



## News Release

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### **SURVEY OF INFORMATION AND COMMUNICATION TECHNOLOGY IN SCHOOLS 2001/02**

The results of the latest survey of Information and Communication Technology (ICT) in publicly funded schools are published today by the Scottish Executive Education Department.

These results have been calculated using information from the annual survey of ICT collected from a sample of schools in Scotland in February 2002. This news release updates the figures published in November 2001 in the statistical news release 'Survey of Information and Communication Technology in Schools 2000'.

The main findings are:

- The percentage of computers in schools that are over 4 years old has fallen across all sectors between October 2000 and February 2002. This was matched by an increase in the percentage of computers with a CD-ROM (Table 1).
- The percentage of schools with access to the World Wide Web (WWW) has increased in the primary and special sectors between October 2000 and February 2002. All secondary schools continue to have access to the internet (Table 4).
- Almost half of secondary schools are connected to the WWW and/or Internet Email via a Broadband connection. However, the percentage of schools in other sectors who have this type of connection is substantially lower. The majority of primary and special schools have a ISDN connection (Table 5).
- Across all sectors, almost all schools with WWW access use the Internet for educational purposes (Table 5).
- For schools with access to the web, most have their access arranged by the local authority (Table 5).

- Over half of all secondary schools have a school web page, however this figure is substantially lower in other sectors. Of those secondary schools who have a school web page, 87 per cent of them use it to provide information to parents/others (Table 6).
- The September 2001 school census showed a significant increase in the percentage of both pupils and teachers with an e-mail address (Table 7).
- The September 2001 school census also showed a decrease in the pupil:computer ratio to 11:1 at primary level and 5:1 at secondary level. (Table 8).
- There has been an increase across all sectors in the percentage of schools with a Local Area Network (LAN) used for teaching purposes (Table 9).

## **TABLES**

Table 1 – Percentage of computers in schools by characteristics, by sector, 2000/01 & 2001/02.

Table 2 – Percentage of computers in schools by make, by sector, 2000/01 & 2001/02.

Table 3 – Percentage of schools with access to digital television, by sector, 2000/01 & 2001/02.

Table 4 – Percentage of schools using electronic communication, by type of communication, by sector, 2000/01 & 2001/02.

Table 5 – Percentage of schools with Internet access, by use of the Internet for educational purposes, existence of an ethical ICT policy, type of Internet connection and arrangements for Internet access, by sector, 2000/01 & 2001/02.

Table 6 – Percentage of schools with a web page, by existence and use of the web page, by sector, 2000/01 & 2001/02.

Table 7 – Percentage of pupils and teachers with an e-mail address, by sector, 2000/01 & 2001/02.

Table 8 – Pupil:computer ratios, by sector, 2000/01 & 2001/02.

Table 9 – Percentage of schools with a Local Area Network (LAN) for teaching purposes, by type of management of the LAN, and existence of local authority guidance, by sector, 2000/01 & 2001/02.

Table 10 – Percentage of schools with a member of staff who acts as an ICT co-ordinator, by sector, 2000/01 & 2001/02.

Table 11 – Percentage of secondary schools using ICT for administration and management, by existence of a working group, existence of sufficient computers and type of administrative process which is computerised, 2000/01 & 2001/02.

Table 12 – Percentage of secondary schools with Management Information Systems (MIS), by membership of a user group, existence of an effective voice within the user group, satisfaction with quality of service received and satisfaction with the resolution of problems, 2000/01 & 2001/02.

## NOTES TO NEWS EDITORS

1. The ICT survey replaced the Annual Survey of Listening, Viewing and Computers (ASLVC), which was last issued to a sample of schools in 1998. The ASLVC was managed by the then Scottish Council for Educational Technology (SCET) on behalf of the former Scottish Office, The Educational Broadcasting Council for Scotland, and Channel 4 Schools. In 1999, the survey was changed significantly from its predecessor, and the content of the survey has been streamlined to focus questions related to information and communication technology. The changes in the survey mean that most of the recent results are not directly comparable with historical results. The survey was again reviewed and updated for 2001/02.
2. The sample of schools and pre-school centres chosen to take part in this survey was selected to be representative of Scotland by region and by the size of the pupil roll in the school, together with other factors. However, due to problems with the pre-school sample selected this year results for the pre-school sector are not available for 2001/02.
3. The sample size of the survey was chosen to ensure that a minimum level of accuracy, with 95% confidence, for the results were:
  - +/- 5% for primary and secondary schools, and
  - +/- 10% for pre-schools and special schools

Due to a poor response rate from pre-schools the minimum desired level of accuracy was not achievable for this sector.

4. Of the 604 primary, secondary and special schools selected to take part in the survey, 592 schools provided responses in February 2002. Therefore, the high response rate to the survey means that these minimum levels of accuracy have been achieved and that the results are representative of the factors mentioned above. The precise level of accuracy will vary for each result.
5. **This is a National Statistics publication.** National Statistics are produced to high professional standards set out in the National Statistics Code of Practice. They undergo regular quality assurance reviews to ensure that they meet customer needs. They are produced free from any political interference.

### Enquiries

6. Public enquiries (non-media) about the information contained in this News Release should be addressed to Jon Hunter, Assistant Statistician, Scottish Executive Education Department, Area 1A-West, Victoria Quay, Edinburgh EH6 6QQ. Telephone 0131 244 0314 or email [jon.hunter@scotland.gsi.gov.uk](mailto:jon.hunter@scotland.gsi.gov.uk)
7. Media enquiries about the information in this News Release should be addressed to: David Hood, Tel: 0131 244 5033

## Computer Characteristics

Table 1

Percentage of computers (1):	Primary		Secondary		Special	
	2000/1	2001/2	2000/1	2001/2	2000/1	2001/2
With a CD-ROM (internal or external)	67	84	66	80	65	81
Older than 4 years old	35	23	32	25	41	36
Refurbished	3	2	1	1	3	4

(1) Note that some computers could fall into more than one category, whereas others may not fall into any category.

## Computer Makes

Table 2

Percentage of computers:	Primary		Secondary		Special	
	2000/1	2001/2	2000/1	2001/2	2000/1	2001/2
IBM PC or Compatible	43	56	60	72	42	50
Apple Macintosh	36	38	31	25	41	44
Other	21	6	10	4	17	6

nb percentages may not add up to 100 due to rounding

## Access to Digital Television

Table 3

	Primary		Secondary		Special	
	2000/1	2001/2	2000/1	2001/2	2000/1	2001/2
Percentage of schools with Access to Digital Television	1	2	3	7	2	0

## Electronic Communications

Table 4

Percentage of schools:	Primary		Secondary		Special	
	2000/1	2001/2	2000/1	2001/2	2000/1	2001/2
Which have the following:						
Fax	85	91	99	98	88	90
Internet – WWW access	64	88	100	100	63	74
Video Conferencing	7	7	40	45	5	5
Internet E-mail	64	84	92	96	65	68
<b>September School Census Results</b>						
Internet – WWW access	64	84	97	100	59	68
School E-mail address	63	75	85	91	50	63

## Internet

Table 5

Percentage of schools with Access to the Internet:	Primary		Secondary		Special	
	2000/1	2001/2	2000/1	2001/2	2000/1	2001/2
The percentage of schools using the Internet for educational purposes (1)	86	95	98	100	90	93
The percentage of schools with an ethical use policy for ICT (2)	53	85	80	93	43	71
The percentage of schools with Internet connection via (2):						
Telephone Line	54	27	10	4	50	27
ISDN connection	38	62	67	46	43	60
Broadband (eg. 2Mbps) connection	3	8	22	49	7	13
Don't know	5	3	2	1	0	0
The percentage of schools with Internet access arranged by (1) (3):						
The School itself	17	4	17	5	37	13
The Local Authority	79	73	74	74	54	63
Combination of above	2	22	7	19	2	24
Don't know	2	1	2	2	7	0

nb percentages may not add up to 100 due to rounding

(1) The percentage of schools with access to the web

(2) The percentage of schools with access to the web and/or internet e-mail

(3) an option to state a combination of school and LA was included in the 2001/02 survey

## Web Pages

Table 6

Percentage of schools:	Primary		Secondary		Special	
	2000/1	2001/2	2000/1	2001/2	2000/1	2001/2
The percentage of schools with a web page(s)	11	14	56	53	9	5
For schools with a webpage: The percentage that use it to:						
Advertise the school			65	75		
Provide information to existing members of the school community			60	74		
Provide information to parents / others			76	87		
Provide a contact point for other schools			47	57		
Provide a web authoring opportunity for teachers and pupils			48	52		
Other			13	22		

## E-Mail Addresses for Teachers and Pupils

Table 7

Percentage of teachers and pupils:	Primary		Secondary		Special	
	2000/1	2001/2	2000/1	2001/2	2000/1	2001/2
Percentage of Teachers with an e-mail address	21	38	50	80	19	25
Percentage of Pupils with an e-mail address	6	16	43	68	6	8

Results from September School Census are for percentage of all Teachers / Pupils

## Pupil:Computer Ratios

Table 8

	Primary		Secondary		Special	
	2000/1	2001/2	2000/1	2001/2	2000/1	2001/2
Pupil : Computer ratio (1)	18	11	7	5	5	4

(1) Includes only modern computers – i.e. those less than 4 years old  
Results from September School Census are for computers used for educational purposes

## Local Area Networks for Teaching Purposes

Table 9

Percentage of schools:	Primary		Secondary		Special	
	2000/1	2001/2	2000/1	2001/2	2000/1	2001/2
With a LAN(s) for Teaching Purposes	24	47	87	94	31	39
<b>For schools which have a LAN(s) for teaching purposes:</b>						
The percentage of schools where the LAN is managed by:						
Teaching Staff	29	11	36	18		
Staff employed for the purpose	24	25	12	23		
External contractor / supplier	9	26	8	15		
Combination of the above	33	37	43	43		
Unknown	5	1	1	1		
The percentage of schools where the Local Authority provides guidance for management of the LAN	72	88	73	82		

nb percentages may not add up to 100 due to rounding

## ICT co-ordination

Table 10

	Primary		Secondary		Special	
	2000/1	2001/2	2000/1	2001/2	2000/1	2001/2
Percentage of schools with a member of staff who acts as an ICT co-ordinator	85	90	96	95	74	84

## Use of ICT for Administration and Management

Table 11

Percentage of Secondary Schools:	2000/01	2001/02
With an ICT working group which promotes effective use of ICT for administration and management:		
Yes	59	71
No	2	26
No response	39	4
Which have sufficient networked computers giving staff Secure and convenient access to administrative software:		
Yes	36	44
No	50	54
No response	14	2
Which have the following administrative processes computerised across the school:		
General printouts of pupil groupings	82	82
Registration of pupils	79	69
Information relating to staffing	59	60
Exception reporting	59	57
Construction of school timetable	45	44
Messaging all staff by e-mail	34	63
Reporting to parents	20	34
Recording of pupils' continuous assessments	17	32
Accessing a core set of reference material	11	28
Forward plans for individual pupils	6	18
Other pupil related information	41	52

nb percentages may not add up to 100 due to rounding

**Management Information Systems (MIS) – User Groups, Maintenance and Support**

**Table 12**

<b>Percentage of Secondary Schools</b>	<b>2001/02</b>
The percentage of schools which are a member of an MIS User Group:	
Yes	39
No	55
No User Group	4
No response	2
For schools which are members, the percentage where the school considers itself to have an effective voice	
Yes	77
No	23
No response	0
Was the school satisfied with the quality of services for the first line maintenance and support for their management and administrative computer systems	
Yes	72
No	7
No response	22
Was the school satisfied with the resolution of more complex hardware and software problems	
Yes	59
No	12
No response	29

nb percentages may not add up to 100 due to rounding