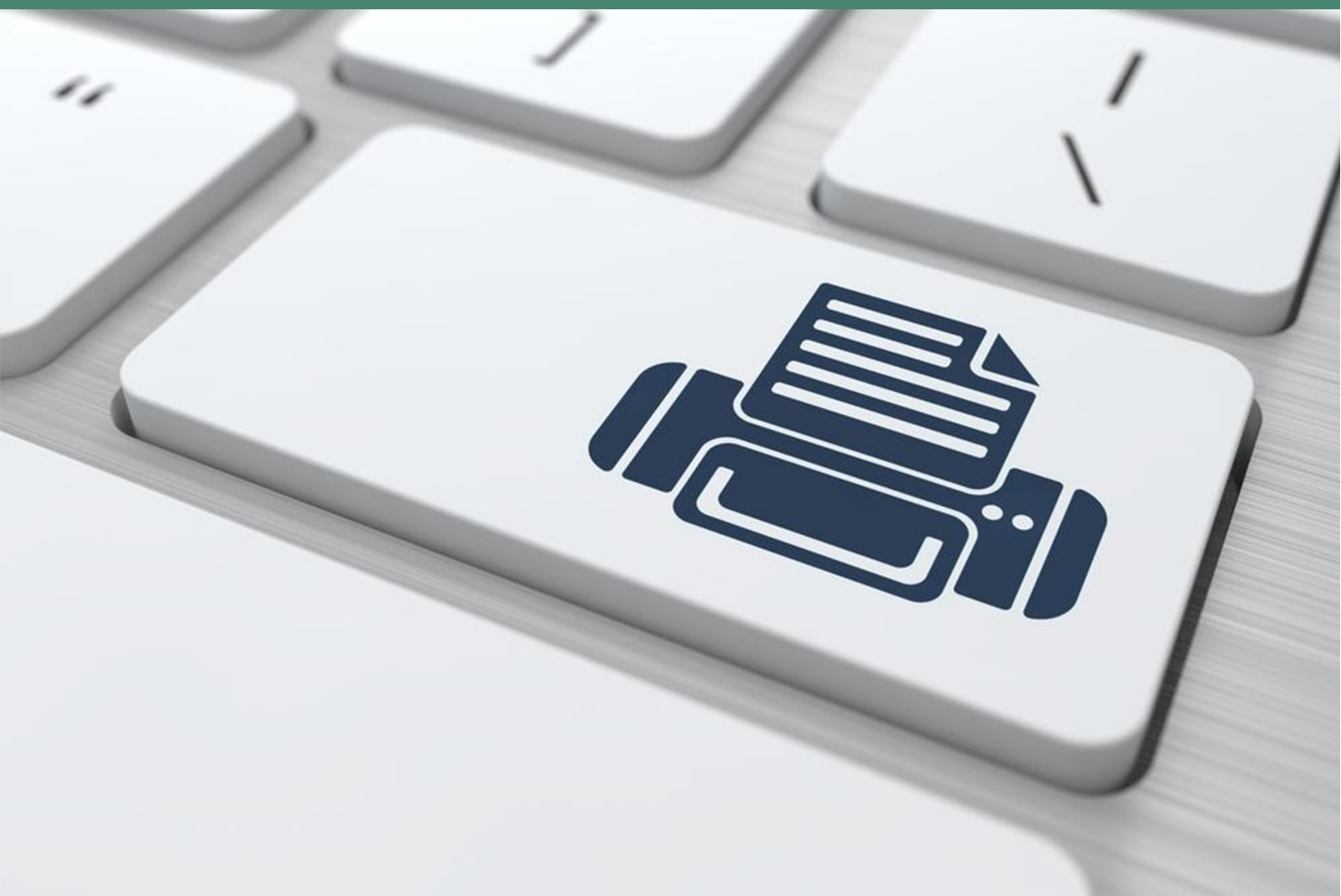


Print & IT Applications In Education

Survey Report 2015



The Survey

Over the past few years technology has dramatically changed the way in which the education sector operates, as it attempts to keep pace with both the expectations of 'digital native' pupils and students and the demands of an increasingly 'tech savvy' workforce.

Since 2013, the Department of Education has been working to ensure that the education sector is 'Digital by Default.' One of their key aims for 2015 is to develop the digital capability of their staff, ensuring that solutions and services are effective, innovative and efficient.

New technology provides an opportunity for the education sector to adopt more innovative, cost effective solutions at a time when budget restrictions are tightening - but what is the reality in the classroom in terms of take-up?

For example, is the experience of teaching staff that they spend too long on administration tasks, despite there being technology solutions that could help to cut those tasks down? Is there a place for printer applications/solutions that could help speed up tasks such as filling paperwork or test marking? How much use is being made of tablet computers and what applications are already in use with them?

The aims of the **Print & IT Applications in Education Survey 2015** was to consider how these questions - as well as to examine more broadly how schools, colleges and universities use their existing technologies - and gauge the associated costs, as well as the areas education professionals hope to improve upon.

Who Took Part

256 individuals took part from 244 unique organisations across the education sector. The following diagram illustrates the breakdown of respondents by job role.

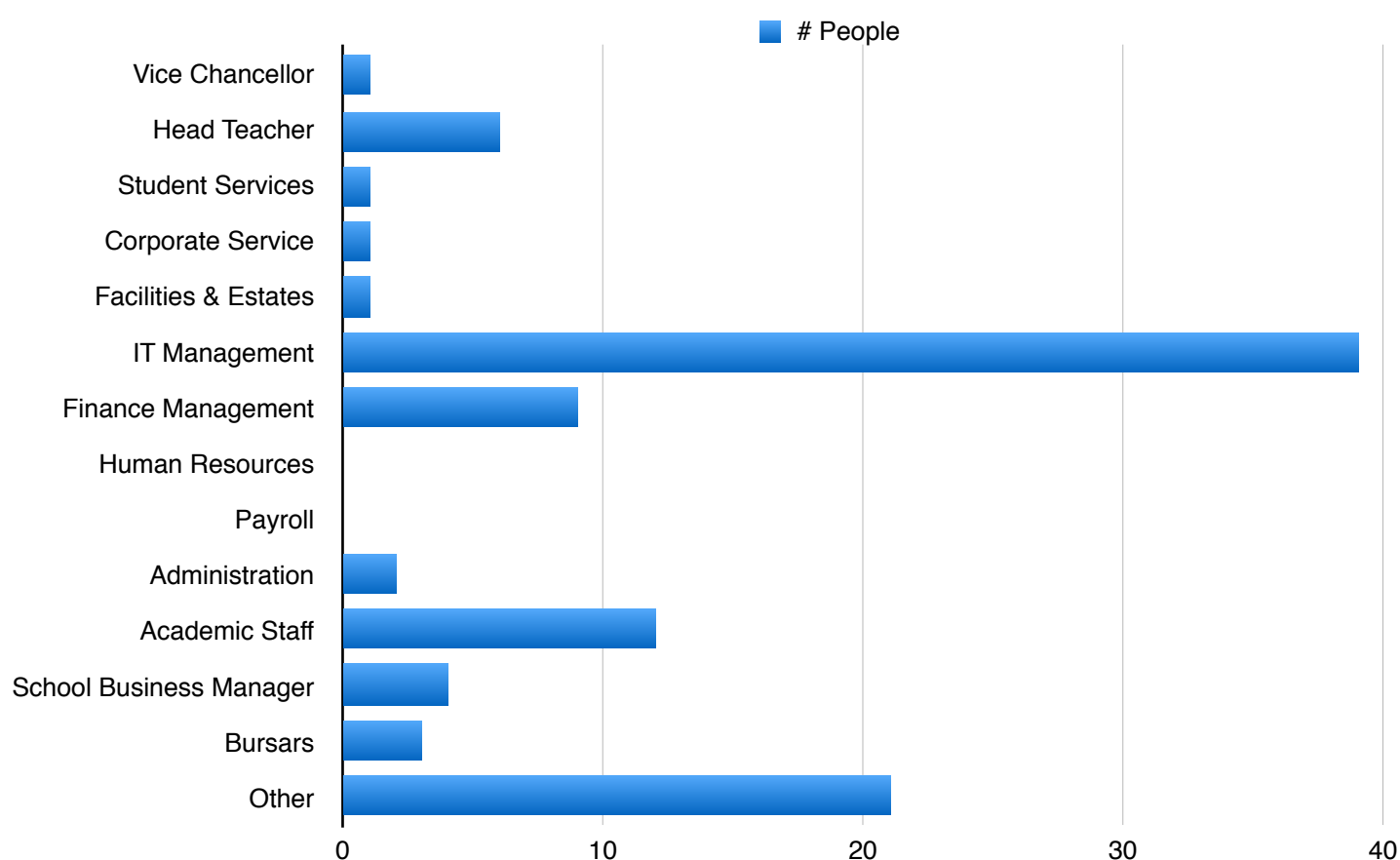


Figure1: Profile by job role - 'Other' includes Deputy Head Teachers, Assistant Heads and IT Technicians

Key Findings

88% are only using their printer/multi-functional device to print or photocopy.

On the other hand, just 2% are using their device to scan documents, while less than 1% are still utilising their device to send and receive faxes.

● Printing ● Photocopying ● Scanning ● Sending Faxes
● Don't Know ● Other

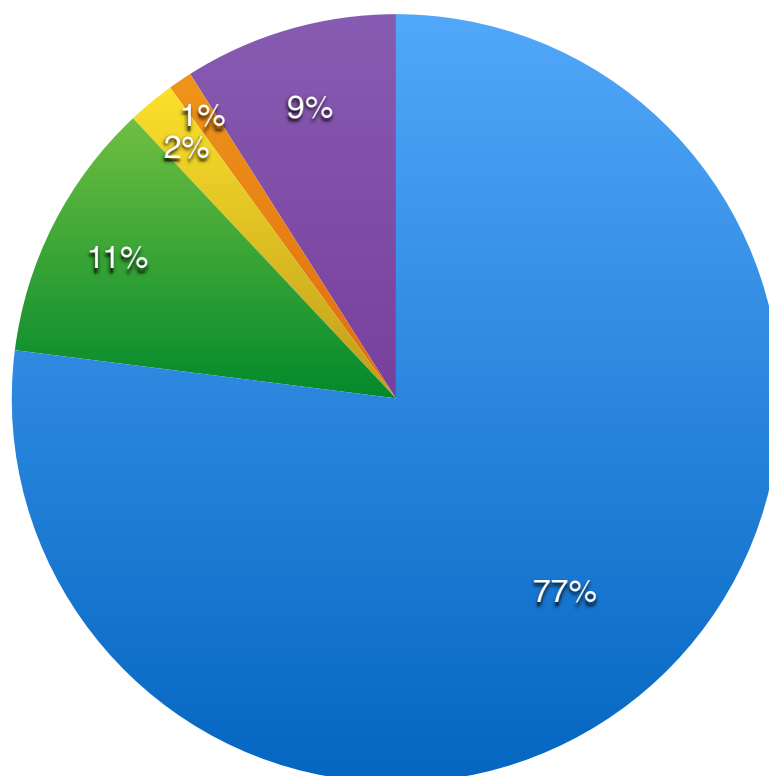


Figure 2: What do you principally use your printer/multi-functional devices for? Those who selected 'Other' often stated they used their device for multiple purposes.

The majority of respondents (82%) believe cost allocation is a relatively high priority.

Interestingly, 15% told us they did not consider print management and cost control a priority, or placed it as a 'low priority'.

● High priority ● Medium priority ● Low priority ● Not consider a priority
● Don't know

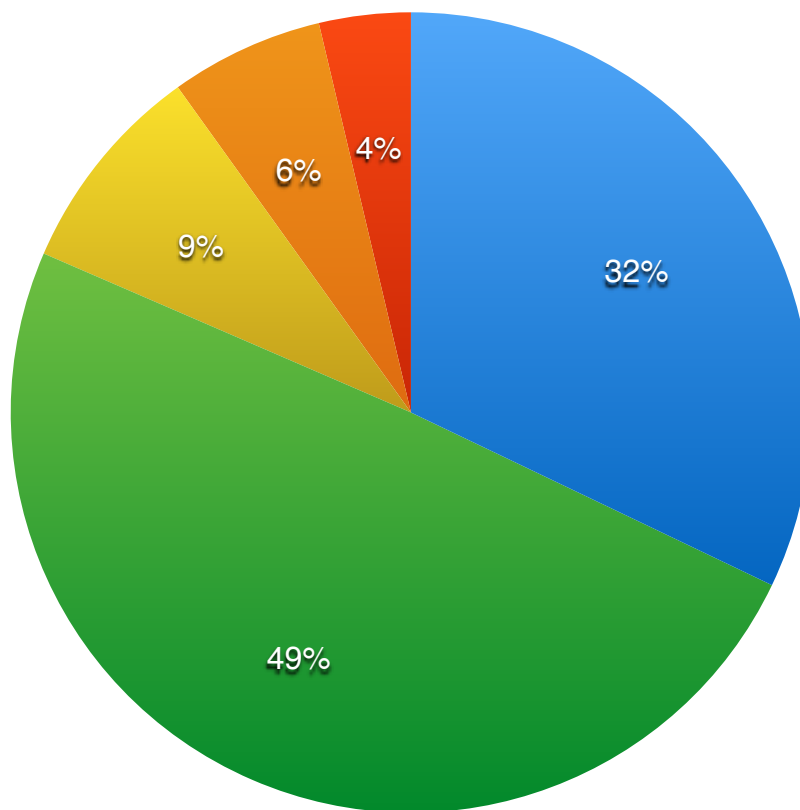


Figure 3: What priority is placed on print management and cost control within your school, college or university?

Approximately 10% of respondents spend up to four hours backing up or scanning hard copy documents on a print device.

By contrast a large proportion (45%) of respondents were unable to quantify the amount of time they spent on such tasks.

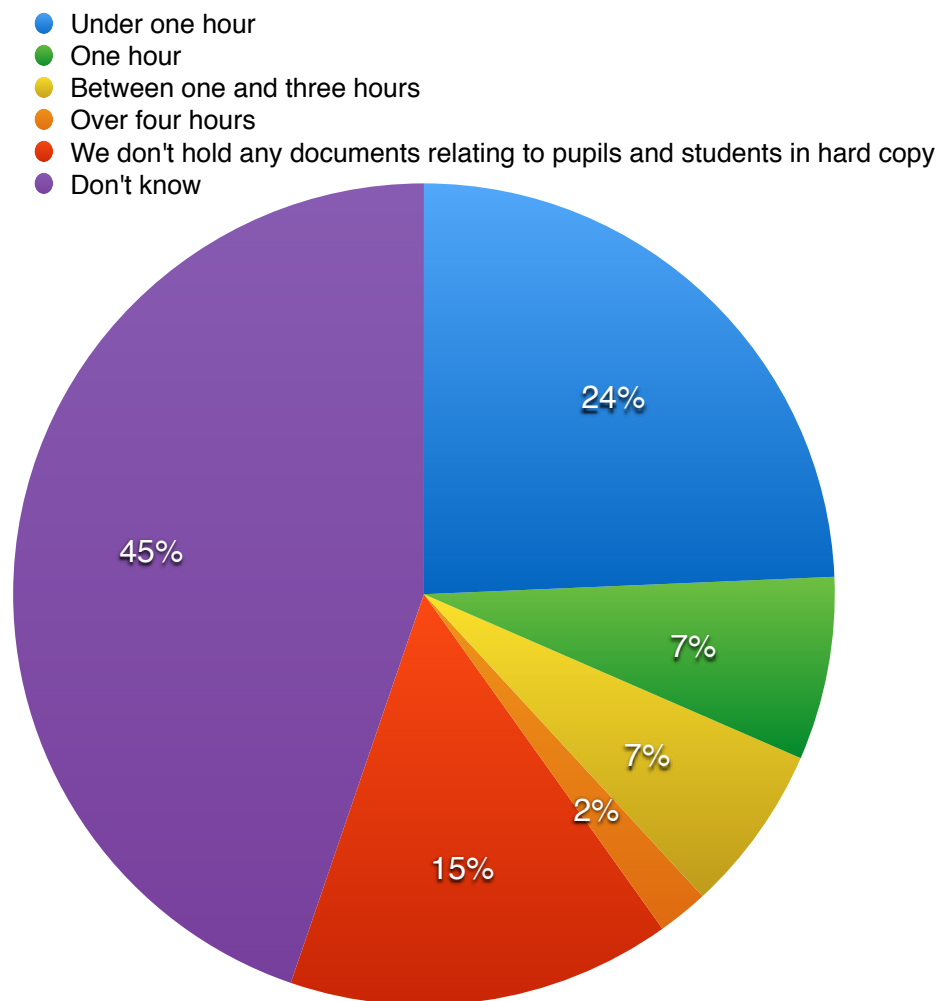


Figure 4: If you hold documents relating to pupils and students in hard copy, how much time per week would you say you spend backing up or scanning hard copy documents on a print device?

Almost 30% of respondents use a print release solution on their print device to monitor and assign costs.

Nearly 20% of respondents don't use any applications/solution or don't know if they use any.

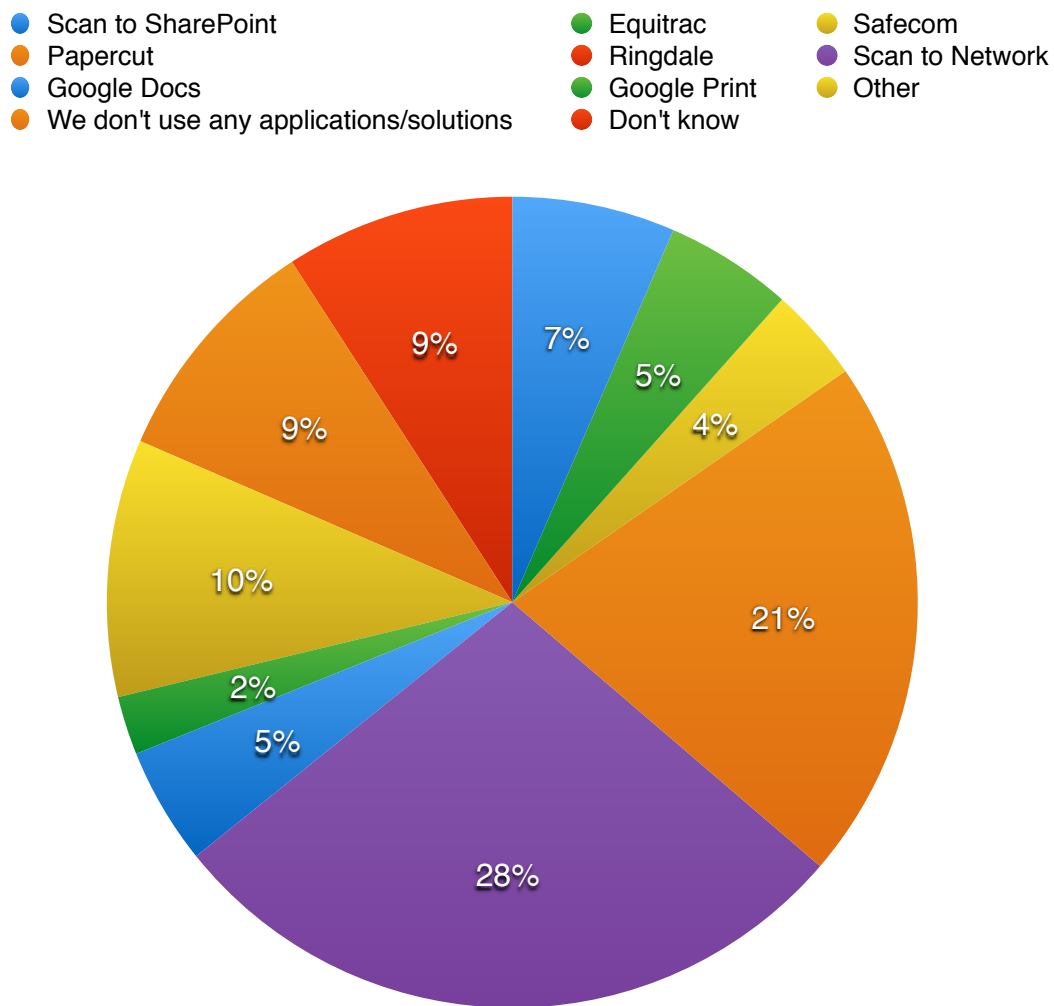


Figure 5: Do you have any applications/solutions on your printer and do you use them?

35% of respondents expressed interest in a solution to scan test papers for automatic marking.

Almost a quarter of all respondents appear undecided about this new technology option. Interestingly 12% of respondents already have access to this technology.

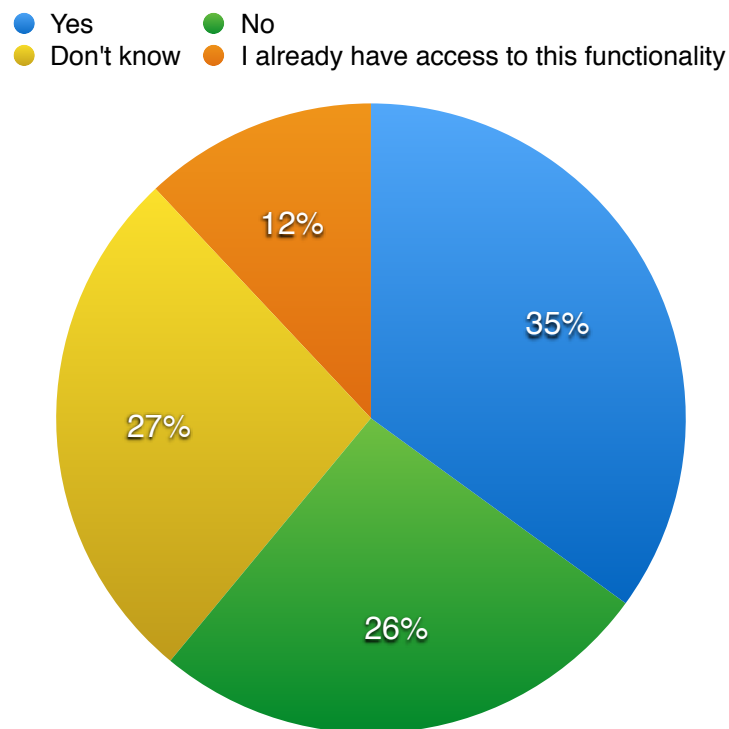


Figure 6: If you could print your own test materials and use a print device to scan test papers for automatic marking, would that interest you?

Just under half of all respondents (45%) stated that their students or pupils already bring in and use their own tablets and devices.

A further 16% said that their pupils or students would be likely to use their own devices in the future.

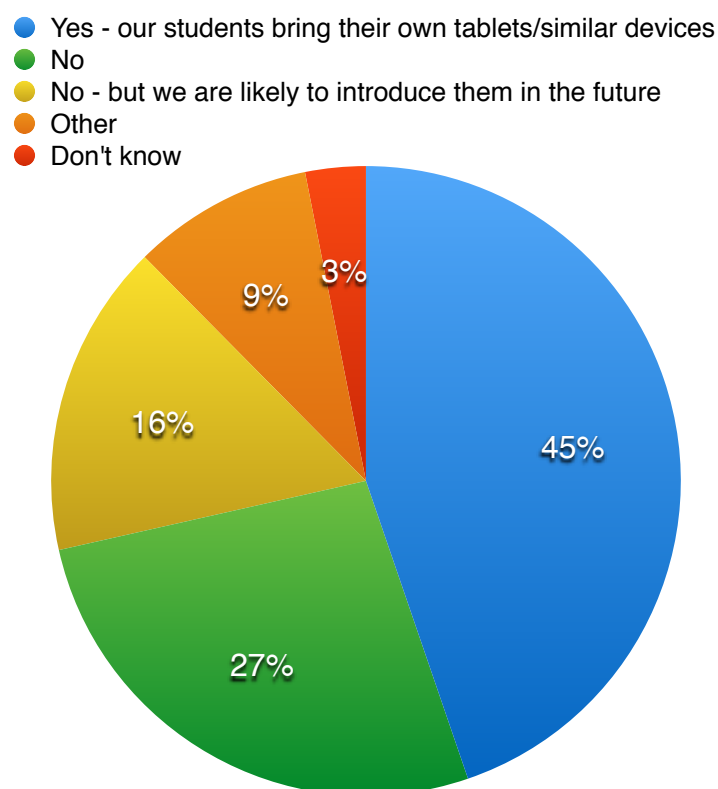


Figure 7: Do your students use their own tablet computers in school?

Print & IT Applications in Education Survey 2015

Question: How many people work in your school, college or university?

Answer	Count	Percent
0 - 49	15	5.8 %
50 - 99	46	17.9 %
100 - 149	61	23.7 %
150 - 200	45	17.5 %
200+	89	34.6 %
Don't know	1	0.4 %

Question: What would best describe your role within your school, college or university?

Answer	Count	Percent
Vice Chancellor	2	0.8 %
Head Teacher	16	6.3 %
Student Services	2	0.8 %
Corporate Services	2	0.8 %
Facilities & Estates	1	0.4 %
IT Management	101	39.5 %
Finance Management	22	8.6 %
Human Resources	0	0 %
Payroll	0	0 %
Administration	6	2.3 %
Academic Staff	31	12.1 %
School Business Manager	9	3.5 %
Bursars	9	3.5 %
Other - please specify	55	21.5 %

Question: Are you completing this survey on behalf of:

Answer	Count	Percent
Yourself	71	27.7 %
Your school, college or university	185	72.3 %

Question: Do you think your print/multi-functional devices are well maintained and fit-for-purpose?

Answer	Count	Percent
Yes	153	92.2 %
No	13	7.8 %
Don't know	0	0 %

Question: What do you principally use your printer/multi-functional devices for?

Answer	Count	Percent
Printing	128	76.6 %
Photocopying	19	11.4 %
Scanning	3	1.8 %
Sending Faxes	1	0.6 %
Don't know	0	0 %
Other - please specify	16	9.6 %

Question: When you print is the cost of your printing attached or allocated to your individual department?

Answer	Count	Percent
Yes	122	75.3 %
No	37	22.8 %
Don't know	3	1.9 %

Question: What priority is placed on print management and cost control within your school, college or university?

Answer	Count	Percent
High priority	52	32.1 %
Medium priority	80	49.4 %
Low priority	14	8.6 %
Not considered a priority	10	6.2 %
Don't know	6	3.7 %

Question: Does your school, college or university buy printers and multi-function printers via a framework agreement?

Answer	Count	Percent
Yes	65	40.1 %
No	67	41.4 %
Don't know	30	18.5 %

**Question: Do you have any applications/solutions on your printer and do you use them?
Please tick all that apply.**

Answer	Count	Percent
Scan to SharePoint	14	6.4 %
Equitrac	11	5 %
Safecom	8	3.7 %
Papercut	45	20.6 %
Ringdale	0	0 %
Scan to Network	60	27.5 %
Google Docs	10	4.6 %
Google Print	5	2.3 %
Other - please specify	22	10.1 %
We don't use any applications/solutions	20	9.2 %
Don't know	23	10.6 %

Question: Do your students use their own tablet computers in school?

Answer	Count	Percent
Yes - our students bring their own tablet/similar devices	72	44.7 %
No	43	26.7 %
No - but we are likely to introduce them in the future	26	16.1 %
Other - please specify	15	9.3 %
Don't know	5	3.1 %

Question: If you hold documents relating to pupils and students in hard copy, how much time per week would you say you spend backing up or scanning hard copy documents on a print device?

Answer	Count	Percent
Under one hour	37	24.3 %
One hour	11	7.2 %
Between one and three hours	10	6.6 %
Over four hours	3	2 %
We don't hold any documents relating to pupils and students in hard copy	23	15.1 %
Don't know	68	44.7 %

Question: If you could print your own test materials and use a print device to scan test papers for automatic marking, would that interest you?

Answer	Count	Percent
Yes	53	34.9 %
No	40	26.3 %
I already have access to this functionality	18	11.8 %
Don't know	41	27 %

Question: If you could write individual student reports on a computer and have them automatically collated with your colleagues assessments for each student, would that interest you?

Answer	Count	Percent
Yes	59	38.8 %
No	52	34.2 %
Don't know	41	27 %

Organisations

Abingdon and Witney College
 Ashbrooke House School
 Aspirations Academies Trust
 Balnacraig School
 Battle Abbey School
 Beaumont School
 Bedford Modern School
 Belmont Grosvenor School
 Berwick Middle School
 Birkenhead School
 Bishop Challoner Catholic Secondary School
 Bishopbriggs Academy
 Bluecoat Academy
 Brampton College
 Brimsham Green School
 Broadlands Academy
 Burnt Mill Academy
 Canterbury Christ Church University
 CCVI Sixth Form Centre
 Central Bedfordshire College
 Chafyn Grove School
 Cheadle Hulme School
 Chesterfield College
 Chulmleigh Community College
 College of Estate Management
 Coombeshead Academy
 Cranmore Prep School
 Cuckmere House School
 Dartford Grammar School for Girls
 De Lacy Academy
 DLD College London
 Dulwich Prep London
 East Riding College
 Edge Hill University
 Farnham Heath End School
 Finton House School
 Foxwood Academy
 Furze Platt Senior School
 Gillingham School
 Grace Academy Coventry
 Greenhead College
 Halesowen College
 Harwich And Dovercourt High School
 Hazeley School
 Highfields School
 Immanuel College
 Jordanhill School

Anglia Ruskin University
 Aquinas College
 Ashfield Girls' High School
 Auchenharvie Academy
 Barrhead High School
 Beachborough school
 Bedford College
 Belfast Metropolitan College
 Berkhamsted School
 Bethany School
 Bishop Challoner Catholic College
 Bishop Challoner School
 Blackfriars School
 Boroughmuir High School
 Bridgewater School
 Brine Leas High School
 Broomwood Hall School
 Bute House Preparatory School
 Castle Douglas High School
 Cefn Hengoed Community School
 CfBT Education Trust
 Chaucer School
 Cheltenham College
 Chipping Norton School
 Coleg Sir Gar
 Colston's School
 Corpus Christi Catholic Sports College
 Crosfields School
 D'Overbroecks
 Dauntsey's School
 Derby College
 Dudley College
 Dulwich Prep School
 Edgbaston High School for Girls
 Ellowes Hall Sports College
 Fife Council
 Flegg High School
 Fulwood Academy
 George Abbot School
 Gorgie Mills
 Grange Academy
 Guildford College Group
 Hammersmith Academy
 Haybridge High School and Sixth Form
 Herne Bay High School
 Hornsby House School
 Isambard Community School
 Keith Grammar School

Kesteven and Grantham Girls' School
Kingston Grammar School
Kirkham Grammar School
Leeds College of Building
Litcham High School
London School of Hygiene and Tropical Medicine
Loudoun Academy
Mark Rutherford School
Meadowfield School
Meldrum Academy
Merchant Taylors Girls' School
Montacute School
Nelson and Colne College
New College Telford
Northeast Manor School
Nottingham Roman Catholic Diocesan Education Service (NRCDES)
Oaklands Catholic School
Oasis Academy Immingham
Ormiston Sudbury Academy
Padworth College
Patcham House Special School
Queen Elizabeth's High School, Gainsborough
Quintin Kynaston School
Ripley St Thomas Church of England High School
Royal Alexandra and Albert School
Saints Peter and Paul Catholic College
Sarum College
Sevenoaks School
Shenfield High School
Sherbourne Fields School
Sir Frederic Osborn School
Skipton Girls' High School
Spratton Hall School
St Clare's, Oxford
St James' School
St John's College
St Margaret's Academy
St Mary's Church of England Middle School, Puddletown
St Paul's Girls' School
St. Luke's High School
Stanmore College
Stirling High School
Sunbury Manor School
The All Saints Church of England Academy
The Bicknell School
The Brookfield School
The Chorister School
The Cornelius Vermuyden School
The Grange School
The Harvey Grammar School
The Ladies College
The Nicholas Hamond Academy
The Priory School
The Thomas Alleyne Academy
The University of Manchester
Thorpe Hall School
Town Close House Preparatory School
Trinity High School
University Campus Suffolk
University of Cumbria
University of Glasgow
University of Hull
University of Southampton
Wales High School
Warwickshire College
Watford Grammar School for Girls
West Thames College
Wilberforce Sixth Form College
William Brookes School
Wiltshire College
Windermere School and Windermere Preparatory School
Wyggeston and Queen Elizabeth I College
York College

King's College London
Kingston University
Kirkwall Grammar School
Leith Academy
Livability
London South Bank University
Maidstone Grammar School
Meadowdale Middle School
Meadowhead School
Melior Community Academy
Minsthorpe Community College, A Specialist Science College
Myerscough College
New College Pontefract
Newport High School
Northumbria University
NPTC Group
Oasis Academy Hextable
Orchard School Bristol
Oundle School
Parkside Sports College
Pate's Grammar School
Queen Margaret University
Richmond Upon Thames College
Royal Agricultural University
Saint Gregory's Catholic College
Salisbury Cathedral School
Seaford Head School
Sheffield Hallam University
Sherborne Girls
Sherfield School
Sir Robert Woodard Academy
South Essex College
St Bede's School
St Hugh's School
St John's Church of England Voluntary Controlled School
St John's School
St Margaret's Church of England High School
St Mary's School
St Thomas More Catholic School Buxton
Staines Preparatory School
Stewarton Academy
Studley High School
Talbot House School
The Beacon School
The Bridge AP Academy
The Cavendish School
The Community School of Auchterarder
The Folkestone Academy
The Grangefield Academy
The King's School
The Milton Keynes Academy
The Priory Academy Lsst
The Sir Robert Woodard Academy
The University of Edinburgh
The University of Nottingham
Tormead School
Trinity College Dublin
Turrieff Academy
University of Aberdeen
University of Derby
University of Highlands and Islands
University of Leeds
University of St Andrews
Wallace High School
Waseley Hills High School and Sixth Form Centre
Wellington College
Weston College
Wilds Lodge School
Willows High School
Wimbledon High School
Wrenn School
Xaverian College
York House School

Conclusion

by Lexmark

The twin burden of administration and workloads of teaching staff is constantly hitting the headlines, with statements about the number of hours teaching staff are working each week.

The Department for Education, **Teachers' workload diary survey 2013**, released February 2014, highlighted that some teachers' reported working over sixty hours per week, but of those sixty hours per week, only nineteen were spent teaching. That report makes it clear that many teaching staff felt that too much time was spent on unnecessary and bureaucratic paperwork - with 13% citing too much paperwork and form filling and that the marking or recording of a pupil's progress was long winded and time consuming.

The **Print & IT Applications in Education Survey 2015** wanted to identify how educational institutions use IT technology - such as printers - and whether printer applications have been implemented to effectively manage paperwork or mark exam papers to reduce the time teaching staff spend on administrative tasks. This survey found that - whilst the majority of institutions were using printers purely for photocopying, printing and some basic applications - only 11% had implemented productivity boosting applications, despite 30% being interested in such technology. The survey also found that whilst over 50% of students brought tablet computers to schools less than 3% of survey respondents had any mobile print functionality in their educational institutions.

Key Points

- 88% are only using their printer to print or photocopy but there's so much more it can do, a printer can become your administration assistant or classroom assistant with the addition of a few simple productivity boosting applications.
- 82% believe that cost allocation is a relatively high priority but less than 30% are using print management applications to monitor and allocate spend.
- With over half of respondents already using Tablet computers - or declaring they're likely to be using them in the future - it is perhaps surprising to see less than 3% using any kind of mobile print application. Meaning that students are using table computers that they can't print from and therefore limiting the effectiveness of these devices to assist with coursework and research.

- Approximately 10% of respondents spend up to four hours scanning hard copy documents per week and 45% can't quantify the amount of time they are spending scanning hard copy documents. There are printers and applications available that can reduce this time. With applications like Scan to SharePoint it's possible to route scanned documents effectively by automatically saving them into designated shared folders on the network.
- 35% of respondents are interested in automatic marking. Lexmark was one of the first manufacturers to introduce a testing and grading solution, HTAG, using multifunction print devices. This is widely used in the United States, where they have almost weekly tests and mid-term exams. That's a lot of paperwork to keep up with!

What's clear from this survey is that whilst printer estates in educational institutions are perceived to be well managed, there's significant opportunity for enhancements, in terms of increasing the functionality of a printer, to help assist teaching staff and make their working life easier.

To help you maximise your print infrastructure investment and capitalise on the features and functions available, Lexmark has developed a wide range of smart MFPs which can help optimise and enhance your existing practices or processes, to help teaching staff focus on what they do best, teaching.

Lexmark's smart MFPs have a tested and easy-to-implement library of solutions that connect information to the software applications you use the most: SharePoint, PaperCut, Google Drive, Google Cloud Print, Airprint, Android Print service and more, thanks to our commitment to industry-leading applications. Depending on your needs, these solutions can be implemented in the cloud, on a server or through 'serverless' apps embedded on the smart MFP.

If you would like to learn more about Lexmark's smart MFPs and solutions, please contact Lexmark on **01628 518 759**.

Acknowledgements

The survey team at iGov Survey would like to take this opportunity to thank all of those who were kind enough to take part - and especially to those who found the time to offer additional insight through their extra comments. We would also like to thank our partner, Lexmark, for their assistance in compiling the survey questions, scrutinising the responses and analysing the results.

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