

REITEd – Principal' s Questionnaire

	Questionnaires	(%)
Primary schools	105	59.66
Secondary schools	56	31.82
Special schools	15	8.52
Total	176	100.0

1. Age	Primary		Secondary		Special	
	N	(%)	N	(%)	N	(%)
30-39	3	2.86	2	(3.64)	0	(0.00)
40-49	41	(39.05)	26	(47.27)	9	(60.00)
50-59	57	(54.29)	22	(40.00)	4	(26.67)
60 or above	4	(3.81)	5	(9.09)	2	(13.33)

2. Gender	Primary		Secondary		Special	
	N	(%)	N	(%)	N	(%)
Male	56	(54.37)	34	(62.96)	9	(64.29)
Female	47	(45.63)	20	(37.04)	5	(35.71)

3. Including this school year, how many years have you been working as the principal of this school?	Primary		Secondary		Special	
	N	(%)	N	(%)	N	(%)
Less than 2 years	7	(6.73)	9	(16.36)	1	(6.67)
2-5 years	21	(20.19)	10	(18.18)	2	(13.33)
5-10 years	34	(32.69)	14	(25.45)	5	(33.33)
10-20 years	30	(28.85)	13	(23.64)	5	(33.33)
More than 20 years	12	(11.54)	9	(16.36)	2	(13.33)

4. How many years have computers been used by your school for teaching and/or learning activities/ purposes (not including computer lessons)	Primary		Secondary		Special	
	N	(%)	N	(%)	N	(%)
Less than 1 year	14	(14.00)	4	(7.69)	2	(13.33)
1-2 years	34	(34.00)	9	(17.31)	3	(20.00)
2-3 years	30	(30.00)	11	(21.15)	3	(20.00)
3-5 years	11	(11.00)	9	(17.31)	4	(26.67)
More than 5 years	11	(11.00)	19	(36.54)	3	(20.00)

5. Number of students at your school	Primary			Secondary			Special		
	N	mean	(SD)	N	Mean	(SD)	N	Mean	(SD)
	86	729.8	(260.8)	49	1053.7	(256.1)	13	130.5	(36.0)

6 How important were each of the following goals in determining how IT is used at your school?		Primary		Secondary		Special	
		N	(%)	N	(%)	N	(%)
a. To improve students' achievement	Very important	9	(8.65)	11	(20.37)	2	(13.33)
	important	79	(75.96)	31	(57.41)	12	(80.0)
	Not important	16	(15.38)	12	(22.22)	1	(6.67)
b. To increase students' motivation and ability to learn actively	Very important	67	(64.42)	36	(65.45)	10	(66.67)
	important	34	(32.69)	16	(29.09)	5	(33.33)
	Not important	3	(2.88)	3	(5.45)	0	(0.00)
c. To develop students' independence and responsibility for their own learning	Very important	49	(46.67)	33	(58.93)	9	(60.00)
	important	52	(49.52)	21	(37.50)	5	(33.33)
	Not important	4	(3.81)	2	(3.57)	1	(6.67)
d. To develop students' creativity	Very important	56	(53.85)	32	(58.18)	7	(46.67)
	important	46	(44.32)	22	(40.00)	8	(53.33)

	Not important	2	(1.92)	1	(1.82)	0	0.00
e. To develop students' analytical power and problem-solving ability	Very important	79	(75.24)	41	(74.55)	8	(57.14)
	important	26	(24.76)	14	(25.45)	5	(35.71)
	Not important	0	(0.00)	0	(0.00)	1	(7.14)
f. To prepare students for future jobs	Very important	34	(32.38)	14	(25.93)	5	(33.33)
	important	57	(54.29)	38	(70.37)	8	(53.33)
	Not important	14	(13.33)	2	(3.70)	2	(13.33)
g. To provide students with opportunities for drill and practice	Very important	15	(14.42)	10	(18.18)	4	(28.57)
	important	71	(68.27)	32	(58.18)	9	(64.29)
	Not important	18	(17.31)	13	(23.64)	1	(7.14)
h. To provide suitable activities according to individual students' needs	Very important	17	(16.50)	12	(21.43)	7	(50.00)
	important	81	(78.64)	40	(71.43)	7	(50.00)
	Not important	5	(4.85)	4	(7.14)	0	(0.00)
i. To encourage more cooperative and project-based learning	Very important	40	(38.46)	29	53.70	6	(40.00)
	Important	60	(57.69)	24	(44.44)	6	(40.00)
	Not important	4	(3.85)	1	(1.85)	3	(20.00)
j. To encourage curriculum integration and cooperation between subjects in teaching	Very important	18	(17.31)	9	(16.67)	6	(42.86)
	Important	74	(71.15)	32	(59.26)	7	(50.00)
	Not important	12	(11.54)	13	(24.07)	1	(7.14)
k. To make the learning process more interesting	Very important	64	(60.95)	27	(49.09)	8	(57.14)
	Important	40	(38.10)	26	(47.27)	6	(42.86)
	Not important	1	(0.95)	2	(3.64)	0	(0.00)
l. To satisfy parents and the community expectations	Very important	19	(18.10)	10	(18.18)	2	(14.29)
	Important	69	(65.17)	36	(65.45)	10	(71.43)
	Not important	17	(16.19)	9	(16.36)	2	(14.29)
m. Improve communication and cooperation between school, parents and the community	Very important	9	(8.65)	4	(7.41)	3	(21.43)
	Important	75	(72.12)	30	(55.56)	7	(50.00)
	Not important	20	(19.23)	20	(37.04)	4	(28.57)

7a. In the past academic year (1999-2000), did you participate in any of the following activities/exhibition?		Primary		Secondary		Special	
		N	(%)	N	(%)	N	(%)
a1. IT activities/exhibition offered by other schools	Yes	89	(84.76)	44	(78.57)	14	(93.33)
	No	16	(15.24)	12	(21.43)	1	(6.67)

a2. If yes, around _____ times	Primary			Secondary			Special		
	N	Mean	(SD)	N	Mean	(SD)	N	Mean	(SD)
	89	2.9	(1.8)	44	3.1	(1.5)	14	3.4	(2.6)

7b. In the past academic year (1999-2000), did you participate in any of the following activities/exhibitions?		Primary		Secondary		Special	
		N	(%)	N	(%)	N	(%)
b1. IT activities/exhibition offered by the Education Department	Yes	90	(85.71)	45	(80.36)	12	(80.00)
	No	15	(14.29)	11	(19.64)	3	(20.00)

b2. If yes, around _____ times	Primary			Secondary			Special		
	N	Mean	(SD)	N	Mean	(SD)	N	Mean	(SD)
	90	2.1	(1.5)	45	2.0	(1.2)	12	2.8	(2.6)

7c. In the past academic year (1999-2000), did you participate in any of the following exhibition/exhibition?		Primary		Secondary		Special	
		N	(%)	N	(%)	N	(%)
c1. IT activities/exhibition offered by commercial organizations	Yes	65	(61.90)	32	(57.14)	10	(66.67)
	No	40	(38.10)	24	(42.86)	5	(33.33)

c2. If yes, around _____ times	Primary			Secondary			Special		
	N	Mean	(SD)	N	Mean	(SD)	N	Mean	(SD)
	65	1.7	(1.2)	32	1.9	(0.9)	10	1.8	(1.5)

8. Excluding MMLCs and ITCs, did your school apply for any funding with regard to the use of IT for educational purposes/activities from the QEF?		Primary		Secondary		special	
		N	(%)	N	(%)	N	(%)
	Yes	23	(21.90)	29	(51.79)	7	(46.67)
	No	82	(78.10)	27	(48.21)	8	(53.33)

8a. How many projects did the school apply for?	Primary			Secondary			Special		
	N	Mean	(SD)	N	Mean	(SD)	N	Mean	(SD)
	22	1.5	(1.0)	27	1.7	(1.0)	6	1.5	(0.8)
8b. Number of successful applications	Primary			Secondary			Special		
	N	Mean	(SD)	N	Mean	(SD)	N	Mean	(SD)
	20	1.0	(1.0)	26	1.0	(0.7)	5	0.8	(0.4)

8c. Who was responsible for preparing the proposals?		Primary		Secondary		Special	
		N	(%)	N	(%)	N	(%)
	Principal	1	(5.88)	1	(5.00)	0	(0.00)
	Others (Please specify)	0	(0.00)	0	(0.00)	2	(33.33)
	Vice-principal	0	(0.00)	1	(5.00)	0	(0.00)
	IT coordinator	9	(52.94)	6	(30.00)	2	(33.33)
	Teaching staff	7	(41.18)	12	(60.00)	2	(33.33)

9. Did your school apply for any funding from the following entities with regard to the use of IT for educational purposes/activities?		Primary		Secondary		Special	
		N	(%)	N	(%)	N	(%)
a. Alumni	Yes	7	(7.22)	14	(29.17)	0	(0.00)
	No	90	(92.78)	34	(70.38)	12	(100.0)
	Successful	5	(83.33)	13	(100.0)	0	0.00
	Unsuccessful	1	(16.67)	0	(0.00)	0	0.00
b. Parents	Yes	11	(11.46)	13	(27.66)	1	(9.09)
	No	85	(88.54)	34	(72.34)	10	(90.91)
	Successful	9	(100.0)	12	(100.0)	1	(100.0)
	Unsuccessful	0	(0.00)	0	(0.00)	0	(0.00)
c. Community organization/ individuals	Yes	9	(9.28)	13	(26.00)	5	(35.71)
	No	88	(90.72)	37	(74.00)	9	(64.29)
	Successful	6	(75.00)	12	(100.0)	3	(75.00)
	Unsuccessful	2	(25.00)	0	(0.00)	1	(25.00)
d. Quality Education Fund (QEF)	Yes	37	(36.63)	42	(76.36)	8	(57.14)
	No	64	(63.37)	13	(23.64)	6	(42.86)
	Successful	22	(73.33)	23	(82.14)	4	(66.67)

	Unsuccessful	8	(26.67)	5	(17.86)	2	(33.33)
e. Others (Please specify)	Yes	22	(33.33)	28	(68.29)	2	(33.33)
	No	44	(66.67)	13	(31.71)	4	(66.67)
.	Successful	12	(75.00)	14	(82.35)	0	(0.00)
	Unsuccessful	4	(25.00)	3	(17.65)	2	(100.0)

10. Did your school request for any support from the following individuals/organization in the specify areas?		Primary		Secondary		Special	
		N	(%)	N	(%)	N	(%)
a. Alumni							
Requested support	Yes	8	(10.39)	14	(29.79)	1	(11.1)
	No	69	(89.61)	33	(70.21)	8	(88.89)
Hardware	Successful	5	(71.43)	6	(60.00)	0	(0.00)
	Unsuccessful	2	(28.57)	0	(0.00)	0	(0.00)
	Not applicable	0	(0.00)	4	(40.00)	0	(0.00)
IT teaching	Successful	4	(66.67)	5	(55.56)	0	(0.00)
	Unsuccessful	1	(16.67)	0	(0.00)	0	(0.00)
	Not applicable	1	(16.67)	4	(44.44)	0	(0.00)
Extra-curricular activities	Successful	4	(57.14)	8	(72.73)	0	(0.00)
	Unsuccessful	1	(14.29)	1	(9.09)	1	(100.0)
	Not applicable	2	(28.57)	2	(18.18)	0	(0.00)
b. Parents							
Requested support	Yes	16	(19.75)	14	(29.79)	2	(2.22)
	No	65	(80.25)	33	(70.21)	7	(77.78)
Hardware	Successful	7	(53.85)	7	(70.00)	1	(50.00)
	Unsuccessful	2	(15.38)	0	(0.00)	0	(0.00)
	Not applicable	4	(30.77)	3	(30.00)	1	(50.00)
IT teaching	Successful	3	(33.33)	1	(16.67)	1	(0.00)
	Unsuccessful	1	(11.11)	0	(0.00)	0	(0.00)
	Not applicable	5	(55.56)	5	(83.33)	0	(0.00)
Extra-curricular activities	Successful	7	(58.33)	7	(70.00)	1	(100.0)
	Unsuccessful	5	(41.67)	0	(0.00)	0	(0.00)
	Not applicable	0	(0.00)	3	(30.00)	0	(0.00)
c. Commercial Organization							
Requested support	Yes	43	(49.43)	22	(44.90)	3	(27.27)
	No	44	(50.57)	27	(55.50)	8	(72.73)
Hardware	Successful	23	(63.89)	10	(62.50)	3	(100.0)
	Unsuccessful	1	(2.78)	1	(6.25)	0	(0.00)
	Not applicable	12	(3.33)	5	(31.25)	0	(0.00)
IT teaching	Successful	21	(63.64)	9	(75.00)	0	(0.00)
	Unsuccessful	2	(6.06)	1	(8.33)	0	(0.00)
	Not applicable	10	(30.03)	2	(16.67)	1	(100.0)
Extra-curricular activities	Successful	23	(63.89)	9	(60.00)	1	(50.00)
	Unsuccessful	4	(11.11)	0	(0.00)	0	(0.00)
	Not applicable	9	(25.00)	6	(40.00)	1	(50.00)
d. Non-profit making organization							
Requested support	Yes	27	(30.00)	14	(30.43)	2	(20.00)

	No	63	(70.00)	32	(69.57)	8	(80.00)
Hardware	Successful	7	(36.84)	6	(75.00)	2	(100.00)
	Unsuccessful	4	(21.05)	0	(0.00)	0	(0.00)
	Not applicable	8	(42.11)	2	(25.00)	0	(0.00)
IT teaching	Successful	13	(72.22)	4	(66.67)	2	(100.0)
	Unsuccessful	1	(5.56)	0	(0.00)	0	(0.00)
	Not applicable	4	(22.22)	2	(33.33)	0	(0.00)
Extra-curricular activities	Successful	11	(57.89)	9	(90.00)	1	(50.00)
	Unsuccessful	3	(15.79)	0	(0.00)	0	(0.00)
	Not applicable	5	(26.32)	1	(10.00)	1	(50.00)
e. Tertiary institute							
Requested support	Yes	23	(28.40)	12	(27.91)	2	(25.00)
	No	58	(71.60)	31	(72.09)	6	(75.00)
Hardware	Successful	7	(38.89)	2	(28.57)	0	(0.00)
	Unsuccessful	11	(61.11)	5	(71.43)	2	(100.0)
IT teaching	Successful	16	(80.00)	11	(100.0)	2	(100.0)
	Unsuccessful	4	(20.00)	0	(0.00)	0	(0.00)
Extra-curricular activities	Successful	2	(10.53)	2	(22.22)	0	(0.00)
	Unsuccessful	1	(5.26)	1	(11.11)	0	(0.00)
	Not applicable	16	(84.21)	6	(66.67)	2	(100.0)

11. Did the school collaborate with any of the following organizations with respect to IT?		Primary		Secondary		Special	
		N	(%)	N	(%)	N	(%)
a. Local Secondary and Primary schools	Yes	23	(24.21)	24	(48.00)	3	(21.43)
	No	72	(75.79)	26	(52.00)	11	(78.57)
b. Local community organizations/ commercial organizations	Yes	22	(23.40)	18	(34.62)	3	(25.00)
	No	72	(76.60)	34	(65.38)	9	(75.00)
c. Local tertiary institutions	Yes	27	(28.42)	18	(36.00)	6	(42.86)
	No	68	(71.58)	32	(64.00)	8	(57.14)
d. Schools in Mainland China	Yes	2	(2.13)	5	(10.00)	0	(0.00)
	No	92	(97.87)	45	(90.00)	12	(100.0)
e. Community organizations/ Commercial organizations in Mainland China	Yes	1	(1.06)	2	(4.08)	0	(0.00)
	No	93	(98.94)	47	(95.92)	12	(100.0)
f. Tertiary institutions in Mainland China	Yes	0	(0.00)	1	(2.04)	0	(0.00)
	No	93	(100.0)	48	(97.96)	12	(100.0)
g. Overseas schools	Yes	1	(1.06)	2	(4.08)	0	(0.00)
	No	93	(98.94)	47	(95.92)	12	(100.0)
h. Overseas community organizations/ commercial organizations	Yes	0	(0.00)	2	(4.08)	0	(0.00)
	No	94	(100.0)	47	(95.92)	12	(100.0)
i. Overseas tertiary institutions	Yes	1	(1.06)	0	(0.00)	0	(0.00)
	No	93	(98.94)	47	(100.0)	12	(100.0)

13. In relation to using ICT for teaching and learning, is any of the following practiced?		Primary		Secondary		Special	
		N	(%)	N	(%)	N	(%)
a. Use of computers for the provision of drills and tutorials in order to enhance learning outcomes in	Yes	92	(88.46)	54	(98.18)	14	(93.33)

certain subjects							
	No	12	(11.54)	1	(1.82)	1	(6.67)
b. Use of special software or hardware for physically disabled students	Yes	15	(14.71)	12	(21.43)	11	(73.33)
	No	87	(85.29)	44	(78.57)	4	(26.67)
c. Provide special software for gifted students (could be for use after school)	Yes	20	(19.42)	13	(24.07)	1	(7.69)
	No	83	(80.58)	41	(75.93)	12	(92.31)
d. Use remedial programs to provide learning activities that individuals need	Yes	21	(20.39)	16	(29.63)	10	(71.43)
	No	82	(79.61)	38	(70.37)	4	(28.57)
e. Cooperate with other schools through computer networks	Yes	13	(12.62)	22	(40.74)	3	(21.43)
	No	90	(87.38)	32	(59.26)	11	(78.57)
f. Hold technology exhibitions for other schools to participate in	Yes	12	(11.65)	13	(24.53)	3	(21.43)
	No	91	(88.35)	40	(75.47)	11	(78.57)
g. Provide technology courses for parents	Yes	47	(45.19)	41	(77.36)	10	(71.43)
	No	57	(54.81)	12	(22.64)	4	(28.57)
h. Provide technology courses for other people in the community	Yes	4	(3.84)	10	(18.18)	2	(14.29)
	No	100	(96.15)	45	(81.82)	12	(85.71)
i. IT support for people other than teachers and students in the school	Yes	26	(25.74)	14	(26.42)	3	(21.43)
	No	75	(74.26)	39	(73.58)	11	(78.57)

14 How much money does your school plan to spend with regard to ICT in this academic year (2000-2001)?		Primary			Secondary			Special		
		N	(%)		N	(%)		N	(%)	
a. Hardware (including new hardware, internal network, expansions, replacement, etc.)	Yes	85	(92.39)		41	(97.62)		14	(100.0)	
	No	7	(7.61)		1	(2.38)		0	(0.00)	
Expected expenditure	Primary			Secondary			Special			
	N	Mean	(SD)	N	Mean	(SD)	N	Mean	(SD)	
	85	24.9	(52.1)	41	39.6	(38.5)	14	30.2	(47.4)	
b. Software (including upgrades, licenses, etc.)	Yes	93	(95.88)		41	(97.62)		14	(100.0)	
	No	4	(4.12)		1	(2.38)		0	(0.00)	
Expected expenditure	Primary			Secondary			Special			
	N	Mean	(SD)	N	Mean	(SD)	N	Mean	(SD)	
	93	3.6	(4.1)	41	10.0	(13.7)	14	5.9	(7.5)	

c. Staff development with regard to ICT (including courses, documentation, etc.)	Yes	93	(95.88)		42	(100.0)		13	(92.86)	
	No	4	(4.12)		0	(0.00)		1	(7.14)	
Expected expenditure	Primary			Secondary			Special			
	N	Mean	(SD)	N	Mean	(SD)	N	Mean	(SD)	
	93	5.5	(4.7)	42	8.4	(7.0)	13	4.6	(3.1)	

d. Maintenance (including repairs, insurance, etc.) and other costs (such as printer paper, toner, Internet access)	Yes	92	(96.84)		44	(100.0)		14	(100.0)	
	No	3	(3.16)		0	(0.00)		0	(0.00)	
Expected expenditure	Primary			Secondary			Special			
	N	Mean	(SD)	N	Mean	(SD)	N	Mean	(SD)	
	92	4.0	(4.5)	44	6.6	(5.8)	14	2.8	(1.8)	

e. Technical support team	Yes	60	(80.00)	33	(82.50)	11	(100.0)
	No	15	(20.0)	7	(17.50)	0	(0.00)
Expected expenditure	Primary			Secondary			Special
	N	Mean	(SD)	N	Mean	(SD)	N Mean (SD)
	60	7.3	(6.6)	33	12.9	(9.9)	11 5.5 (4.9)

15. Does your school have a written policy or statement with regard to the use of computers for educational purposes?		Primary		Secondary		Special	
		N	(%)	N	(%)	N	(%)
	Yes	61	(61.00)	34	(64.15)	10	(71.43)
	No	39	(39.00)	19	(35.85)	4	(28.57)

16. Indicate whether special measures have been set up in your school to ensure the following:		Primary		Secondary		Special	
		N	(%)	N	(%)	N	(%)
a. Incentives for teachers to take ICT courses or training	Yes	87	(82.86)	47	(85.45)	15	(100)
	No	18	(17.14)	8	(14.55)	0	(0.00)
b. Security measures to prevent unauthorized system access or entry	Yes	96	(91.43)	53	(96.36)	14	(93.33)
	No	9	(8.57)	2	(3.64)	1	(6.67)
c. The honoring of intellectual property rights, e.g. software copyright	Yes	101	(96.19)	51	(92.73)	15	(100)
	No	4	(3.81)	4	(7.27)	0	(0.00)
d. Prohibiting access to adult-only material (e.g. pornography, violence)	Yes	95	(90.48)	48	(87.27)	12	(85.71)
	No	10	(9.52)	7	(12.73)	2	(14.29)
e. Restricted game playing on school computers	Yes	64	(61.54)	33	(61.11)	8	(57.14)
	No	40	(38.46)	21	(38.89)	6	(42.86)
f. Restricted on-line chat on school computers	Yes	66	(63.46)	30	(54.55)	7	(46.67)
	No	38	(36.54)	25	(45.45)	8	(53.33)
g. Defined learning targets related to computing skills and knowledge	Yes	97	(93.27)	47	(85.45)	15	(100)
	No	7	(6.73)	8	(14.55)	0	(0.00)
h. Local community access to school computers or the Internet (parents and/or others)	Yes	36	(35.29)	18	(33.33)	5	(33.33)
	No	66	(64.71)	36	(66.67)	10	(66.67)

17. Does your school provide any ICT courses or training for the teachers?		Primary		Secondary		Special	
		N	(%)	N	(%)	N	(%)
	Yes	93	(89.42)	53	(96.36)	14	(93.33)
	No	11	(10.58)	2	(3.64)	1	(6.67)

18. Who coordinates ICT for students and teachers in your school??		Primary		Secondary		Special	
		N	(%)	N	(%)	N	(%)
Nobody	Yes	0	(0.00)	1	(1.79)	0	(0.00)
	No	104	(100.0)	55	(98.12)	15	(100)
A group of teaching staff	Yes	90	(86.54)	50	(89.29)	13	(86.67)
	No	14	(13.46)	6	(10.71)	2	(13.33)
School principal	Yes	15	(14.42)	9	(16.07)	3	(20.00)
	No	89	(85.58)	47	(83.93)	12	(80.00)
Other people	Yes	1	(0.94)	0	(0.00)	1	(6.67)
	No	103	(99.04)	56	(100.0)	14	(93.33)
A member of teaching staff	Yes	32	(30.77)	14	(25.00)	4	(26.67)
	No	72	(69.23)	42	(75.00)	11	(73.33)
Vice-principal	Yes	9	(8.65)	12	(21.43)	1	(6.67)
	No	95	(91.35)	44	(78.57)	14	(93.33)

A person from the organization running the school	Yes	2	(1.92)	2	(3.57)	0	(0.00)
	No	102	(98.08)	54	(96.43)	15	(100)

19. Please indicate the extent to which your school considers each of the following a priority for further advice/information/support.	Primary			Secondary			Special		
	N	Mean	(SD)	N	Mean	(SD)	N	Mean	(SD)
a. How to use ICT to support the curriculum	103	4.4	(0.6)	55	4.2	(0.6)	15	4.3	(0.6)
b. How to use ICT with pupils with sensorial or physical disabilities	102	2.9	(1.0)	55	3.0	(0.9)	15	3.8	(1.3)
c. How to use ICT with underachieving pupils	104	4.0	(0.7)	55	3.7	(0.8)	15	4.2	(0.8)
d. How to use ICT with highly gifted pupils	103	4.1	(0.6)	54	3.8	(0.7)	14	3.4	(1.1)
e. Information handling skills of students and teachers	104	4.5	(0.7)	55	4.3	(0.6)	14	4.4	(0.6)
f. How to use ICT for management support	104	4.3	(0.7)	55	4.1	(0.7)	15	4.3	(0.6)
g. How to use ICT for administrative work	104	4.2	(0.7)	54	4.0	(0.7)	15	4.4	(0.5)

20. How often do you use computers for your work as a principal?		Primary		Secondary		Special	
		N	(%)	N	(%)	N	(%)
	Never	2	(1.94)	3	(5.36)	1	(7.14)
	A few times per year	8	(7.77)	0	(0.00)	0	(0.00)
	Almost monthly	14	(13.59)	4	(7.14)	0	(0.00)
	Weekly	28	(27.18)	13	(23.21)	3	(21.43)
	Daily	51	(49.51)	36	(64.29)	10	(71.43)

21. What do you use your computer for?	Primary *		Secondary **		Special	
	N	(%)	N	(%)	N	(%)
Writing documents and letter	4	(3.81)	0	(0.00)	12	(80.00)
For communication – the Internet, e-mail	5	(4.76)	1	(1.79)	13	(86.67)
For teaching/instruction	0	(0.00)	0	(0.00)	6	(40.00)
Other	0	(0.00)	1	(1.79)	1	(6.67)
Using spreadsheets	0	(0.00)	0	(0.00)	7	(46.67)
For searching and using information on the World Wide Web and/or CD-ROM	1	(0.95)	1	(1.79)	11	(73.33)

* 95 missing cases **53 missing cases

22. Do you own a computer at home?		Primary		Secondary		Special	
		N	(%)	N	(%)	N	(%)
	Yes	99	(95.19)	54	(98.18)	15	(100.0)
	No	5	(4.81)	1	(1.82)	0	(0.00)
22a. Does your computer at home have access to the Internet?	Yes	92	(96.84)	48	(97.96)	15	(100.0)
	No	3	(3.16)	1	(2.04)	0	(0.00)

23. What fraction of your time online is spent at school?		Primary		Secondary		Special	
		N	(%)	N	(%)	N	(%)
	0-20%	59	(57.28)	29	(51.79)	9	(60.00)
	21-40%	20	(19.42)	11	(19.64)	2	(13.33)
	41-60%	9	(8.74)	2	(3.57)	1	(6.67)
	61-80%	5	(4.85)	8	(14.29)	1	(6.67)
	81-100%	10	(9.71)	6	(10.71)	2	(13.33)

24. In the previous week, how long do you use Internet on average per day?		Primary		Secondary		Special	
		N	(%)	N	(%)	N	(%)
	Less than 1 hour	57	(55.34)	21	(37.50)	8	(53.33)
	1-2 hours	29	(28.16)	22	(39.29)	2	(13.33)
	2-3 hours	10	(9.71)	9	(16.07)	2	(13.33)
	More than 3 hours	6	(5.83)	2	(3.57)	2	(13.33)
	Never	1	(0.97)	2	(3.57)	1	(6.67)

25. In the previous week, have you got access to the Internet?		Primary		Secondary		Special	
		N	(%)	N	(%)	N	(%)
	Yes	96	(92.31)	52	(92.86)	14	(93.33)
	No	8	(7.69)	4	(7.14)	1	(6.67)
25a. If yes, where do you get access to the Internet?	School	76	(79.17)	48	(92.31)	11	(73.33)
	Home	74	(77.08)	39	(75.00)	11	(73.33)
	Community Centre	0	(0.00)	0	(0.00)	0	(0.00)
	Other	0	(0.00)	0	(0.00)	0	(0.00)

26. Why do you use computer personally?		Primary		Secondary		Special	
		N	(%)	N	(%)	N	(%)
	1.search information	76	(96.00)	50	(96.91)	11	(73.33)
	2.watch movies	1	(1.00)	0	(0.00)	0	(0.00)
	3. Administrative work	82	(82.00)	42	(76.36)	14	(93.33)
	4. Others	2	(2.00)	1	(1.82)	0	(0.00)
	5. Communicate with students	5	(5.00)	4	(7.27)	0	(0.00)
	6. On-line chat	1	(1.00)	1	(1.82)	0	(0.00)
	7. Play online games	0	(0.00)	0	(0.00)	0	(0.00)
	8. Communicate with friends/colleagues	40	(40.00)	35	(63.64)	5	(33.33)
	9. Read Sports/ news	4	(4.00)	1	(1.82)	0	(0.00)
	10. Download Songs/ software	4	(4.00)	0	(0.00)	0	(0.00)
	11. Read news	33	(33.00)	14	(25.45)	3	(20.00)
	12. Listen to Music	5	(5.00)	3	(5.45)	0	(0.00)
	13. Communicate with the Education Department/ Other schools	70	(70.00)	31	(56.36)	11	(73.33)
	14. Self Learning	13	(13.00)	9	(16.36)	3	(20.00)
	15. Join Discussion Forum	3	(3.00)	4	(7.27)	1	(6.67)

27. Do you encounter any difficulties in using IT at your school?		Primary		Secondary		Special	
		N	(%)	N	(%)	N	(%)
	Yes	60	(63.83)	31	(58.49)	8	(57.14)
	No	34	(36.17)	22	(41.51)	6	(42.86)
27a.Reason	1.Insufficient peripherals (e.g. printer, scanner, video projector)	22	(36.67)	8	(25.81)	1	(12.50)
	2.Frequent failure of computer	6	(10.0)	5	(16.13)	1	(12.50)
	3. Software not adaptable for use on the Windows NT platform	10	(16.67)	1	(3.23)	2	(25.00)
	4. Not enough copies of software for instructional	14	(23.33)	6	(19.35)	0	(0.00)

	purposes						
	5. Other	2	(3.33)	1	(3.23)	1	(12.50)
	6. Slow network performance	10	(16.67)	9	(29.03)	1	(12.50)
	7. Lack of support	13	(21.67)	2	(6.45)	2	(25.00)
	8. Lack of knowledge/skills in using computers for instructional purposes	51	(85.00)	23	(74.19)	7	(87.50)
	9. It is difficult to use software with an English interface.	3	(5.00)	0	(0.00)	0	(0.00)

28. Do you use the e-mail provided by the Education Department?		Primary		Secondary		Special	
		N	(%)	N	(%)	N	(%)
	Yes	75	(81.52)	31	(60.78)	7	(50.00)
	No	17	(18.84)	20	(39.22)	7	(50.00)
28a. If yes, the frequency is	1. Nearly everyday	21	(28.77)	9	(30.00)	2	(28.57)
	2. 2-3 times a week	17	(23.29)	9	(30.00)	3	(42.86)
	3. Once a week	14	(19.18)	7	(23.33)	2	(28.57)
	4. 2-3 times a month	21	(28.77)	5	(16.67)	0	(0.00)

29. Excluding the e-mail address provided by the Education Department, do you have other e-mail accounts?		Primary		Secondary		Special	
		N	(%)	N	(%)	N	(%)
	Yes	76	(76.77)	46	(85.19)	10	(76.92)
	No	23	(23.23)	8	(14.81)	3	(23.08)

30. Do you play ICQ?		Primary		Secondary		Special	
		N	(%)	N	(%)	N	(%)
	Yes	5	(5.05)	3	(5.45)	2	(14.28)
	No	94	(94.95)	52	(94.55)	12	(85.72)

31. Do you own a web-site?		Primary		Secondary		Special	
		N	(%)	N	(%)	N	(%)
	Yes	1	(1.00)	6	(10.71)	2	(14.28)
	No	99	(99.00)	50	(89.29)	12	(85.72)

32 How do you allocate the e-mail accounts provided by the Education Department at your school?		Primary		Secondary		Special	
		N	(%)	N	(%)	N	(%)
a. Is that allocated to students ?	Yes	14	(18.67)	16	(36.36)	4	(26.67)
	No	61	(81.33)	28	(63.64)	8	(53.33)
If yes, around	Primary			Secondary			Special
	N	Mean	(SD)	N	Mean	(SD)	N Mean (SD)
	10	591.8	(315.9)	13	977.4	(323.1)	4 393.5 (511.4)

b. Is that allocated to teachers ?		Primary		Secondary		Special	
		N	(%)	N	(%)	N	(%)
	Yes	99	(100.0)	55	(98.35)	14	(93.33)
	No	0	(0.00)	1	(1.79)	1	(6.67)
If yes, around	Primary			Secondary			Special
	N	Mean	(SD)	N	Mean	(SD)	N Mean (SD)
	90	39.4	(17.7)	50	62.9	(13.6)	13 47.3 (32.3)

c. Is that allocated to parents ?		Primary		Secondary		Special	
		N	(%)	N	(%)	N	(%)
	Yes	3	(4.00)	1	(2.50)	2	(18.18)
	No	72	(96.00)	39	(97.50)	9	(81.82)
If yes, around	Primary			Secondary			Special
	N	Mean	(SD)	N	Mean	(SD)	N Mean (SD)
	2	6.5	(7.8)	1	1.0		2 69.0 (96.17)

33. How does your school process the information sent by the Education Department via e-mail? ?		Primary		Secondary		Special	
		N	(%)	N	(%)	N	(%)
	1. All teachers are informed after processing by a designee.	62	(60.78)	34	(62.96)	3	(25.00)
	2. Teachers read the information from the Department by themselves after opening the email.	39	(38.24)	20	(37.04)	9	(75.00)
	3. Others	1	(0.98)	0	(0.00)	0	(0.00)

34. Please answer the following question with regard to the use of e-mail services provided by the Education Department . Does this account:	Primary			Secondary			Special		
	N	Mean	(SD)	N	Mean	(SD)	N	Mean	(SD)
a. Improve communications between the teachers and you	101	3.3	(1.0)	54	3.1	(1.0)	14	2.9	(1.1)
b. Improve communications between the Education Department and you	100	3.7	(0.9)	55	3.4	(1.0)	14	3.7	(1.3)
c. Improve communications between the students and you	98	2.7	(0.9)	54	2.8	(0.9)	14	2.5	(1.2)
d. Improve communications between the teachers and students	96	2.8	(1.0)	54	3.0	(1.0)	14	2.6	(1.2)
e. This account does not help me at all in practice.	98	2.5	(1.1)	53	2.9	(1.3)	14	2.3	(0.8)

35. Up to this moment, what percentage of your school teachers have submitted the IT portfolio?		Primary		Secondary		Special	
		N	(%)	N	(%)	N	(%)
<u>Intermediate (IIT)</u>	0 - < 20%	61	(62.89)	26	(50.00)	5	(38.46)
	20% - < 40%	18	(18.56)	8	(15.38)	1	(7.69)
	40% - < 60%	6	(6.19)	4	(7.69)	2	(15.38)
	60% - < 80%	5	(5.15)	3	(5.77)	3	(23.08)
	80% - < 100%	2	(2.06)	7	(13.46)	0	(0.00)
	100%	5	(5.15)	4	(7.69)	2	(15.38)
<u>Upper Intermediate (UIT)</u>	0 - < 20%	61	(82.43)	28	(65.12)	9	(90.00)
	20% - < 40%	8	(10.81)	11	(25.58)	1	(10.00)
	40% - < 60%	1	(1.35)	0	(0.00)	0	(0.00)
	60% - < 80%	0	(0.00)	2	(4.65)	0	(0.00)
	80% - < 100%	2	(2.70)	1	(2.33)	0	(0.00)
	100%	2	(2.70)	1	(2.33)	0	(0.00)

36. Who helps you to appraise the IT portfolios of the teachers?		Primary		Secondary		Special	
		N	(%)	N	(%)	N	(%)
	1. Working group	5	(5.43)	7	(14.89)	3	(21.43)
	2. Group i/c Technology	37	(40.22)	23	(48.94)	5	(35.71)
	3. Designated teacher	1	(1.09)	1	(2.13)	0	(0.00)
	4. Technology coordinator	36	(39.13)	8	(17.02)	3	(21.43)
	5. A vice-principal	2	(2.17)	6	(12.77)	0	(0.00)
	6. Nobody	9	(9.78)	2	(4.26)	1	(6.67)

	4. Others	2	(2.17)	0	(0.00)	2	(13.33)
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37. Have you ever appraised IT portfolios through class visits?		Primary		Secondary		Special	
		N	(%)	N	(%)	N	(%)
	Yes	47	(50.00)	19	(35.85)	3	(23.08)
	No	47	(50.00)	34	(64.15)	10	(76.92)

38. Please comment on the following sentences with regard to the IT portfolio :	Primary			Secondary			Special		
	N	Mean	(SD)	N	Mean	(SD)	N	Mean	(SD)
a. I am satisfied with the Portfolio that have been submitted by the teachers	100	3.9	(0.5)	54	4.0	(0.4)	14	3.9	(0.8)
b. I place great importance on the portfolio	101	3.8	(0.6)	53	3.8	(0.8)	14	3.7	(0.6)
c. The portfolio gives teachers a chance to reflect upon questions regarding the application of IT in teaching	100	4.0	(0.6)	54	4.0	(0.6)	14	4.0	(0.6)
d. The portfolio helps teachers to improve the qualities that teachers need in using IT	101	4.0	(0.6)	52	4.1	(0.6)	14	4.0	(0.6)
e. The portfolio is an effective tool for reflecting the qualities that teachers have in using IT	101	3.7	(0.7)	54	3.7	(0.7)	14	3.8	(0.8)

39. Are you satisfied with the practices practiced in your school for monitoring the progress of integrating ICT into teaching?		Primary		Secondary		Special	
		N	(%)	N	(%)	N	(%)
	Yes	82	(93.18)	43	(89.58)	12	(92.31)
	No	6	(6.82)	5	(10.42)	1	(7.69)

40. Please comment on the impact of ICT in your school	Primary			Secondary			Special		
	N	Mean	(SD)	N	Mean	(SD)	N	Mean	(SD)
a. What is your role in integrating ICT for educational purposes?									
1. To provide a vision and clear objectives for the school	101	4.2	(0.5)	54	4.2	(0.6)	14	4.4	(0.5)
2. Encourage teachers to utilize ICT to upgrade their professional status	101	4.3	(0.5)	53	4.3	(0.5)	14	4.3	(0.5)
3. To request for support from other sectors of the community in order to provide more opportunities for students without computers at home to be exposed to ICT	99	3.5	(0.9)	55	3.7	(0.9)	14	3.9	(1.0)
4. Provision of up-to-date ICT information for teachers and students	100	4.0	(0.6)	56	3.9	(0.8)	14	3.7	(1.3)
5. Provision of training to teachers and students	101	4.3	(0.5)	55	4.4	(0.6)	14	4.3	(0.5)
6. Allocation of resources for promoting ICT teaching	101	4.3	(0.5)	56	4.4	(0.6)	14	4.4	(0.5)
7. To share the experience of integrating ICT into teaching with other schools / countries	100	3.6	(0.7)	55	3.6	(0.7)	14	4.0	(0.6)
8. Plan the integration of ICT into the school-based curriculum	100	3.8	(0.8)	54	3.8	(0.7)	14	4.1	(0.7)
9. To act as a model of integrating ICT for educational purposes	102	3.5	(0.7)	54	3.5	(0.9)	14	3.7	(1.0)
b. In your opinion, what is the impact on teachers in integrating IT into teaching and learning?									

(1) Enhance cooperation between teachers.	102	3.9	(0.6)	53	3.9	(0.6)	14	3.8	(0.7)
(2) Enhance ICT knowledge	101	4.3	(0.5)	54	4.3	(0.5)	14	4.3	(0.5)
(3) Change the role of teachers	100	3.8	(0.7)	55	3.9	(0.8)	13	4.2	(0.7)
(4) Change of attitudes towards the integration of ICT into teaching	101	4.1	(0.6)	55	4.0	(0.6)	14	4.1	(0.5)
(5) Change of relationship with students	102	3.4	(0.8)	55	3.4	(0.8)	12	3.6	(0.8)
(6) Change of teaching mode	101	4.1	(0.6)	55	4.0	(0.7)	14	4.4	(0.5)
(7) Increase contact with outsiders; broaden his/her horizons in the profession.	99	3.8	(0.6)	55	3.7	(0.6)	14	4.0	(0.7)
(8) Teachers lack confidence in the use of ICT	100	2.9	(0.9)	55	2.7	(0.9)	13	3.1	(0.9)
(9) Teachers feel stressful in using ICT	101	3.4	(1.0)	55	3.4	(1.0)	14	3.2	(1.1)
(10) Lower self-esteem and confidence	99	2.3	(0.7)	54	2.2	(0.8)	13	2.2	(0.9)
c. In your opinion, what is the impact on students in integrating IT into teaching and learning?									
(1) Enhance academic knowledge	98	4.1	(0.5)	54	4.1	(0.6)	14	4.2	(0.6)
(2) Enhance computer techniques	99	4.3	(0.6)	53	4.3	(0.5)	14	4.2	(0.6)
(3) Enhance creativity	99	4.0	(0.7)	55	4.0	(0.7)	14	3.8	(0.7)
(4) Enhance communication and expression abilities	102	3.4	(0.8)	54	3.5	(0.9)	14	3.8	(0.8)
(5) Enhance the ability to cooperate with others	100	3.5	(0.8)	55	3.5	(0.8)	13	3.5	(1.1)
(6) Spend too much time on computers which lowers the ability to communicate with others	101	3.3	(0.9)	55	3.4	(0.9)	14	2.6	(1.1)
(7) Spend too much time on computers, thus causing neglect of academics.	99	2.9	(0.8)	55	3.1	(0.9)	12	2.2	(0.6)
(8) Enhance interest of learning	100	4.1	(0.4)	55	4.0	(0.5)	13	4.2	(0.4)
(9) Enhance active learning strategies	102	3.9	(0.6)	55	4.0	(0.6)	14	4.0	(0.6)
(10) Increase confidence	102	3.7	(0.7)	55	3.7	(0.7)	14	3.9	(0.3)
(11) Increase learning efficiency	100	3.8	(0.6)	55	3.9	(0.7)	14	4.0	(0.4)
(12) Increase one's social circle and hence widen his/her horizons.	100	3.3	(0.7)	55	3.5	(0.7)	14	3.5	(0.9)
(13) More interactions with the outside world, and hence have a greater exposure to unsuitable materials.	98	3.3	(0.7)	54	3.6	(0.7)	14	3.2	(1.0)
d. What do you think is the impact on the curriculum in integrating ICT into teaching?									
(1) Integrating the application of computers into different curricula	104	4.2	(0.5)	55	4.1	(0.6)	15	4.3	(0.5)
(2) Increase the cooperation between different subjects	104	3.8	(0.7)	54	3.8	(0.7)	14	4.0	(0.7)
(3) Promote the appearance of the collaborative mode of operations between subjects.	103	3.7	(0.7)	54	3.7	(0.7)	14	3.9	(0.6)
(4) Increase project-based and collaborative work.	104	4.0	(0.6)	54	4.1	(0.7)	14	4.0	(0.7)
(5) Decrease the teaching hours of other subjects	103	3.3	(0.8)	54	2.9	(0.7)	14	3.1	(0.9)
(6) Re-scheduling of the timetable	104	3.9	(0.7)	54	3.4	(0.9)	14	3.8	(0.9)
(7) Increase collaborative curricula initiatives with other schools/nations.	103	3.5	(0.7)	53	3.4	(0.6)	14	3.7	(0.6)

41. With the use of ICT, what is the impact on you?	Primary			Secondary			Special		
	N	mean	(SD)	N	Mean	(SD)	N	Mean	(SD)
a. IT can increase working efficiency on the whole	104	4.1	(0.6)	54	4.0	(0.6)	15	4.1	(0.6)
b. Due to the explosion in related information, I do not know what to do.	104	3.0	(0.9)	53	2.9	(0.9)	15	2.9	(0.9)
c. Change of attitude towards IT teaching	104	3.9	(0.6)	52	3.7	(0.7)	15	3.7	(0.6)
d. Makes you more concerned about events in other parts of the World.	104	3.6	0.7	54	3.2	(0.8)	15	3.6	(0.6)

e.	Makes you more concerned about events in society in Hong Kong and China.	104	3.6	(0.8)	53	3.2	(0.8)	15	3.7	(0.6)
f.	Increase contact with outsiders; broaden professional horizon.	103	3.7	(0.7)	54	3.6	(0.8)	15	3.7	(0.7)
g.	Increase my social circle.	103	3.1	(0.8)	53	2.9	(0.8)	15	3.2	(0.9)
h.	Help to communicate with students	103	3.3	(0.7)	54	3.4	(0.8)	15	3.3	(0.9)
i.	Help to communicate with parents	104	3.2	(0.8)	54	3.3	(0.9)	15	3.1	(0.7)
j.	Increase the opportunities to communicate with in-house teachers	104	3.5	(0.8)	54	3.6	(0.9)	15	3.6	(0.6)
k.	Increase the opportunities to work with teachers from other schools.	104	3.5	(0.7)	54	3.5	(0.7)	15	3.9	(0.5)
l.	Increase the opportunities to work with external organizations	104	3.4	(0.7)	54	3.4	(0.8)	14	3.7	(0.6)
m.	Lack of confidence in using ICT appropriately	103	2.6	(0.9)	54	2.5	(1.0)	15	2.4	(0.9)
n.	The use of ICT causes stress in me.	104	2.8	(1.0)	53	2.5	(1.1)	15	2.5	(1.1)

42. Have you applied ICT in the following activities? Do you think more training should be provided?		Primary		Secondary		Special	
		N	(%)	N	(%)	N	(%)
a. To process school administrative work	Yes	79	(76.70)	40	(72.73)	11	(73.33)
	No	24	(23.30)	15	(27.27)	4	(26.67)
	Necessary	56	(62.22)	25	(47.17)	8	(61.54)
	Not too necessary	30	(33.33)	20	(37.74)	3	(23.08)
	Not necessary	4	(4.44)	8	(15.09)	2	(15.38)
b. To discuss teaching affairs with teachers	Yes	52	(50.49)	26	(48.15)	5	(33.33)
	No	51	(49.51)	28	(51.85)	10	(66.67)
	Necessary	47	(52.22)	18	(40.91)	6	(54.55)
	Not too necessary	32	(35.56)	19	(43.18)	3	(27.27)
	Not necessary	11	(12.22)	7	(15.91)	2	(18.18)
c. Use internet to cooperate with other schools	Yes	23	(22.55)	22	(40.00)	4	(26.67)
	No	79	(77.45)	33	(60.00)	11	(73.33)
	Necessary	48	(55.17)	14	(30.43)	3	(30.00)
	Not too necessary	31	(35.63)	26	(56.52)	5	(50.00)
	Not necessary	8	(9.20)	6	(13.04)	2	(20.00)
d. Use e-mail to communicate with students and teachers	Yes	53	(51.46)	31	(56.36)	10	(66.67)
	No	50	(48.54)	24	(43.64)	5	(33.33)
	Necessary	39	(43.33)	11	(23.40)	5	(45.45)
	Not too necessary	37	(41.11)	26	(55.32)	4	(36.36)
	Not necessary	14	(15.56)	10	(21.28)	2	(18.18)
e. Action Research	Yes	12	(11.76)	18	(33.33)	2	(13.33)
	No	90	(88.24)	36	(66.67)	13	(86.67)
	Necessary	45	(53.57)	14	(34.15)	8	(61.54)
	Not too necessary	32	(38.10)	23	(56.10)	3	(23.08)
	Not necessary	7	(8.33)	4	(9.76)	2	(15.38)
f. To monitor the progress of teachers in integrating ICT into teaching	Yes	64	(62.14)	37	(67.27)	6	(40.00)
	No	39	(37.86)	18	(32.73)	9	(60.00)
	Necessary	52	(58.43)	18	(36.73)	8	(61.54)

	Not too necessary	28	(31.46)	27	(56.10)	3	(23.08)
	Not necessary	9	(10.11)	4	(8.16)	2	(15.38)

43.Do you think the following training is necessary?		Primary		Secondary		Special	
		N	(%)	N	(%)	N	(%)
a. Training on the integration of IT into teaching	Necessary	87	(84.47)	42	(73.36)	10	(66.67)
	Not too necessary	15	(14.56)	11	(20.00)	4	(26.67)
	Not necessary	1	(0.97)	2	(3.64)	1	(6.67)
b. Training on the selection of IT equipment and the utilization of IT resources	Necessary	74	(75.55)	29	(52.73)	9	(60.00)
	Not too necessary	28	(27.45)	23	(41.82)	5	(33.33)
	Not necessary	0	(0.00)	3	(5.45)	1	(6.67)