject / KLA	No. of			N				
Personal Social & Humanities Education   Computer-related subject(s)   Personal Social & Humanities Education   Computer-related subject(s)   Personal Social & Humanities Education   Personal Perso			~ ~						have assigned
Confident   Web 2.0   earning /   Earning &		Represented			used <u>IT</u>	Depository of	free-of-charge	off-line or	students to use
In using 1 February					-		resources other	-	IT to perform
Trigon   Blog, Wiki and   learning / Podeast) for   learning / Podeast) for   learning / learning									learning tasks
learning / Podcast) for teaching learning / teaching month teaching in the past month pa			_	0.	_				beyond school
teaching learning / teaching month teaching in the past in the past month month  a. Chinese Language Education (including Putonghua)  b. English Language Education  c. Mathematics Education  d. General Studies / Science Education  e. Technology Education [excluding Computer-related subject(s)]  f. Computer-related Subject(s)  g. Personal, Social & Humanities Education  h. Arts Education (including Visual Arts and Music)  j. Physical Education  j. Practical Skills (including Life Skills Training)  k. Liberal Studies for Senior Secondary Levels(including Independent Living Skills)  l. Others [e.g. Library period, Religious services are searched as a search of the past month month month  reaching in the past in the past in the past month month  reaching in the past in the past month month  reaching in the past in the past month month  reaching in the past in the past month month  reaching in the past in the past month month  reaching in the past in the past month month  reaching in the past month  reaching in the past month month  reaching in the past m					in the				hours in the
a. Chinese Language Education (including Putonghua)  b. English Language Education  c. Mathematics Education  d. General Studies / Science Education  e. Technology Education [excluding Computer-related subject(s)]  f. Computer-related Subject(s)  g. Personal, Social & Humanities Education  h. Arts Education  i. Physical Education  j. Physical Education  j. Practical Skills (including Life Skills Training)  k. Liberal Studies for Senior Secondary Levels(including Independent Living Skills)  1. Others [e.g. Library period, Religious								_	past month
a. Chinese Language Education (including Putonghua)  b. English Language Education  c. Mathematics Education  d. General Studies / Science Education  e. Technology Education [excluding Computer-related subject(s)]  f. Computer-related Subject(s)  g. Personal, Social & Humanities Education  h. Arts Education (including Visual Arts and Music)  i. Physical Education j. Practical Skills (including Life Skills (including Life Skills Training)  k. Liberal Studies for Senior Secondary Levels(including Independent Living Skills)  1. Others [e.g. Library period, Religious			teaching	learning / teaching	month		in the past month	past month	
Education (including Putonghua)  b. English Language Education  c. Mathematics Education  d. General Studies / Science Education  e. Technology Education [excluding Computer-related subject(s)]  f. Computer-related Subject(s)  g. Personal, Social & Humanities Education (including Visual Arts and Music)  i. Physical Education j. Practical Skills (including Life Skills Training)  k. Liberal Studies for Senior Secondary Levels(including Independent Living Skills) I. Others [e.g. Library period, Religious	~					month			
Putonghua) b. English Language Education c. Mathematics Education d. General Studies / Science Education [excluding Computer-related subject(s)] f. Computer-related Subject(s) g. Personal, Social & Humanities Education (including Visual Arts and Music) i. Physical Education j. Practical Skills (including Life Skills Training) k. Liberal Studies for Senior Secondary Levels(including Independent Living Skills) I. Others [e.g. Library period, Religious]									
b. English Language Education  c. Mathematics Education  d. General Studies / Science Education e. Technology Education [computer-related subject(s)]  f. Computer-related Subject(s)  g. Personal, Social & Humanities Education (including Visual Arts and Music)  i. Physical Education j. Practical Skills (including Life Skills Training)  k. Liberal Studies for Senior Secondary Levels(including Independent Living Skills) I. Others [e.g. Library period, Religious]									
Education  C. Mathematics Education  d. General Studies / Science Education  e. Technology Education [excluding Computer-related subject(s)]  f. Computer-related Subject(s)  g. Personal, Social & Humanities Education (including Visual Arts Education (including Visual Arts and Music)  i. Physical Education j. Practical Skills (including Life Skills Training)  k. Liberal Studies for Senior Secondary Levels(including Independent Living Skills) (inchers [e.g. Library period, Religious									
Education  d. General Studies / Science Education e. Technology Education [excluding Computer-related subject(s)] f. Computer-related Subject(s) g. Personal, Social & Humanities Education (including Visual Arts and Music) i. Physical Education j. Practical Skills (including Life Skills Training) k. Liberal Studies for Senior Secondary Levels (including Usival Skills) l. Others [e.g. Library period, Religious]	Education								
d. General Studies / Science Education e. Technology Education [excluding Computer-related subject(s)] f. Computer-related Subject(s) g. Personal, Social & Humanities Education (including Visual Arts Education (including Visual Arts and Music) i. Physical Education j. Practical Skills (including Life Skills Training) k. Liberal Studies for Senior Secondary Levels (including Independent Living Skills) I. Others [e.g. Library period, Religious	, <del>.</del> .								
Science Education  e. Technology Education [excluding Computer-related subject(s)]  f. Computer-related Subject(s)  g. Personal, Social & Humanities Education  h. Arts Education (including Visual Arts and Music)  i. Physical Education j. Practical Skills (including Life Skills Training)  k. Liberal Studies for Senior Secondary Levels(including Independent Living Skills)  1. Others [e.g. Library period, Religious	~								
e. Technology Education [excluding Computer-related subject(s)]  f. Computer-related Subject(s)  g. Personal, Social & Humanities Education  h. Arts Education (including Visual Arts and Music)  i. Physical Education j. Practical Skills (including Life Skills Training)  k. Liberal Studies for Senior Secondary Levels(including Independent Living Skills)  1. Others [e.g. Library period, Religious]									
[excluding Computer-related subject(s)]  f. Computer-related Subject(s)  g. Personal, Social & Humanities Education  h. Arts Education (including Visual Arts and Music)  i. Physical Education j. Practical Skills (including Life Skills Training)  k. Liberal Studies for Senior Secondary Levels(including Independent Living Skills)  I. Others [e.g. Library period, Religious]	T 1 1 T1								
subject(s)  f. Computer-related Subject(s)  g. Personal, Social & Humanities Education h. Arts Education (including Visual Arts and Music) i. Physical Education j. Practical Skills (including Life Skills Training) k. Liberal Studies for Senior Secondary Levels(including Independent Living Skills) I. Others [e.g. Library period, Religious	excluding								
f. Computer-related Subject(s)  g. Personal, Social & Humanities Education h. Arts Education (including Visual Arts and Music) i. Physical Education j. Practical Skills (including Life Skills Training)  k. Liberal Studies for Senior Secondary Levels(including Independent Living Skills) 1. Others [e.g. Library period, Religious									
Subject(s)  g. Personal, Social & Humanities Education  h. Arts Education (including Visual Arts and Music)  i. Physical Education j. Practical Skills (including Life Skills Training)  k. Liberal Studies for Senior Secondary Levels(including Independent Living Skills)  1. Others [e.g. Library period, Religious									
g. Personal, Social & Humanities Education h. Arts Education (including Visual Arts and Music) i. Physical Education j. Practical Skills (including Life Skills Training) k. Liberal Studies for Senior Secondary Levels(including Independent Living Skills) 1. Others [e.g. Library period, Religious									
Humanities Education h. Arts Education (including Visual Arts and Music) i. Physical Education j. Practical Skills (including Life Skills Training) k. Liberal Studies for Senior Secondary Levels(including Independent Living Skills) I. Others [e.g. Library period, Religious	D 10:10								
(including Visual Arts and Music)  i. Physical Education  j. Practical Skills (including Life Skills Training)  k. Liberal Studies for Senior Secondary Levels(including Independent Living Skills)  1. Others [e.g. Library period, Religious									
Arts and Music)  i. Physical Education  j. Practical Skills (including Life Skills Training)  k. Liberal Studies for Senior Secondary Levels(including Independent Living Skills)  1. Others [e.g. Library period, Religious									
i. Physical Education  j. Practical Skills (including Life Skills Training)  k. Liberal Studies for Senior Secondary Levels(including Independent Living Skills)  l. Others [e.g. Library period, Religious	(including Visual								
j. Practical Skills (including Life Skills Training)  k. Liberal Studies for Senior Secondary Levels(including Independent Living Skills)  l. Others [e.g. Library period, Religious									
(including Life Skills Training)  k. Liberal Studies for Senior Secondary Levels(including Independent Living Skills)  1. Others [e.g. Library period, Religious	- 1 4 24 144								
Training)  k. Liberal Studies for Senior Secondary Levels(including Independent Living Skills)  l. Others [e.g. Library period, Religious	(including Life Skills								
Senior Secondary Levels(including Independent Living Skills)  1. Others [e.g. Library period, Religious	Training)								
Levels(including Independent Living Skills)  1. Others [e.g. Library period, Religious									
Independent Living Skills)  1. Others [e.g. Library period, Religious									
Skills)  1. Others [e.g. Library period, Religious	Independent Living								
period, Religious	Skills)								
Studies (Please	Studies (Please								
specify: )]	specify:	ıl							

16. Please indicate your perception of students' level of competency in the following: (The percentages given below are for the sake of achieving better understanding of the descriptors such as 'Very competent' and 'Competent'. No computation is needed for this question.)

Competency	Very competent (76-100%)	Competent (51-75%)	Fairly competent (26-50%)	Not competent (1-25%)	Totally not competent (0%)	NAT
a. Information search						
b. Information selection						
c. Information collation & analysis						
d. Reporting & presentation						
e. Proper use of IT (e.g. Internet security, Intellectual Property awareness, Personal Data Privacy awareness)						
f. Computer operation skills						
g. Chinese characters input						
h. Use of digital resources						
i. Use of emerging technical device(s) [e.g. mobile phone, PDA]						
j. Others (Please specify:)						

17. In the last school year, did your school / Parent-Teacher Association in your school organise the following activities or carry out the following measures to encourage parents' participation in related work of ITEd in school:

	Activity(ies) / Measure(s)	Yes	No
	ncouraged parents to visit the school website / Intranet so as to understand the situation		
	e.g. development of ITEd) in school		
b. P	rovided ITEd-related activities for parents		
	xplained the work of ITEd in school to parents		
d. E	ncouraged parents to instill the proper principles, values and attitude in the use of IT into		
th	eir child(ren)		

	e. Others (Please specify:				)
18.	According to the most recent inform  a. Computer access at home  b. Internet access at home	ation	, please indicate the percentage (t 	o the <u>n</u>	nearest integer) of students who HAVE:
19.	Which of the following facilities / se the three most needed items)	rvices	are most needed to provide an e	enviror	nment conducive to ITEd: (Please choose
	Multi-media computer rooms		Enhanced broadband Internet connection		e-Learning resources
	Computers and projectors in classrooms		Wireless network		IT Management Tools
	Interactive electronic whiteboards		School campus TV		Enhanced on-site technical support services
	Mobile learning devices [e.g. Personal Digital Assistant (PDA), Pocket Personal Computer (PC), Netbook, etc]		e-mail system		e-Learning platform / Learning Management System (LMS)
	Assistive technology device(s) (e.g. keyboards with enlarged keytops, braille display device, etc.)		Others (Please specify:		)
20.	Which of the following mode(s) of (You may choose more than one option of the courses)    Special lectures   Training camps   Others (Please specify:				is(are) more preferable to your school:
21.	Please indicate yours school's overal	ll leve	l of satisfaction with ITEd or ITE	d deve	elopment in your school.
	□ Very satisfied □ Sati	sfied	□ Fairly satisfied □	Not sat	tisfied
22.	Please express your school's <u>expect</u> professional support, etc) on ITEd o	ations r ITE	(e.g. types & modes of technica d development in the space below	ıl supp v.	ort, parental support, resource support,

#### Appendix 10: Ouestionnaire for Special School Special Curriculum Sector (RS2ESE) Please give the total of each of the following: b. Total no. of students: No. of approved classes: Total no. of classrooms (excluding special rooms and laboratories): Total no. of special rooms and laboratories [excluding library(ies)]: Please give the total of each of the following items (Put "0" for the total if there is no such item): **Items** Total a. No. of computers [desktop & notebook (including netbook)] Desktop: Notebook: b. No. of computers [desktop & notebook (including netbook)] for **student use** Desktop: Notebook: No. of computers & digital projectors in All classrooms (excluding special rooms Computer: Projector: and laboratories) No. of computers & digital projectors in **All** special rooms and laboratories Projector: Computer: [excluding library(ies)] No. of computers in school library for student use No. of computer room(s) opened and computers available for **student use beyond** Computer Computer: school hours Room: No. of opening hours (to the **nearest 0.5**) that computer room(s) is(are) opened for student use beyond school hours per week h. Average no. of students using computers in computer room(s) **beyond school** hours per day Average no. of hours (to the **nearest 0.5**) that each student uses computer in computer room(s) beyond school hours per day No. of electronic whiteboards k. No. of digital projectors for mobile use 1. No. of other digital devices [e.g. Personal Digital Assistant (PDA), eBook reader] used as mobile learning devices (Please specify: m. No. of teacher(s) responsible for coordinating ITEd development n. No. of IT technical support services (TSS) staff member(s) (non-teaching staff employed for providing IT technical support) o. No. of ITEd team members [excluding TSS staff member(s)] p. Annual ITEd expenditure (to the **nearest 1000**) on average (with reference to the last 2 years' school records) □ 301,000-400,000 □ 0-200,000 □ 201,000-250,000 □ 251,000-300,000 401,000-600,000 601,000-800,000 >800,000 (Please specify: q. Percentage (to the nearest integer) of school annual expenditure (excluding teaching staff salaries) spent on ITEd on average (with reference to the last 2 years' school records) Please indicate the availability of the following in your school: **Items** Yes No School homepage School Intranet e-Learning platform / Learning Management System (LMS) Teachers' homepage(s) Students' homepage(s) Campus TV Other Internet service(s) [Please specify (e.g. blog): Wi-Fi connectivity within school campus Please indicate the bandwidth of Internet connectivity in your school: <25 Mb 25 - <50 Mb $\Box$ 50 - <100 Mb □ 100 Mb □ >100 Mb (Please specify:

□ a separate plan

 $\supset$  > 3 years (Please specify:

Please indicate if there is any ITEd Development Plan in your school:

 $\Box$  an integral part of school development plan (*Go to Q5c*)

Duration of the **separate** ITEd development plan on average

 $\Box$  3 years

Evaluation mechanism(s) on the development of ITEd is(are) available

 $\square$  No (Go to Q7)

 $\Box$  2 years

□ No

Yes

□ Yes

It is formulated as

	Goals	Very	Important	Fairly	Not	<b>Totally not</b>
		important	Important	important	important	important
a.	To improve students' learning outcomes					
b.	To enhance students' understanding of subject content					
c.	To provide suitable learning activities according to needs					
	of individual students					
d.	To strengthen students' initiative, independence and					
	sense of responsibility in learning					
e.	To strengthen / develop students' generic skills (e.g.					
	analytical skills, creativity, & collaboration skills)					
f.	To meet the expectations of parents					
g.	To meet the expectations of the community					
h.	To improve communication & cooperation among					
	school, parents & the community					
i.	To provide guidance / briefing sessions so as to prepare					
	students for further studies / future careers					
j.	To promote cross-subject / curricular collaboration					
	activities for enhancing students' learning					
k.	To foster students' information literacy (IL)					
1.	To promote learning through assessment					
m.	Others (Please specify:)					

7. Please indicate the area(s) that your school has deployed IT [e.g. e-System(s) / Mechanism(s)] to facilitate work flow and specify related e-system(s) / mechanism(s) used (if any):

	Area(s)	Yes	e-System(s) / Mechanism(s) used	No
a.	To capture students' attendance (excluding WebSAMS, e.g. SmartCard)			
b.	To handle cash transactions			
c.	To facilitate communication (e.g. e-mail system, SMS) amongst relevant stakeholders (e.g. teachers, students, parents, alumni)			
d.	To manage ITEd-related resources (e.g. inventory updates, storage / sharing of learning / teaching resources, maintenance of records)			
	To manage booking of ITEd-related resources (e.g. rooms & IT facilities)			
f.	To manage students' learning records including other learning experiences			
	(excluding WebSAMS, e.g. e-portfolio, LMS)			
g.	Others (Please specify:)			

### 8. Please indicate the type(s) of measure(s) / scheme(s) that your school has deployed to enhance students' learning effectiveness:

	Measure(s) / Scheme(s)	Yes	No
a.	Provision of free-of-charge learning resources		
	[Please specify the source(s):		
b.	Provision of off-line or on-line fee-charging resources		
	[Please specify related subject(s):		
c.	Provision of on-line exercise(s) / test database or item bank(s)		
	(If Yes, please indicate whether qualitative feedback from teachers is available:		
d.	Provision of communication platform / tool(s) (e.g. e-mail, discussion forum, blog, chat room) to		
	enhance interaction among students and teachers (Please specify the means:)		
e.	Teachers are requested to include IT elements in subject- / KLA-based plan(s) as appropriate		
f.	Teachers are requested to include IT elements in learning activity(ies) (e.g. project- / enquiry-based)		
g.	Students are requested to submit assignment(s) via on-line means (e.g. e-mail, e-Learning platform,		
	LMS) (Please specify the means:		
h.	Others (Please specify:)		

	Measure(s) / Scheme(s)	Yes	No
a.	Seminar(s) / course(s) for students to enhance their IL		
b.	Seminar(s) / course(s) for parents to help their child(ren) develop their IL		
c.	Provision of guidelines on use of IT for teachers		
d.	Provision of guidelines on use of IT for students		
e.	IL is instilled in students through teaching activities of different subjects		
f.	IL is being taught as an independent subject		
g.	IL is integrated into the Computer / IT curriculum		
h.	Others (Please specify:)	·	

	Measure(s) / Scheme(s)	Yes	No
a.	Computers / facilities [excluding those in computer room(s)] available at school for student use		
	beyond school hours		
b.	Portable computers on loan to needy students for use at home		
c.	Needy students encouraged to apply to join EDB Computer Recycling Programme		
d.	Needy students encouraged to apply for computers from other organisations [e.g. non-governmental organisations (NGOs), IT industries]		
e.			
f.	Call for donation of / recycled computers from students / parents		
g.	Others (Please specify:		

11. Please indicate the type(s) of measure(s) / scheme(s) that your school deployed to promote staff professional development on ITEd last school year:

0	11 Eu iust school yeur.		
	Measure(s) / Scheme(s)	Yes	No
a.	Sharing session(s) organised for teachers within school		
b.	Sharing session(s) organised for teachers with other schools		
c.	Seminar(s) / course(s) / workshop(s) conducted by tertiary institutions / NGO(s) / IT industries for		
	teachers		
d.	Staff development programme(s) conducted on-site by EDB		
e.	School visit(s)		
f.	Incentive scheme(s) (Please specify:)		
g.	Others (Please specify:)		

12. Please indicate the collaborative project(s) / activity(ies) that your school has launched with other organisation(s) on the use of IT for learning / teaching:

	Project(s) / Activity(ies)	Yes	No
a.	Training course(s) / seminar(s) / workshop(s) / sharing session(s)		
b.	School visit(s)		
c.	Joint publications		
d.	Development and / or trial use of e-learning resource(s)		
e.	Development of IT tool(s) / system(s) to facilitate learning / teaching		
f.	Development of IT tool(s) / system(s) to facilitate administration / management work		
g.	Development of emerging technological device(s) for learning / teaching		
h.	Others (Please specify:)		

13. Please indicate how Computer / IT skills (i.e. technical skills, not Information Literacy) are taught in your school for the current school year:

	Teaching Mode(s)	Yes	No
a.	Computer / IT is offered as a discrete subject		
b.	Computer / IT skills are integrated into the school curriculum (i.e. across different disciplines)		
c.	Computer / IT skills are integrated into extra-curricular activities		
d.	Others (Please specify:		

Please refer to "Response Forms for Q14 & Q15 in Questionnaire" (i.e. Appendix 2 to Project Team's invitation letter) collated from panel heads and/or subject / KLA / Area of Learning representatives, and complete Q14 and Q15 accordingly.

Subject / KLA / Area of Learning	Always (76-100%)	<b>Sometimes</b> (26-50%)		Not applicable
a. Language				
b. Mathematics				
c. General Studies				
d. Technology Education [excluding Computer-related				
subject(s)]				
e. Computer-related Subject(s)				
f. Arts Education (including Visual Arts and Music)				
g. Physical Education				
h. Practical Skills (including Self-care & Perceptual Motor				
Training)				
i. Liberal Studies for Senior Secondary Levels (including				
Independent Living Skills)				
j. Others [Please specify (e.g. Library Period, Religious				
Studies, etc):				

15. Please complete the following regarding teachers' use of IT for learning / teaching based on the information collated: No. of Subject / KLA / Area No. of Teachers who Reported to of Learning Teachers have used have used have assigned have have used have used Represented confident emerging used IT Depository of free-of-charge off-line or students to use technology (e.g. Curriculum-based resources other on-line IT to perform or verv for confident Web 2.0 learning / Learning & than the fee-charging learning tasks beyond school n using technology such as teaching **Teaching Resources** mentioned resources for developed by EDB **Depository** for Blog, Wiki and T for in the learning / hours in the earning / teaching teaching in the Podcast) for for learning / learning oast ast month teaching learning / teaching teaching in the pastin the past month month past month month a. Language b. Mathematics General Studies Technology
Education [excluding Computer-related subject(s)] Computer-related Subject(s) Arts Education (including Visual Arts and Music) Physical Education h. Practical Skills (including Self-care & Perceptual Motor Training)
Liberal Studies for Senior Secondary Levels (including Independent Living Skills) Others [Please specify (e.g. Library Period, Religious Studies, etc): 16. Please indicate your perception of students' level of competency in the following: (The percentages given below are for the sake of achieving better understanding of the descriptor's such as 'Very competent' and 'Competent'. No computation is needed for this question.) Very **Fairly** Not Totally not Competent Not Competency competent competent competent competent (51-75%)applicable (**76-**100%) (26-50%)(1-25%)(0%)Information search Information selection Information collation & analysis C. d. Reporting & presentation Proper use of IT (e.g. Internet security, Intellectual Property awareness, Personal Data Privacy awareness)

e. Proper use of TT (e.g. Internet security, Intellectual Property awareness, Personal Data Privacy awareness)

f. Computer operation skills

g. Chinese characters input

h. Use of digital resources

i. Use of emerging technical device(s) [e.g. mobile phone, PDA]

j. Others (Please specify:

17. In the last school year, did your school / Parent-Teacher Association in your school organise the following activities or carry out the following measures to encourage parents' participation in related work of ITEd in school:

		their child(ren) Others (Please specify:				)			
18.	Acco	ording to the most recent inf Computer access at home	ormation, ple	ease indicate the p	ercentage (to the <u>nea</u>	rest integ	<u>er</u> ) of studer	nts who <u>HAV</u>	<u>E</u> :
	b.	Internet access at home							58

	e three most needed items)  Multi-media computer rooms		Enhanced broadband Internet connection		e-Learning resources
	Computers and projectors in classrooms		Wireless network		IT Management Tools
	Interactive electronic whiteboards		School campus TV		Enhanced on-site technical support services
	Mobile learning devices [e.g. Personal Digital Assistant (PDA), Pocket Personal Computer (PC), Netbook, etc]		e-mail system		e-Learning platform / Learning Management System (LMS)
	Assistive technology device(s) (e.g. keyboards with enlarged keytops, braille display device, etc.)		Others (Please specify:		)
<b>(Y</b>	ou may choose more than one option  ☐ Training courses ☐ Special lectures ☐ Training camps				(are) more preferable to your schoo
	□ Others (Please specify:				
I	□ Others (Please specify: ease indicate your school's <u>overall lev</u>	el of	satisfaction with ITEd or ITEd o	levelop	ment in your school.
I	ease indicate your school's <u>overall lev</u>			levelop ot satisf	

- Phase (I) Study refers to "Phase (I) Study on Evaluating the Effectiveness of the 'Empowering Learning and Teaching with Information Technology' Strategy (2004/2007)".
- Related action no. of the Third Strategy (1-To provide a depository of curriculum-based learning & teaching modules with appropriate digital resources; 2-To continue to sharpen teachers' IT pedagogical skills; 3-To assist schools to draw up and implement school-based IT in education development plans; 4-To enable schools to maintain effective IT facilities; 5-To strength technical support to schools and teachers; 6-To raise parents' information literacy and assist them in guiding children to use IT at home; 7-To continue with the Computer Recycling Scheme; 8-To enhance students' information literacy)
- "ICT" and "IT" are interchangeable
- "ITEd curriculum" refers to the application of IT in learning and teaching of each Key Learning Area (KLA) (including Computer Studies / IT curriculum)
  - a) to develop IT skills, and
  - to foster the development of information literacy (information processing skills and attitude) and generic skills (collaboration skills, communication skills, creativity, critical thinking skills, problem solving skills, self-management skills, study skills, IT skills and numeracy skills).
- e.g. sharpening teachers' IT pedagogical skills, facilitating school's implementation of ITEd, etc.
- Special rooms refer to those rooms mainly used for educational purposes. Each "Remedial Teaching Room" should be counted as one special room.
- vii Excluding computers in staff rooms and general office. Please calculate by: Q2a (no. of computers in staff rooms and general office).
- e.g. MMLC (Multi-media Learning Centre), ITLC (IT Learning Centre), Computer Laboratory
- ix If more than one computer room is opened, please add up the opening hours for each room per week.
- e.g. duties may include planning of IT infrastructure, procurement of ITEd-related facilities, writing of ITEd development plan, design of ITEd curriculum, etc.
- Including expenses on i) Employment of TSS personnel; ii) Internet connectivity & security services; iii) Digital resources for learning & teaching; iv) Replacement / upgrading of school's IT facilities; v) Maintenance of IT facilities; vi) Opening of computer room(s) for student use beyond school hours; vii) IT-related consumables; and viii) Other ITEd-related items
- The percentage can be calculated as follows:

xiii

#### <u>Q2p</u> School's annual expenditure (excluding staff salaries) x 100%

e-Learning platform is a learning system developed on the environment of the Internet / Intranet which provides various learning tools such as learning materials download, assignment submission, on-line tests and learning records, etc.

- xiv e.g. questionnaires survey(s), staff meeting(s), informal meeting(s) with relevant stakeholders
- IL refers to awareness of / competency in: Proper use of IT (e.g. IT security, Intellectual Property, Personal Data Privacy), Information search, Information selection, Information collation & analysis, Reporting & presentation, etc.
- e.g. from EDB, HKEdCity, NGO(s), publisher(s), Internet and/or self-developed by teachers / school
- e.g. cyber ethics Intellectual Property, Personal Data Privacy, Internet Addiction, etc.