

**REITEd – Teachers' Questionnaire**

	Questionnaires	(%)
Primary schools	3222	54.03
Secondary schools	2441	40.64
Special schools	300	5.03
Total	5963	100

1. Age	Primary		Secondary		Special	
	N	(%)	N	(%)	N	(%)
Below 25	301	(9.77)	106	(4.66)	27	(9.22)
25-29	689	(22.37)	434	(19.08)	49	(16.72)
30-39	881	(28.60)	956	(42.02)	91	(31.06)
40-49	604	(19.61)	592	(26.02)	88	(30.03)
50-59	570	(18.51)	176	(7.74)	36	(12.29)
60 or above	35	(1.14)	11	(0.48)	2	(0.68)

2. Gender	Primary		Secondary		Special	
	N	(%)	N	(%)	N	(%)
Male	563	(19.36)	930	(43.04)	107	(38.63)
Female	2345	(80.64)	1231	(56.96)	170	(61.37)

3. Education level	Primary		Secondary		Special	
	N	(%)	N	(%)	N	(%)
Secondary 5 or Matriculation	560	(18.29)	44	(1.99)	26	(8.84)
Tertiary	2418	(78.97)	1796	(80.08)	241	(81.97)
Masters or above	84	(2.74)	396	(17.93)	27	(9.18)

4. Have you receive any educational training? (e.g. Education diploma or Bachelor degree of education etc.)	Primary		Secondary		Special	
	N	(%)	N	(%)	N	(%)
Yes	2754	(94.48)	1965	(92.21)	234	(85.09)
No	161	(5.52)	166	(7.79)	41	(14.91)

5. How many years have you been teaching	Primary		Secondary		Special	
	N	(%)	N	(%)	N	(%)
Less than 2 years	280	(9.22)	173	(7.95)	34	(11.68)
10-20 years	716	(23.58)	757	(34.77)	94	(32.30)
2-5 years	538	(17.72)	216	(9.92)	56	(19.24)
More than 20 years	896	(29.51)	390	(17.91)	56	(19.24)
5-10 years	606	(19.96)	641	(29.44)	51	(17.53)

6. In this academic years what is the major subject that you teach?		Primary		Secondary		Special	
		N	(%)	N	(%)	N	(%)
a. For primary teachers only	Chinese	1749	(55.61)	N/A	N/A	80	(45.45)
	Putonghua	537	(17.07)	N/A	N/A	22	(12.50)
	English	1482	(47.12)	N/A	N/A	35	(19.89)
	Arts	970	(30.84)	N/A	N/A	33	(18.75)
	Maths	1644	(52.27)	N/A	N/A	70	(39.77)
	Physical education	522	(16.60)	N/A	N/A	39	(22.16)
	Computer	461	(14.66)	N/A	N/A	23	(13.07)
	Religion	404	(12.85)	N/A	N/A	8	(4.55)

	General studies	1495	(47.54)	N/A	N/A	77	(43.75)
	Others	87	(2.77)	N/A	N/A	23	(13.07)
	Music	480	(15.26)	N/A	N/A	27	(15.34)
b. For secondary teachers only	Chinese/ Chinese Literature	N/A	N/A	500	(22.86)	48	(30.00)
	English/ English Literature	N/A	N/A	426	(19.48)	29	(18.12)
	Putonghua	N/A	N/A	103	(4.71)	11	(6.88)
	Arts and Design	N/A	N/A	90	(4.12)	18	(11.25)
	Computer	N/A	N/A	230	(10.52)	25	(15.62)
	Chinese History	N/A	N/A	229	(10.47)	10	(6.25)
	History	N/A	N/A	133	(6.08)	2	(1.25)
	Music	N/A	N/A	50	(2.29)	11	(6.88)
	Physical Education	N/A	N/A	95	(4.34)	22	(13.75)
	Other	N/A	N/A	74	(3.38)	21	(13.12)
	Physics	N/A	N/A	116	(5.30)	0	(0.00)
	Chemistry	N/A	N/A	100	(4.57)	0	(0.00)
	Geography	N/A	N/A	116	(5.30)	2	(1.25)
	Liberal Studies	N/A	N/A	40	(1.83)	8	(5.00)
	Mathematics	N/A	N/A	449	(20.53)	47	(29.38)
	Integrated Science	N/A	N/A	196	(8.96)	17	(10.62)
	Home Economics	N/A	N/A	51	(2.33)	20	(12.50)
	Religion	N/A	N/A	108	(4.94)	8	(5.00)
	Biology/ Human Biology	N/A	N/A	98	(4.48)	2	(1.25)
	Economics/ Public Affairs/ Business Studies	N/A	N/A	209	(9.56)	11	(6.88)
	Engineering/ Design/ Electronics/ Technology	N/A	N/A	69	(3.16)	22	(13.75)
	Social Studies/ Psychology	N/A	N/A	45	(2.06)	14	(8.75)

7. In this academic year, which class do you teach?	Primary		Secondary		Special	
	N	(%)	N	(%)	N	(%)
Primary 1	1385	(44.48)	N/A	N/A	65	(38.01)
Secondary 1	N/A	N/A	1047	(48.79)	139	(70.20)
Primary 2	1527	(49.04)	N/A	N/A	60	(35.09)
Secondary 2	N/A	N/A	991	(46.18)	145	(73.23)
Primary 3	1566	(50.29)	N/A	N/A	73	(42.69)
Secondary 3	N/A	N/A	1080	(50.33)	147	(74.24)
Primary 4	1591	(51.09)	N/A	N/A	83	(48.54)
Secondary 4	N/A	N/A	1075	(50.09)	21	(10.61)
Primary 5	1610	(51.70)	N/A	N/A	79	(46.20)
Secondary 5	N/A	N/A	1041	(48.51)	19	(9.60)
Primary 6	1591	(51.09)	N/A	N/A	79	(46.20)
Matriculation	N/A	N/A	944	(43.99)	0	(0.00)

8. Position	Primary		Secondary		Special	
	N	(%)	N	(%)	N	(%)
CM	1830	(71.04)	357	(17.93)	162	(62.07)
GM	4	(0.16)	907	(45.55)	40	(15.33)
AM	294	(11.41)	140	(7.03)	24	(9.20)
SGM	0	(0.00)	317	(15.92)	12	(4.60)
SAM	0	(0.00)	64	(3.21)	6	(2.30)
PGM	* 1	(0.04)	49	(2.46)	1	(0.38)

\* reported by one primary teacher though there is normally no PGM in primary schools.

PAM	9	(0.35)	19	(0.95)	1	(0.38)
AEO	0	(0.00)	77	(3.87)	0	(0.00)
APSM	291	(11.30)	0	(0.00)	10	(3.83)
EO	0	(0.00)	54	(2.71)	0	(0.00)
PSM	147	(5.71)	** 1	(0.05)	5	(1.92)
SEO	0	(0.00)	6	(0.30)	0	(0.00)

\*\* reported by one secondary teacher though there is normally no PSM in secondary schools.

9. Excluding teaching, what other duties do you perform in your school?	Primary		Secondary		Special	
	N	(%)	N	(%)	N	(%)
Subject Panel Head	1198	(37.18)	748	(30.64)	134	(44.67)
Director of Studies	106	(3.29)	42	(1.72)	20	(6.67)
Member of IT coordination group	311	(9.65)	164	(6.72)	33	(11.00)
IT coordinator	75	(2.33)	43	(1.76)	13	(4.33)
Others	397	(12.32)	436	(17.86)	37	(12.33)

10. Do you own a computer at home?		Primary		Secondary		Special	
		N	(%)	N	(%)	N	(%)
	Yes	2985	(97.01)	2069	(96.23)	282	(94.95)
	No	92	(2.99)	81	(3.77)	15	(5.05)
a. Is your computer at home connected to the Internet?	Yes	2757	(95.30)	1875	(95.76)	259	(94.87)
	No	136	(4.70)	83	(4.24)	14	(5.13)

11. Does the school provide a notebook for home usage?	Primary		Secondary		Special	
	N	(%)	N	(%)	N	(%)
Yes	834	(29.42)	1041	(51.46)	29	(11.07)
No	2001	(70.58)	982	(48.54)	233	(88.93)

12. How much of your time online is spent at school?	Primary		Secondary		Special	
	N	(%)	N	(%)	N	(%)
0-20%	2689	(86.66)	1412	(64.45)	215	(73.13)
21-40%	200	(6.45)	284	(12.96)	37	(12.59)
41-60%	84	(2.71)	196	(8.95)	16	(5.44)
61-80%	67	(2.16)	137	(6.25)	10	(3.40)
81-100%	63	(2.03)	162	(7.39)	16	(5.44)

13. In the previous week, for how long did you use the Internet on average per day?	Primary		Secondary		Special	
	N	(%)	N	(%)	N	(%)
Less than 1 hour	1437	(46.69)	1023	(47.23)	136	(45.95)
1-2 hours	779	(25.31)	624	(28.81)	75	(25.34)
2-3 hours	285	(9.26)	209	(9.65)	33	(11.15)
3 hours or above	321	(10.43)	240	(11.08)	41	(13.85)
None	256	(8.32)	70	(3.23)	11	(3.72)

14. What do you use your computer for?	Primary		Secondary		Special	
	N	(%)	N	(%)	N	(%)
Preparing teaching materials	1168	(38.01)	1294	(58.39)	176	(59.86)
Read news	923	(30.04)	575	(25.95)	67	(22.79)
Watch movies	63	(2.05)	47	(2.12)	4	(1.36)
Others	231	(7.52)	94	(4.24)	20	(6.80)
Search information	2543	(82.75)	1807	(81.54)	259	(88.10)
Personal / professional continuing education	664	(21.61)	(283)	(12.77)	53	(18.03)
Listen to music	218	(7.09)	83	(3.75)	15	(5.10)
Correct students' homework	67	(2.18)	124	(5.60)	8	(2.72)
Join discussion forum	85	(2.77)	60	(2.71)	13	(4.42)

Play on-line games	128	(4.17)	64	(2.89)	14	(4.76)
Communicate with students	139	(4.52)	289	(13.04)	13	(4.42)
On-line chat	86	(2.80)	30	(1.35)	10	(3.40)
Download songs / softwares	333	(10.84)	157	(7.08)	30	(10.20)
Communicate with friends or colleagues	1231	(40.06)	945	(42.64)	103	(35.03)
Read sports or entertainment news	302	(9.83)	144	(6.50)	27	(9.18)

15. Do you encounter any difficulties in integrating information technology into teaching?	Primary		Secondary		Special	
	N	(%)	N	(%)	N	(%)
Yes	2504	(81.19)	1865	(83.52)	227	(76.43)
No	580	(18.81)	368	(16.48)	70	(23.57)
a. Reason						
Insufficient number of computers	834	(33.70)	625	(34.30)	91	(40.27)
Insufficient peripherals ( printers, scanners,video projector )	742	(29.98)	711	(39.02)	86	(38.05)
Frequent failure of computer	502	(20.28)	303	(16.63)	42	(18.58)
Software not adaptable for use in Window NT platform	305	(12.32)	281	(15.42)	42	(18.58)
Not enough copies of software for instructional purposes	1214	(49.05)	1080	(59.28)	131	(57.96)
English software is not suitable for use	136	(5.49)	65	(3.57)	14	(6.19)
Insufficient knowledge to evaluate and select software	775	(31.31)	536	(29.42)	70	(30.97)
Insufficient computers with simultaneous access to the Internet/WWW	172	(6.95)	95	(5.21)	12	(5.31)
Slow network performance	280	(11.31)	255	(14.00)	27	(11.95)
Access to the Internet must be scheduled within regular lessons	57	(2.30)	16	(0.88)	12	(5.31)
Lack of technical support	628	(25.37)	449	(24.64)	37	(16.37)
Insufficient IT knowledge of self	1408	(56.89)	916	(50.27)	121	(53.54)
Insufficient IT knowledge of students	385	(15.56)	135	(7.41)	59	(26.11)
Insufficient professional knowledge to integrate IT into teaching	1095	(44.24)	753	(41.33)	95	(42.04)
Other	97	(3.92)	93	(5.10)	13	(5.75)

16. Excluding computer lessons, have you taught any other subjects in rooms equipped with computer facilities?	Primary		Secondary		Special	
	N	(%)	N	(%)	N	(%)
Yes	1752	(59.07)	1330	(63.82)	217	(76.68)
No	1214	(40.93)	754	(36.18)	66	(23.32)

17. The following questions relate to the most satisfying lesson that you have taught this academic year using ICT.		Primary		Secondary		Special	
		N	(%)	N	(%)	N	(%)
a. Which subjects were included in this lesson?							
(1) For primary teachers only	Chinese	874	(30.88)	N/A	N/A	34	(22.52)
	English	852	(30.11)	N/A	N/A	16	(10.60)
	Mathematics	823	(29.08)	N/A	N/A	36	(23.84)
	Computer	715	(25.27)	N/A	N/A	24	(15.89)
	General Studies	1133	(40.04)	N/A	N/A	69	(45.70)
	Music	356	(12.58)	N/A	N/A	11	(7.28)
	Putonghua	118	(4.17)	N/A	N/A	4	(2.65)
	Art	374	(13.22)	N/A	N/A	13	(8.61)
	Physical Education	84	(2.97)	N/A	N/A	11	(7.28)
	Religion	104	(3.67)	N/A	N/A	4	(2.65)
	Others	118	(4.17)	N/A	N/A	14	(9.27)
(2) For secondary teachers only	Chinese/ Chinese Literature	N/A	N/A	258	(13.21)	24	(17.02)
	English/ English Literature	N/A	N/A	274	(14.03)	13	(9.22)

	Putonghua	N/A	N/A	66	(3.38)	4	(2.84)
	Art and Design	N/A	N/A	110	(5.63)	11	(7.80)
	Computer	N/A	N/A	210	(10.75)	26	(18.44)
	Chinese History	N/A	N/A	172	(8.81)	4	(2.84)
	History	N/A	N/A	109	(5.58)	4	(2.84)
	Music	N/A	N/A	58	(2.97)	8	(5.67)
	Physical Education	N/A	N/A	53	(2.71)	7	(4.96)
	Physics	N/A	N/A	110	(5.63)	4	(2.84)
	Chemistry	N/A	N/A	98	(5.02)	2	(1.42)
	Geography	N/A	N/A	118	(6.04)	4	(2.84)
	Liberal Studies	N/A	N/A	37	(1.89)	13	(9.22)
	Mathematics	N/A	N/A	217	(11.11)	24	(17.02)
	Integrated Science	N/A	N/A	145	(7.42)	16	(11.35)
	Home Economics	N/A	N/A	39	(2.00)	16	(11.35)
	Religion	N/A	N/A	52	(2.66)	3	(2.13)
	Biology/ Human Biology	N/A	N/A	101	(5.17)	2	(1.42)
	Economics/ Public Affairs/ Business Studies	N/A	N/A	150	(7.68)	7	(4.96)
	Engineering/ Design/ Electronics/ Technology	N/A	N/A	65	(3.33)	19	(13.48)
	Social Studies/Sociology/ Psychology	N/A	N/A	42	(2.15)	11	(7.80)
	Others	N/A	N/A	79	(4.05)	10	(7.09)

b. Which classes are included in this lesson ( you can choose more than one)	Primary		Secondary		Special	
	N	(%)	N	(%)	N	(%)
P1-P3	1425	(53.35)	N/A	N/A	60	(47.24)
P4-P6	1759	(65.86)	N/A	N/A	90	(70.87)
S1-S3	N/A	N/A	1167	(62.91)	152	(93.83)
S4-S5	N/A	N/A	748	(40.32)	18	(11.11)
S6-S7	N/A	N/A	445	(23.99)	1	(0.62)

c. Did any others participate in this lesson?		Primary		Secondary		Special	
		N	(%)	N	(%)	N	(%)
	Yes	940	(35.93)	391	(20.90)	89	(34.10)
	No	1676	(64.07)	1480	(79.10)	172	(65.90)
If yes, they are	Teachers from the school	737	(82.35)	210	(59.66)	64	(81.01)
	Students from other schools	30	(3.35)	13	(3.69)	2	(2.53)
	Teachers from other schools	85	(9.50)	110	(31.25)	8	(10.31)
	Outsiders	2	(0.22)	5	(1.42)	0	(0.00)
	Students from other classes in the school	41	(4.58)	14	(3.98)	5	(6.33)

d. In this lesson, time allocation for using computers is :		Primary		Secondary		Special	
		N	(%)	N	(%)	N	(%)
(1) Teachers' explanation / demonstration	All the time	315	(11.76)	249	(12.56)	24	(9.02)

	Most of the time	774	(28.89)	605	(30.52)	60	(22.56)
	Half of the time	815	(30.42)	564	(28.46)	85	(31.95)
	A small portion of the time	723	(26.99)	524	(26.44)	91	(34.21)
	Never	52	(1.94)	40	(2.02)	6	(2.26)
(2) Students' individual work using IT	All the time	19	(0.86)	24	(1.62)	8	(3.40)
	Most of the time	297	(13.50)	167	(11.28)	31	(13.19)
	Half of the time	508	(23.09)	296	(19.99)	63	(26.81)
	A small portion of the time	674	(30.64)	392	(26.47)	84	(35.74)
	Never	702	(31.91)	602	(40.65)	49	(20.85)
(3) Students' group work using IT	All the time	12	(0.58)	16	(1.14)	3	(1.44)
	Most of the time	96	(4.64)	91	(6.47)	7	(3.37)
	Half of the time	180	(8.71)	118	(8.39)	32	(15.38)
	A small portion of the time	562	(27.19)	340	(24.16)	65	(31.25)
	Never	1217	(58.88)	842	(59.84)	101	(48.56)

e. What kind of IT software and facilities are used in this lesson?	Primary		Secondary		Special	
	N	(%)	N	(%)	N	(%)
Teaching software developed internally	802	(30.30)	266	(13.64)	91	(33.21)
Drill and practice software	502	(18.96)	205	(10.51)	59	(21.53)
Projector (e.g. Video projector)	1136	(42.92)	1074	(55.08)	128	(46.72)
Electronic musical instrument	111	(4.19)	76	(3.90)	9	(3.28)
Digital video equipment (e.g. Digital camera/Video camera)	127	(4.80)	172	(8.82)	54	(19.71)
Other	53	(2.00)	54	(2.77)	8	(2.92)
Simulation software	209	(7.90)	198	(10.15)	22	(8.03)
Database software	49	(1.85)	59	(3.03)	7	(2.55)
Printer	312	(11.79)	235	(12.05)	56	(20.44)
Browser (e.g. I.E., Netscape )	645	(24.37)	612	(31.38)	74	(27.01)
Presentation software	1437	(54.29)	1068	(54.77)	147	(53.65)
Graphics/Multimedia software	344	(13.00)	269	(13.79)	39	(14.23)
Scanner	326	(12.32)	262	(13.44)	55	(20.07)
Homepage design software	203	(7.67)	203	(10.41)	23	(8.39)
E-mail/ICQ software	91	(3.44)	74	(3.79)	13	(4.74)
Visualizer	180	(6.80)	163	(8.36)	14	(5.11)
Computer experimental equipment (e.g. Microcomputer-based laboratories, Data logger)	10	(0.38)	64	(3.28)	0	(0.00)
Spreadsheet	143	(5.40)	141	(7.23)	15	(5.47)
Word processing software	407	(15.38)	342	(17.54)	46	(16.79)
Drawing devices	184	(6.95)	100	(5.13)	24	(8.76)

f. In this lesson, your main role is	* mean (SD)		Primary		Secondary		Special	
	N		N		N		N	
(1) To teach new knowledge	2673		1964		266			
(1=Strongly Disagree, 5=Strongly Agree )	4.2	(0.6)	4.2	(0.6)	4.2	(0.6)		
(2) Provides suitable teaching materials and activities and hence enhance the understanding of knowledge	2674		1965		267			
(1=Strongly Disagree, 5=Strongly Agree )	4.2	(0.6)	4.2	(0.6)	4.2	(0.6)		
(3) Provide opportunities for creative work in order that students can learn from it.	2588		1898		254			
(1=Strongly Disagree, 5=Strongly Agree ))	3.5	(1.0)	3.4	(1.0)	3.4	(1.1)		
(4) Let the students analyze problems and search for information in small groups	2586		1900		252			

(1=Strongly Disagree, 5=Strongly Agree )	3.2	(1.1)	3.2	(1.1)	3.0	(1.2)
(5) Provides drills and practice exercises by using computers	2592		1873		256	
(1=Strongly Disagree, 5=Strongly Agree )	3.2	(1.1)	2.9	(1.1)	3.4	(1.1)

g. What kind of changes did this activity initiate? * mean (SD)	Primary		Secondary		Special	
	N		N		N	
(1 ) Enhanced cooperation between teachers	2610		1864		251	
(1=Strongly Disagree, 5=Strongly Agree )	3.5	(0.9)	3.1	(0.9)	3.4	(1.0)
(2) Enhance IT knowledge	2666		1935		266	
(1=Strongly Disagree, 5=Strongly Agree )	3.9	(0.7)	3.9	(0.8)	4.0	(0.7)
(3) Changed the role of teachers	2644		1928		262	
(1=Strongly Disagree, 5=Strongly Agree )	3.7	(0.7)	3.6	(0.8)	3.6	(0.9)
(4) Change of attitudes towards the integration of ICT into teaching	2627		1906		259	
(1=Strongly Disagree, 5=Strongly Agree )	3.7	(0.7)	3.5	(0.8)	3.7	(0.9)
(5) Change of relationship with students	2625		1917		263	
(1=Strongly Disagree, 5=Strongly Agree )	3.4	(0.8)	3.2	(0.9)	3.3	(0.9)
(6) Change of teaching mode	2495		1792		244	
(1=Strongly Disagree, 5=Strongly Agree )	3.9	(0.6)	3.8	(0.7)	3.9	(0.8)

h. What do you expect the students get from this lesson? * mean (SD)	Primary		Secondary		Special	
	N		N		N	
(1) Enhance the understanding of academic knowledge	2695		1975		266	
(1=Strongly Disagree, 5=Strongly Agree )	4.0	(0.6)	4.0	(0.6)	4.0	(0.6)
(2) Enhance computer techniques	2638		1904		257	
(1=Strongly Disagree, 5=Strongly Agree ))	3.4	(0.9)	3.2	(1.0)	3.4	(1.0)
(3) Enhance creativity	2635		1905		253	
(1=Strongly Disagree, 5=Strongly Agree )	3.3	(0.9)	3.2	(0.9)	3.2	(0.9)
(4) Enhance communication and expression abilities	2632		1900		259	
(1=Strongly Disagree, 5=Strongly Agree )	3.2	(0.9)	3.1	(0.9)	3.3	(0.9)
(5) Enhance the ability to cooperate with others	2601		1876		255	
(1=Strongly Disagree, 5=Strongly Agree ))	3.2	(0.9)	3.0	(0.9)	3.2	(0.9)
(6) Spend too much time on computers which lowers the ability to communicate with others	2600		1888		255	
(1=Strongly Disagree, 5=Strongly Agree )	3.1	(0.9)	3.1	(0.9)	3.2	(0.9)
(7) Spend too much time on computers and hence neglect academic work.	2581		1871		254	
(1=Strongly Disagree, 5=Strongly Agree )	2.7	(0.9)	2.7	(0.9)	2.7	(0.9)
(8) Enhance interest of learning	2697		1983		271	
(1=Strongly Disagree, 5=Strongly Agree )	4.0	(0.5)	3.9	(0.6)	4.0	(0.5)
(9) Enhance active learning strategies	2642		1916		262	
(1=Strongly Disagree, 5=Strongly Agree )	3.8	(0.7)	3.5	(0.7)	3.7	(0.7)
(10) Increase confidence	2633		1916		260	
(1=Strongly Disagree, 5=Strongly Agree )	3.4	(0.7)	3.2	(0.8)	3.5	(0.8)
(11) Increase learning efficiency	2644		1889		263	
(1=Strongly Disagree, 5=Strongly Agree )	3.7	(0.7)	3.6	(0.7)	3.7	(0.7)
(12) More interaction with outside, broaden horizon	2613		1888		257	
(1=Strongly Disagree, 5=Strongly Agree )	3.1	(0.8)	2.9	(0.9)	3.1	(0.9)
(13) More interactions with the outside world and hence be exposed to unsuitable material.	2462		1782		240	
(1=Strongly Disagree, 5=Strongly Agree )	3.1	(0.9)	3.0	(0.9)	3.0	(0.8)

18. Have you submitted your IT Portfolio to the school?		Primary		Secondary		Special	
		N	(%)	N	(%)	N	(%)
	Yes	2476	(81.37)	1898	(84.28)	227	(79.65)
	No	567	(18.63)	354	(15.72)	58	(20.35)
a. If yes, which level?	Beginners ( BIT )	2170	(89.56)	1455	(78.90)	191	(84.89)
	Intermediates ( IIT )	361	(14.90)	406	(22.02)	47	(20.89)
	Upper Intermediates ( UIT )	56	(2.31)	51	(2.77)	6	(2.67)

b. Please comment on the following sentences with regard to the IT portfolio	Primary		Secondary		Special	
<i>* mean (SD)</i>	N		N		N	
(1) I feel stress whilst preparing my portfolio	2449		1865		223	
(1=Strongly Disagree, 5=Strongly Agree)	3.7	(1.0)	3.6	(1.1)	3.5	(1.1)
(2) The school supported me whilst I was preparing my portfolio	2436		1851		220	
(1=Strongly Disagree, 5=Strongly Agree)	3.7	(0.8)	3.8	(0.8)	3.6	(0.9)
(3) Whilst I was preparing my portfolio my colleagues, friends and/or family have helped me	2433		1839		220	
(1=Strongly Disagree, 5=Strongly Agree)	3.8	(0.9)	3.6	(1.0)	3.6	(1.0)
(4) Whilst I was preparing my portfolio my students have helped me	2404		1817		219	
(1=Strongly Disagree, 5=Strongly Agree)	2.0	(0.8)	2.0	(0.8)	1.9	(0.9)
(5) Whilst I was preparing my portfolio the Education Department has helped me	2399		1827		216	
(1=Strongly Disagree, 5=Strongly Agree)	2.4	(1.0)	2.2	(1.0)	2.2	(1.0)
(6) I am satisfied with the Portfolio that I have submitted.	2416		1840		219	
(1=Strongly Disagree, 5=Strongly Agree)	3.8	(0.7)	3.8	(0.7)	3.7	(0.7)
(7) I think that my principal takes IT portfolios seriously	2425		1834		221	
(1=Strongly Disagree, 5=Strongly Agree)	3.5	(0.7)	3.3	(0.8)	3.4	(0.8)
(8) The portfolio helps me to reflect upon the application of IT	2428		1839		222	
(1=Strongly Disagree, 5=Strongly Agree)	3.5	(0.8)	3.3	(0.9)	3.5	(0.8)

19. Please specify the importance and the level of completion of the following IT techniques	Primary		Secondary		Special	
<b>a. Completed level</b> <i>* mean (SD)</i>	N		N		N	
(1) Word processing, spreadsheet, presentation software, and Internet usage skills	3015		2224		284	
(1=Not yet completed, 5=Successfully completed)	4.2	(0.7)	4.3	(0.6)	4.3	(0.7)
(2) Advanced word processing, spreadsheet, and presentation software skills	3000		2199		275	
(1=Not yet completed, 5=Successfully completed)	4.0	(0.8)	4.1	(0.7)	4.0	(0.9)
(3) Multimedia and web page design	2985		2202		281	
(1=Not yet completed, 5=Successfully completed)	3.3	(1.1)	3.5	(1.1)	3.4	(1.2)
(4) Advanced Multimedia and web page design	2982		2182		275	
(1=Not yet completed, 5=Successfully completed)	3.0	(1.2)	3.1	(1.2)	3.0	(1.3)
(5) Basic operations of a computer network	2986		2194		278	
(1=Not yet completed, 5=Successfully completed)	3.7	(1.1)	3.8	(1.0)	3.7	(1.2)
(6) Usage of educational software	3007		2193		281	
(1=Not yet completed, 5=Successfully completed)	3.9	(0.9)	4.0	(0.8)	3.9	(0.9)
(7) Integration of ICT into teaching and learning	2989		2186		278	
(1=Not yet completed, 5=Successfully completed)	3.7	(1.0)	3.8	(0.8)	3.8	(0.9)
<b>b. Importance to teachers</b> <i>* mean (SD)</i>						
(1) Word processing, spreadsheet, presentation	3004		2218		281	



software, and <b>Internet usage skills</b>						
(1=Very important, 5=Very unimportant)	4.1	(0.7)	4.2	(0.6)	4.2	(0.7)
(2) Advanced word processing, spreadsheet, and presentation software skills	2989		2197		275	
(1=Very important, 5=Very unimportant)	3.9	(0.7)	3.9	(0.7)	3.9	(0.7)
(3) Multimedia and web page design	2984		2205		277	
(1=Very important, 5=Very unimportant)	3.4	(0.9)	3.5	(0.9)	3.7	(0.8)
(4) Advanced Multimedia and web page design	2972		2193		274	
(1=Very important, 5=Very unimportant)	3.2	(0.9)	3.2	(0.9)	3.5	(0.9)
(5) Basic operations of a computer network	2972		2198		274	
(1=Very important, 5=Very unimportant)	3.8	(0.8)	3.8	(0.9)	3.9	(0.9)
(6) Usage of educational software	2991		2178		277	
(1=Very important, 5=Very unimportant)	4.1	(0.6)	4.1	(0.6)	4.1	(0.7)
(7) Integration of ICT into teaching and learning	2984		2179		278	
(1=Very important, 5=Very unimportant)	4.0	(0.7)	3.9	(0.7)	4.1	(0.7)

20. What fraction of your teaching hours is allocated for IT teaching?	Primary		Secondary		Special	
	N	(%)	N	(%)	N	(%)
Less than 5%	1899	(64.09)	1035	(46.16)	123	(43.01)
5% - 14%	737	(24.87)	614	(27.39)	79	(27.62)
15% - 24%	221	(7.46)	297	(13.25)	49	(17.13)
25% - 50%	76	(2.56)	196	(8.74)	26	(9.09)
More than 50%	30	(1.01)	100	(4.46)	9	(3.15)

21. Have you participated in any of the following staff development activities? Are the courses useful in the integration of ICT for educational purposes?		Primary		Secondary		Special	
		N	(%)	N	(%)	N	(%)
<b>a. Assistance for mastering of ICT techniques</b>	Participation in the activity						
(1) In-service training courses organized by the Education Department	Yes	1493	(68.99)	616	(58.72)	111	(60.99)
	No	671	(31.01)	433	(41.28)	71	(39.01)
I find the course	Very useful	386	(18.51)	156	(15.71)	40	(22.99)
	Quite useful	1420	(68.11)	634	(63.85)	106	(60.92)
	Not useful	279	(13.38)	203	(20.44)	28	(16.09)
(2) Courses provided by the eight designated training organizations	Yes	1642	(71.42)	757	(65.03)	132	(67.35)
	No	657	(28.58)	407	(34.97)	64	(32.65)
I find the course	Very useful	430	(19.23)	187	(16.53)	41	(21.47)
	Quite useful	1538	(68.78)	730	(64.54)	124	(64.92)
	Not useful	268	(11.99)	214	(18.92)	26	(13.61)
(3) Courses provided by other institutions/organizations	Yes	1214	(64.20)	646	(61.17)	87	(54.04)
	No	677	(35.80)	410	(38.83)	74	(45.96)
I find the course	Very useful	390	(21.16)	196	(19.01)	42	(26.92)
	Quite useful	1215	(65.93)	660	(64.02)	90	(57.69)
	Not useful	238	(12.91)	175	(16.97)	24	(15.38)
(4) School-based training courses (excluding in-house training organized by (2)或(3) )	Yes	1255	(64.33)	912	(68.06)	124	(63.59)
	No	696	(35.67)	428	(31.94)	71	(36.41)
I find the course	Very useful	492	(25.92)	355	(27.16)	73	(37.82)

	Quite useful	1206	(63.54)	806	(61.67)	99	(51.30)
	Not useful	200	(10.54)	146	(11.17)	21	(10.88)
(5) Online self-learning courses organized by the Education Department for teachers (e.g. HKEducationCITY.net)	Yes	347	(31.69)	161	(27.81)	30	(27.52)
	No	748	(68.31)	418	(72.19)	79	(72.48)
I find the course	Very useful	142	(13.30)	59	(10.39)	17	(15.89)
	Quite useful	597	(55.90)	304	(53.52)	54	(50.47)
	Not useful	329	(30.81)	205	(36.09)	36	(33.64)
(6) Refresher courses, experience-sharing groups and workshops organized by the Education Department	Yes	499	(40.67)	273	(40.32)	46	(36.51)
	No	728	(59.33)	404	(59.68)	80	(63.49)
I find the course	Very useful	181	(15.15)	72	(10.86)	22	(18.03)
	Quite useful	721	(60.33)	398	(60.03)	70	(57.38)
	Not useful	293	(24.52)	193	(29.11)	30	(24.59)
b. How much do these professional development activities help in integrating ICT into education?							
(1) (1) In-service training courses organized by the Education Department	Yes	985	(59.52)	388	(49.81)	72	(52.94)
	No	670	(40.48)	391	(50.19)	64	(47.06)
I find the course	Very useful	239	(14.97)	105	(13.98)	23	(18.40)
	Quite useful	1058	(66.25)	452	(60.19)	74	(59.20)
	Not useful	300	(18.79)	194	(25.83)	28	(22.40)
(2) Courses provided by the eight designated training organizations	Yes	1152	(63.44)	523	(57.73)	93	(57.76)
	No	664	(36.56)	383	(42.27)	68	(42.24)
I find the course	Very useful	276	(15.64)	122	(13.77)	32	(20.51)
	Quite useful	1182	(66.97)	546	(61.63)	93	(59.62)
	Not useful	307	(17.39)	218	(24.60)	31	(19.87)
(3) Courses provided by other institutions/organizations	Yes	817	(54.83)	457	(55.26)	64	(48.85)
	No	673	(45.17)	370	(44.74)	67	(51.15)
I find the course	Very useful	239	(16.41)	139	(17.14)	26	(21.14)
	Quite useful	966	(66.35)	500	(61.65)	74	(60.16)
	Not useful	251	(17.24)	172	(21.21)	23	(18.70)
(4) (4) School-based training courses (excluding in-house training organized by (2)或(3) )	Yes	891	(56.72)	686	(64.35)	97	(56.73)
	No	680	(43.28)	380	(35.65)	74	(43.27)
I find the course	Very useful	306	(19.96)	228	(21.94)	57	(34.97)
	Quite useful	1010	(65.88)	639	(61.50)	77	(47.24)
	Not useful	217	(14.16)	172	(16.55)	29	(17.79)
(5) Online self-learning courses organized by the Education Department for teachers (e.g. HKEducationCITY.net)	Yes	253	(26.16)	131	(26.41)	24	(24.74)
	No	714	(73.84)	365	(73.59)	73	(75.26)
I find the course	Very useful	126	(13.32)	45	(9.24)	17	(18.48)
	Quite useful	562	(59.41)	264	(54.21)	51	(55.43)

	Not useful	258	(27.27)	178	(36.55)	24	(26.09)
(6) Refresher courses, experience-sharing groups and workshops organized by the Education Department	Yes	369	(34.98)	210	(36.52)	36	(32.14)
	No	686	(65.02)	365	(63.48)	76	(67.86)
I find the course	Very useful	143	(13.87)	60	(10.64)	22	(20.00)
	Quite useful	644	(62.46)	321	(56.91)	62	(56.36)
	Not useful	244	(23.67)	183	(32.45)	26	(23.64)

22. Where do you usually acquire IT knowledge?	Primary		Secondary		Special	
	N	(%)	N	(%)	N	(%)
Via Courses	973	(46.56)	445	(28.34)	46	(25.14)
Via colleagues or friends	592	(28.33)	465	(29.62)	70	(38.25)
Self-Learning	514	(24.59)	653	(41.59)	67	(36.61)
Other	11	(0.53)	7	(0.45)	0	(0.00)

23. Which of the following learning modes do you like learning from most?	Primary		Secondary		Special	
	N	(%)	N	(%)	N	(%)
Courses	1538	(50.33)	933	(41.89)	141	(48.29)
Lesson observations	470	(15.38)	285	(12.80)	50	(17.12)
Seminars/Conferences	271	(8.87)	217	(9.74)	22	(7.53)
Games/Simulations/Role plays	598	(19.57)	251	(11.27)	49	(16.78)
Workshops/Demo	2217	(72.55)	1678	(75.35)	219	(75.00)
Tutorials	463	(15.15)	395	(17.74)	46	(15.75)
Experiencesharing meetings	372	(12.17)	374	(16.79)	51	(17.47)
Others	24	(0.79)	28	(1.26)	5	(1.71)

24. When you encounter difficulties in using IT, where would you seek help from?	Primary		Secondary		Special	
	N	(%)	N	(%)	N	(%)
Friends	1780	(56.58)	920	(40.16)	112	(38.36)
Media ( e.g. TV programs, magazine, etc )	106	(3.37)	62	(2.71)	7	(2.40)
Colleagues	2142	(68.09)	1657	(72.33)	217	(74.32)
Computer Studies teachers	1516	(48.19)	1026	(44.78)	136	(46.58)
The Internet	348	(11.06)	303	(13.23)	37	(12.67)
IT coordinator	1209	(38.43)	820	(35.79)	141	(48.29)
Technician from the Technical Support Service (TSS) team	790	(25.11)	669	(29.20)	98	(33.56)
Others	99	(3.15)	75	(3.27)	8	(2.74)

25. Which of the following means do you usually acquire new IT knowledge?	Primary		Secondary		Special	
	N	(%)	N	(%)	N	(%)
Newspaper features	1476	(50.63)	1024	(49.85)	135	(50.37)
Computer magazines	1027	(35.23)	797	(38.80)	114	(42.54)
TV programs	973	(33.38)	646	(31.45)	70	(26.12)
On-line e-zines	940	(32.25)	561	(27.31)	88	(32.84)
News forums	103	(3.53)	76	(3.70)	8	(2.99)
Others	244	(8.37)	212	(10.32)	26	(9.70)

26. Have you utilized ICT for the following educational activities? Do you require any more training?	Attempted before	Primary		Secondary		special	
Activities that integrate computers into teaching:		N	(%)	N	(%)	N	(%)

a. Preparing teaching notes/course materials	Yes	1787	(70.94)	1720	(81.94)	207	(81.82)
	No	732	(29.06)	379	(18.06)	46	(18.18)
	A serious need for training	980	(42.98)	557	(29.71)	82	(37.61)
	Training is not very necessary	978	(42.89)	910	(48.53)	85	(38.99)
	Training not required	322	(14.12)	408	(21.76)	51	(23.39)
b. Searching information and new pedagogical methods/teaching materials , etc.	Yes	1716	(68.59)	1529	(76.56)	182	(77.12)
	No	786	(31.41)	468	(23.44)	54	(22.88)
	A serious need for training	1289	(56.58)	820	(45.43)	118	(57.56)
	Training is not very necessary	790	(34.68)	718	(39.78)	66	(32.20)
	Training not required	199	(8.74)	267	(14.79)	21	(10.24)
c. Discussing with other teachers on teaching and learning matters	Yes	1088	(55.91)	803	(58.74)	118	(67.43)
	No	858	(44.09)	564	(41.26)	57	(32.57)
	A serious need for training	743	(43.89)	397	(32.65)	64	(46.04)
	Training is not very necessary	677	(39.99)	539	(44.33)	56	(40.29)
	Training not required	273	(16.13)	280	(23.03)	19	(13.67)
d. Managing, delivering and collecting tests from students	Yes	403	(26.08)	443	(37.29)	46	(34.33)
	No	1142	(73.92)	745	(62.71)	88	(65.67)
	A serious need for training	904	(62.52)	596	(53.69)	71	(58.68)
	Training is not very necessary	419	(28.98)	369	(33.24)	30	(24.79)
	Training not required	123	(8.51)	145	(13.06)	20	(16.53)
e. Designing classroom activities/assignments that require the use of IT	Yes	1221	(56.61)	976	(61.62)	134	(65.05)
	No	936	(43.39)	608	(38.38)	72	(34.95)
	A serious need for training	1379	(69.05)	887	(60.50)	124	(67.03)
	Training is not very necessary	513	(25.69)	434	(29.60)	42	(22.70)
	Training not required	105	(5.26)	145	(9.89)	19	(10.27)
f. Using the Internet to carry out a collaborative project with other schools	Yes	286	(19.25)	264	(25.36)	31	(23.48)
	No	1200	(80.75)	777	(74.64)	101	(76.52)
	A serious need for training	977	(69.39)	579	(59.26)	83	(66.94)
	Training is not very necessary	340	(24.15)	287	(29.38)	27	(21.77)
	Training not required	91	(6.46)	111	(11.36)	14	(11.29)
g. Using email to discuss and communicate with students	Yes	584	(34.97)	862	(58.20)	48	(32.43)
	No	1086	(65.03)	619	(41.80)	100	(67.57)
	A serious need for training	669	(42.83)	333	(24.36)	64	(47.41)
	Training is not very necessary	582	(37.26)	561	(41.04)	43	(31.85)
	Training not required	311	(19.91)	473	(34.60)	28	(20.74)
h. Action Research	Yes	314	(21.93)	197	(21.05)	40	(28.78)

	No	1118	(78.07)	739	(78.95)	99	(71.22)
	A serious need for training	869	(64.37)	494	(55.69)	90	(69.77)
	Training is not very necessary	366	(27.11)	271	(30.55)	27	(20.93)
	Training not required	115	(8.52)	122	(13.75)	12	(9.30)

27. Have you shared your experience with other teacher regarding the use of IT for educational purposes?	Primary		Secondary		Special	
	N	(%)	N	(%)	N	(%)
Yes	2259	(73.80)	1702	(76.36)	235	(82.46)
No	802	(26.20)	527	(23.64)	50	(17.54)

28. Which of the following providers of educational resources have you visited/utilized?	Primary		Secondary		Special	
	N	(%)	N	(%)	N	(%)
IT Education Resources Center	1067	(59.44)	544	(54.29)	99	(58.93)
Others	153	(8.52)	144	(14.37)	16	(9.52)
Teacher Center	884	(49.25)	470	(46.91)	88	(52.38)

29. Do you use the e-mail provided by the Education Department?		Primary		Secondary		Special	
		N	(%)	N	(%)	N	(%)
	Yes	1628	(53.19)	1018	(46.02)	170	(60.28)
	No	1433	(46.81)	1194	(53.98)	112	(39.72)
a. If yes, the frequency is	1. Nearly everyday	117	(7.51)	113	(11.81)	26	(15.85)
	2. 2-3 times a week	195	(12.52)	151	(15.78)	31	(18.90)
	3. Once a week	255	(16.37)	167	(17.45)	36	(21.95)
	4. 2-3 times a month	991	(63.61)	526	(54.96)	71	(43.29)

30. Excluding the e-mail address provided by the Education Department, do you have other e-mail accounts?	Primary		Secondary		Special	
	N	(%)	N	(%)	N	(%)
Yes	2074	(71.49)	1759	(82.74)	202	(75.37)
No	827	(28.51)	367	(17.26)	66	(24.63)

31. Do you use ICQ?	Primary		Secondary		Special	
	N	(%)	N	(%)	N	(%)
Yes	666	(21.76)	452	(20.51)	56	(19.72)
No	2395	(78.24)	1752	(79.49)	228	(80.28)

32. Do you have a web-site?	Primary		Secondary		special	
	N	(%)	N	(%)	N	(%)
Yes	480	(15.74)	603	(27.55)	51	(17.77)
No	2570	(84.26)	1586	(72.45)	236	(82.23)

33. In this academic year, have you participated in any IT exhibitions or conferences?	Primary		Secondary		Special	
	N	(%)	N	(%)	N	(%)
Yes	979	(34.50)	732	(35.24)	116	(43.77)
No	1859	(65.50)	1345	(64.76)	149	(56.23)

34. With the use of ICT, what is the impact on you?	Primary		Secondary		Special	
* mean (SD)	N		N		N	
a. IT can increase working efficiency on the whole (1=Strongly disagree, 5 = Strongly agree)	3090	(0.7)	2258	(0.8)	286	(0.7)
b. There is too much information, and I suffer from an information overload. (1=Strongly disagree, 5 = Strongly agree)	3074	(0.9)	2237	(0.9)	281	(0.9)
c. Too much time is spent on IT; time for preparing teaching notes and materials decreases (1=Strongly disagree, 5 = Strongly agree)	3090	(0.9)	2259	(1.0)	282	(0.9)
d. Too much time is spent on IT, the time for communication with students decreases (1=Strongly disagree, 5 = Strongly agree)	3085	(0.9)	2256	(1.0)	280	(1.0)
e. It makes me more concerned about issues related to other parts of the World. (1=Strongly disagree, 5 = Strongly agree)	3068	(0.9)	2240	(0.9)	280	(0.9)
f. It makes me more concerned about issues related to Hong Kong and Mainland China (1=Strongly disagree, 5 = Strongly agree)	3073	(0.9)	2249	(0.9)	283	(0.9)
g. Increases my social circle. (1=Strongly disagree, 5 = Strongly agree)	3042	(0.9)	2225	(0.9)	278	(1.0)
h. Increases opportunities for collaboration with in-house teachers (1=Strongly disagree, 5 = Strongly agree)	3070	(0.9)	2241	(0.9)	286	(0.9)
i. Increases opportunities to work with teachers from other schools (1=Strongly disagree, 5 = Strongly agree)	3072	(0.8)	2213	(0.8)	281	(0.9)
j. Increase the opportunities to work with external organizations (1=Strongly disagree, 5 = Strongly agree)	3055	(0.8)	2218	(0.8)	280	(0.8)
k. Enhances communications with parents (1=Strongly disagree, 5 = Strongly agree)	3051	(0.8)	2200	(0.8)	281	(0.9)
l. Enhances communications with students (1=Strongly disagree, 5 = Strongly agree)	3032	(0.9)	2204	(1.0)	280	(0.9)

35. Have you participated in any of the following activities?		Primary		Secondary		Special	
		N	(%)	N	(%)	N	(%)
a. Maintenance of IT resources, including budgetary items / equipment	Yes	243	(7.54)	238	(9.81)	36	(12.00)
	No	2979	(92.46)	2189	(90.19)	264	(88.00)
b. Purchase of IT hardware / software	Yes	704	(21.85)	580	(23.90)	92	(30.67)
	No	2518	(78.15)	1847	(76.10)	208	(69.33)
c. Provision of training for teachers	Yes	467	(14.49)	315	(12.98)	54	(18.00)
	No	2755	(85.51)	2112	(87.02)	246	(82.00)
d. Help other colleagues to use IT	Yes	944	(29.30)	658	(27.11)	105	(35.00)
	No	2278	(70.70)	1769	(72.89)	195	(65.00)
e. To share the experience of integrating ICT into teaching with other schools of the same type.	Yes	175	(5.43)	166	(6.84)	30	(10.00)
	No	3047	(94.57)	2261	(93.16)	270	(90.00)
f. Others	Yes	132	(4.10)	68	(2.80)	11	(3.67)
	No	3090	(95.90)	2359	(97.20)	289	(96.33)

36. What do you think is the main assistance provided by IT coordinators		Primary		Secondary		Special	
		N	(%)	N	(%)	N	(%)
* a. Maintenance of IT resources, including budgetary items / equipment	Yes	1056	(36.02)	872	(39.55)	124	(43.97)

	No	1876	(63.98)	1333	(60.45)	158	(56.03)
b. Provision of technical support	Yes	2535	(86.46)	1900	(86.17)	253	(89.72)
	No	397	(13.54)	305	(13.83)	29	(10.28)
c. Provide suggestion / information on how to integrate ICT into teaching	Yes	953	(32.50)	462	(20.95)	104	(36.88)
	No	1979	(67.50)	1743	(79.05)	178	(63.12)
* d. Maintenance of IT resources, including budgetary items / equipment	Yes	786	(26.81)	574	(26.03)	107	(37.94)
	No	2146	(73.19)	1631	(73.97)	175	(62.06)
e. Coordinate the integration of ICT into different curricula	Yes	794	(27.08)	458	(20.77)	82	(29.08)
	No	2138	(72.92)	1747	(79.23)	200	(70.92)
f. Others	Yes	57	(1.94)	45	(2.04)	4	(1.42)
	No	2875	(98.06)	2160	(97.96)	278	(98.58)

\* The options a & d were merged in the data analysis.