



Learning Hubs

Survey of School Pupils

Across Five Local Authorities

Dates: October 2006 – January 2007



Background

A survey of 324 children was carried out across Edinburgh, Lothian's and Scottish Borders in order to understand more about the views and interactions of our school children and technology. Ages range from 9 years old to 17 years old with the median being 11 years old. Below are the results.

2) In the past you may have used devices such as; a mobile phone, laptop computer, PDA, MP3 player or digital camera. If you were to design a device for use at both school and at home what would your device be able to do? What would it look like? Describe it as much as you can, size, screen size, colour, customisable features, would you need a keyboard? What features would it have and how would you use it?

- it would be called shine star. It would be multicoloured so it would be suitable for boys and girls. It would have an 13" flat screen. it would have a keyboard. it would be edicating for lots of people and young kids. you would get stickers with it so you could make it to your own liking. To activate it you would say"turn on" to shut it down you would say "turn off" it would come with some edicatinal games and a clear cover to put on top of it if little ones are using it. It would be a great christmas present for anyone EVEN for adults If you were looking for a job and you typed it in and your address it would find you the job clouse to your home and good money. It would be cheape enough for you to buy. It wouldnt cost you anything to run it. It would have a music downloader in it so you could download all you favourite tracks. It also comes with a chair and speakers. It would be great for children in the acadimy to use, it would be quick and easy to use. It would have an anti virious in it so you wouldnt have to pay for it there would be no pop ups in it so you wouldnt have to worrie about that. And last but not least it would be perfect for at home and at school.

- The ideal device that you seem to be looking for would, in my opinion, be able to emulate the functions of a laptop used in a school, like a personal organiser. Perhaps it would only have one software package for actual school work for example MS Word, but to make it more 'handy' Excel for example. For use in school a personal timetable could be used. The device would also need to connect to a computer or laptop for use at home or school, much in the way a pen drive works. Also a voice recorder would not go to waste if a lecture needed to be recorded for study later on in the day. Internet access would also be useful for leisure and study time. A mini keyboard is 'fiddily' and difficult to use however a touch sensitive screen can be difficult to use and read. However, perhaps using both may increase the appeal to users. It may seem a little bit far fetched but voice recognition for those with reading or writing difficulties would find it to be a 'godsend'. Inbult games, inbuilt camera and video recorder similar to that of a mobile phone would increase its useage during leisure time as well as an MP3 player. The size of the device would need to be small, again like a mobile phone purely for asthetics and ease of handling.

- xbox psp play games and little dvd player cd player download games

- Waterproof iPod, for swimmers- Bluetooth, infra red, mp3player, mp4 player, msn messenger, web cam, internet access, camera, text messaging, tv access, touch screen , radio, phone, limewire, download any game of all time, vidio camera

- mp4, vido player, music player, msn, internet, camera, phone peopol, games

- games, blueetooth, ifra red, camera, vidio player , phone people, text messages, internet access, touch screen, mp3 payer, mp4 player, tv access, msn messenger, diary , clock, limewire, download any game of all time , radio



- internet, games, Bluetooth, camera, video player, mp4 player- microsoft windows, colour dual , screens, touch screen keyboard, digital camera with night mode and video streaming, bluetooth/wifi/infrared compatible. changable face plates, surround sounds, downloadable games

high definition compatible, sky tv, smartboard compatible.

- MY DEVICE WOULD HAVE A SAT/NAV, BLUETOOTH, INFRA/RED, BUILT-IN PHONE, VIDEO-PLAYER (MP3/MP4), GAMES, WI-FI, SD CARD, 2-TONE COLOUR, (PETROL EFFECT), USB CONNECTION, A DIGITAL CAMERA, I-TUNES, GLOW IN THE DARK BUTTONS, A PHOTO EDITOR, DVD PLAYER, BUILT-IN PENCIL CASE, TV ACCESS, TV REMINDER TONE, WORD ACCESS, CLOCK/ALARM, SIM CARD SLOT, TEXT MESSAGING, TOUCH SCREEN, SLIDE DOWN KEYS AND INTERNET ACCESS. THE DEVICE WOULD BE ABOUT THE SIZE OF A PSP.

- it would be a laptop type thing that you bring to school, but it will be the size of a PDA. and when u bring it home you can plug it into speakers and listen to music. so it will just be a pc the size of a pda

- MP3 player, PDA, Internet, red.

- video camera mp3 infra-red blue-tooth internet chat on msn it's like a phone and camcorder it be green the size of a ur index finger small screen and xbox and ps2 compatible water proof

- The thing i would make would be an mp3/pc it would look like an mp3 player it will play songs that you upload to it just like a normal mp3 player but it will have a slide up keyboard and an internet button you would just click on it and you will be on the internet and you can go on any website. It will come in a variety of colours it will be about the size of your palm it will cost about £85.00 and it costs about £3.50 a week for the internet and you can get a top up card for it like phone.

- i would make a device that lets you download games play ps2 games pc games compatible with any kind of feature and for a very low low price such as £100 but faster to load internet to be better than broadband

- my idea is never need to sharpen pencil, It's just like a normal pencil except, the lead never goes blunt. made from maple wood it is sturdy yet flexible.

- I would make a device which can play games on it , have dvd player internet and also it would only cost £200, i would also have a funky control that would look like a football.....





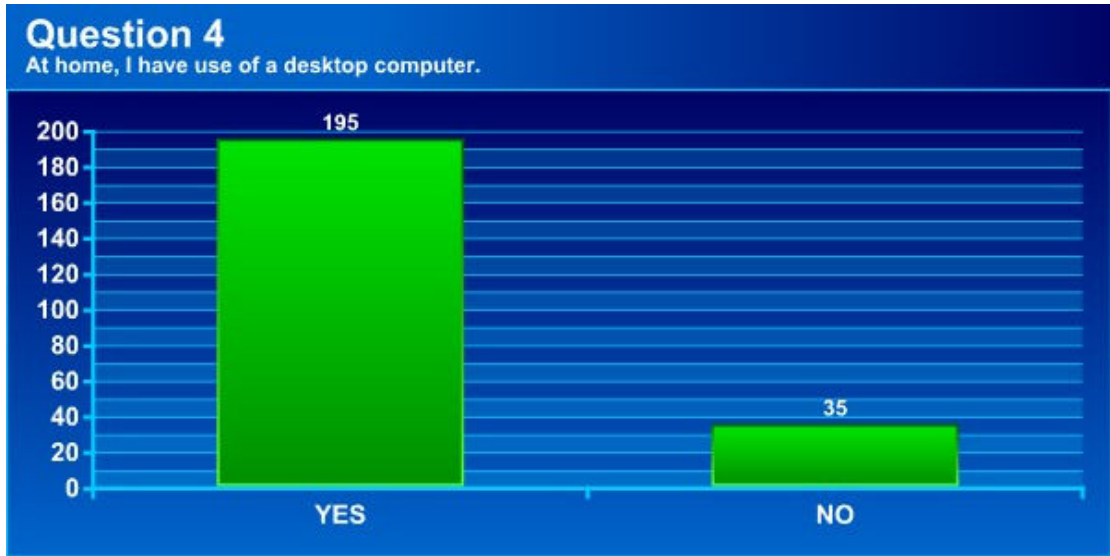
3) On a scale of 1 to 5, (1 = not important 5 = very, very important) how important do you think it is to have a each of the below features on your ideal device.

	1 Not important	2 Slightly important	3 Important	4 Very important	5 Essential	Average Score
Internet connection (browser)	4 (1.75%)	16 (7.02%)	53 (23.25%)	48 (21.05%)	107 (46.93%)	4.04 / 5 (80.80%)
Instant messaging	24 (10.57%)	55 (24.23%)	64 (28.19%)	44 (19.38%)	40 (17.62%)	3.09 / 5 (61.80%)
MP3 player	42 (18.34%)	57 (24.89%)	57 (24.89%)	31 (13.54%)	42 (18.34%)	2.89 / 5 (57.80%)
e-mail	12 (5.36%)	34 (15.18%)	64 (28.57%)	62 (27.68%)	52 (23.21%)	3.48 / 5 (69.60%)
Calendar	34 (15.04%)	44 (19.47%)	62 (27.43%)	30 (13.27%)	56 (24.78%)	3.13 / 5 (62.60%)
Contacts	11 (4.89%)	31 (13.78%)	76 (33.78%)	52 (23.11%)	55 (24.44%)	3.48 / 5 (69.60%)
Word Processing	13 (5.73%)	25 (11.01%)	47 (20.70%)	66 (29.07%)	76 (33.48%)	3.74 / 5 (74.80%)
Note pad	33 (14.67%)	53 (23.56%)	55 (24.44%)	41 (18.22%)	43 (19.11%)	3.04 / 5 (60.80%)
Sketch pad	41 (18.22%)	53 (23.56%)	62 (27.56%)	38 (16.89%)	31 (13.78%)	2.84 / 5 (56.80%)
WebCam	47 (20.70%)	45 (19.82%)	44 (19.38%)	46 (20.26%)	45 (19.82%)	2.99 / 5 (59.80%)
Digital Camera	34 (15.11%)	48 (21.33%)	58 (25.78%)	45 (20.00%)	40 (17.78%)	3.04 / 5 (60.80%)
Video Recording	30 (13.27%)	50 (22.12%)	63 (27.88%)	40 (17.70%)	43 (19.03%)	3.07 / 5 (61.40%)
Audio recording	31 (13.72%)	44 (19.47%)	66 (29.20%)	47 (20.80%)	38 (16.81%)	3.08 / 5 (61.60%)
Phone	34 (15.11%)	35 (15.56%)	46 (20.44%)	46 (20.44%)	64 (28.44%)	3.32 / 5 (66.40%)
Presentation capabilities	11 (4.91%)	39 (17.41%)	68 (30.36%)	53 (23.66%)	53 (23.66%)	3.44 / 5 (68.80%)
PDF reader	17 (7.56%)	28 (12.44%)	68 (30.22%)	54 (24.00%)	58 (25.78%)	3.48 / 5 (69.60%)
File Manager	12 (5.33%)	30 (13.33%)	53 (23.56%)	64 (28.44%)	66 (29.33%)	3.63 / 5 (72.60%)
File Storage	10 (4.48%)	17 (7.62%)	54 (24.22%)	62 (27.80%)	80 (35.87%)	3.83 / 5 (76.60%)
Keyboard	18 (8.00%)	22 (9.78%)	43 (19.11%)	36 (16.00%)	106 (47.11%)	3.84 / 5 (76.80%)
Small screen (less than 6")	86 (38.57%)	41 (18.39%)	44 (19.73%)	25 (11.21%)	27 (12.11%)	2.40 / 5 (48.00%)
Medium screen (6" to 14")	30 (13.76%)	42 (19.27%)	56 (25.69%)	41 (18.81%)	49 (22.48%)	3.17 / 5 (63.40%)
Large screen (15" or greater)	47 (21.17%)	34 (15.32%)	50 (22.52%)	41 (18.47%)	50 (22.52%)	3.06 / 5 (61.20%)
Handwriting recognition	20 (8.97%)	25 (11.21%)	65 (29.15%)	58 (26.01%)	55 (24.66%)	3.46 / 5 (69.20%)
Voice recognition	17 (7.66%)	48 (21.62%)	54 (24.32%)	41 (18.47%)	62 (27.93%)	3.37 / 5 (67.40%)
CD R/W	22 (9.87%)	30 (13.45%)	57 (25.56%)	53 (23.77%)	61 (27.35%)	3.45 / 5 (69.00%)
DVD player	19 (8.56%)	31 (13.96%)	47 (21.17%)	52 (23.42%)	73 (32.88%)	3.58 / 5 (71.60%)
DVD R/W	21 (9.63%)	41 (18.81%)	52 (23.85%)	43 (19.72%)	61 (27.98%)	3.38 / 5 (67.60%)
						3.31 / 5 (66.20%)





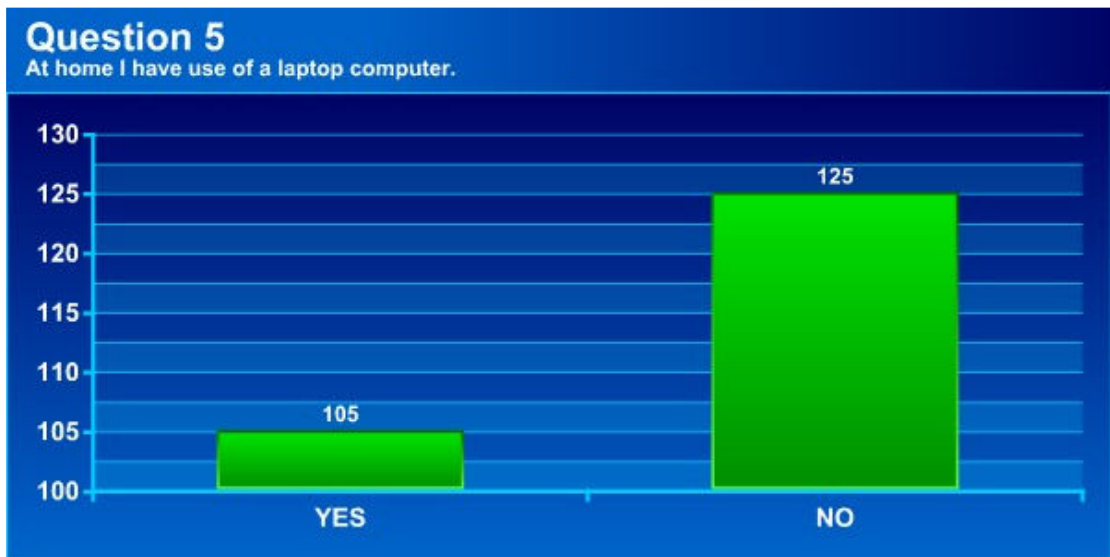
4) At home, I have use of a desktop computer.

		Percentage	Responses
True		84.8%	195
False		15.2%	35
		Total responses:	230



5) At home I have use of a laptop computer.

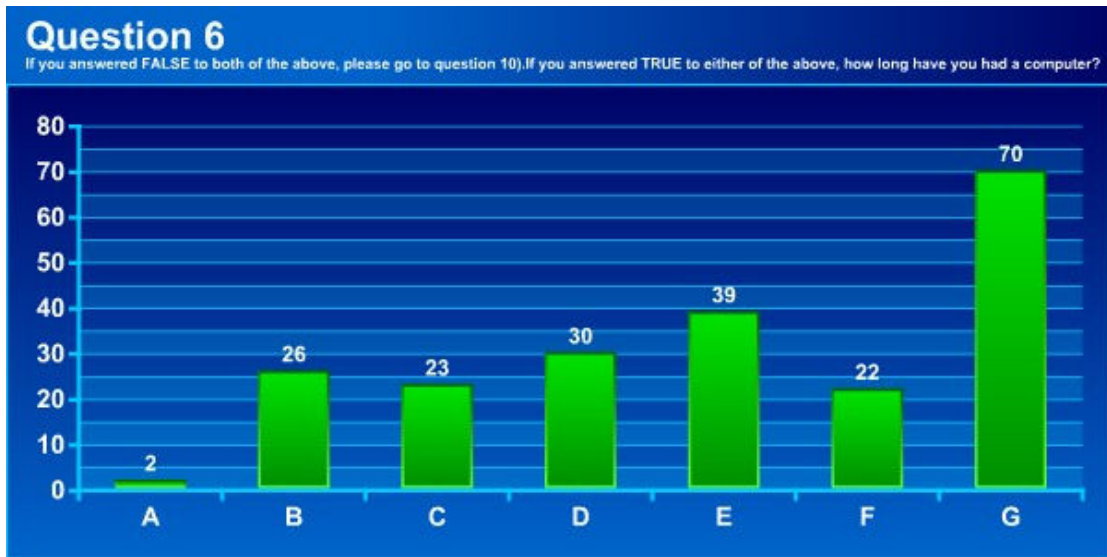
		Percentage	Responses
True		45.7%	105
False		54.3%	125
		Total responses:	230





6) If you answered FALSE to both of the above, please go to question 10).
 If you answered TRUE to either of the above, how long have you had a computer?

		Percentage Responses	
Please select		0.9	2
less than 1 year	■	11.3	26
1 year	■	10.0	23
2 years	■	13.0	30
3 years	■	17.0	39
4 years	■	9.6	22
more than 5 years	■	30.4	70
Total responses:			230

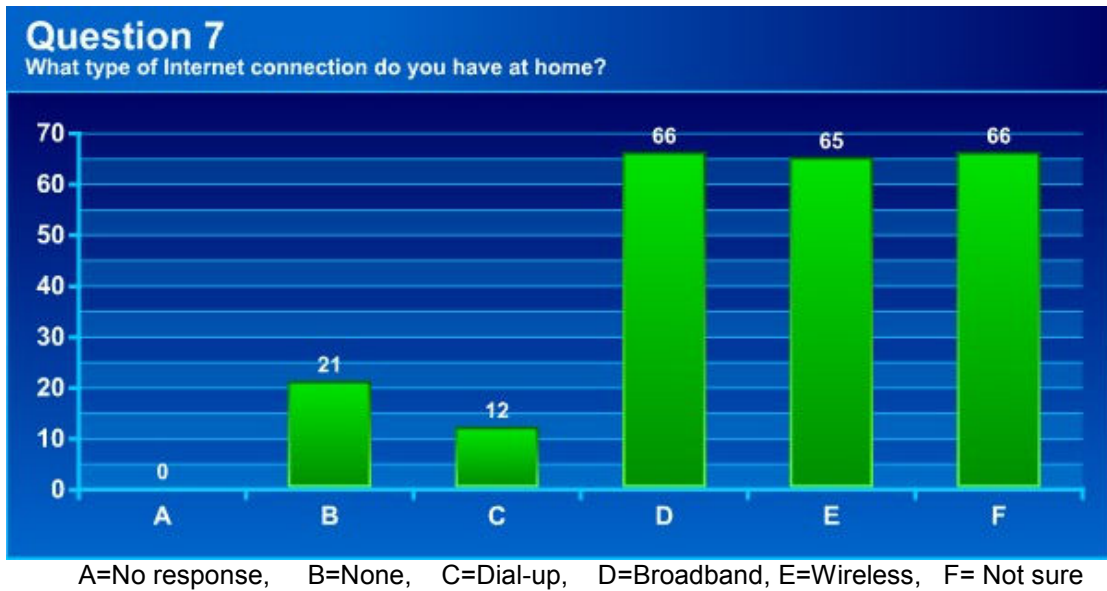


A =No response, B=<1 year, C=1 year, D=2 years, E=3 years, F=4 years, G>4 years



7) What type of Internet connection do you have at home?

		Percentage Responses	
Please select		0.0	0
None	██████████	9.1	21
Dial-up	██████	5.2	12
Standard broadband	██████████	28.7	66
Wireless broadband	██████████	28.3	65
Not sure	██████████	28.7	66
		Total responses:	230

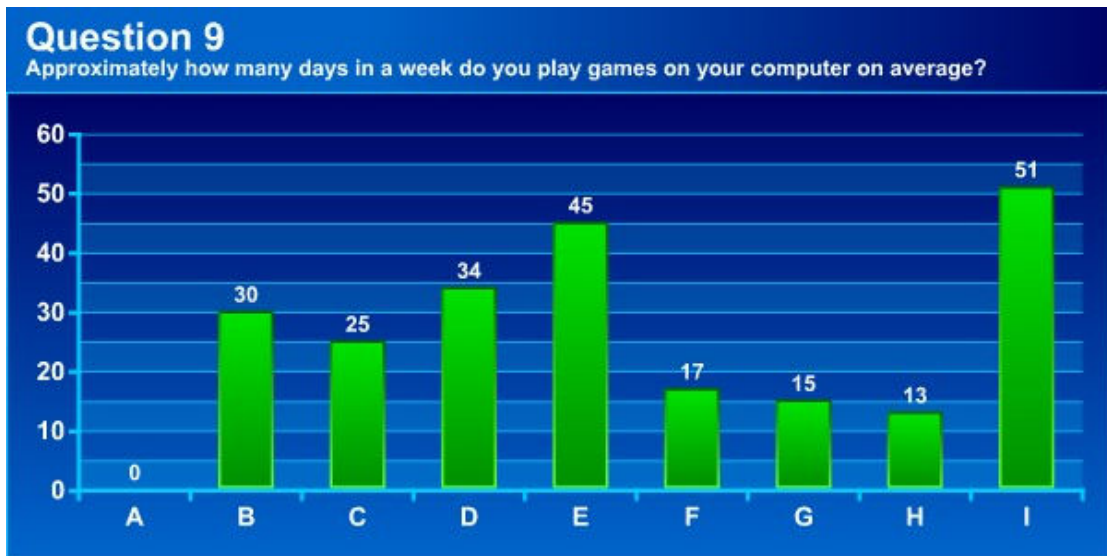


A=No response, B=None, C=Dial-up, D=Broadband, E=Wireless, F= Not sure



9) Approximately how many days in a week do you play games on your computer on average?

		Percentage Responses	
Please select		0.0	0
Never	█	13.0	30
1 day	█	10.9	25
2 days	█	14.8	34
3 days	█	19.6	45
4 days	█	7.4	17
5 days	█	6.5	15
6 days	█	5.7	13
7 days	█	22.2	51
Total responses:			230

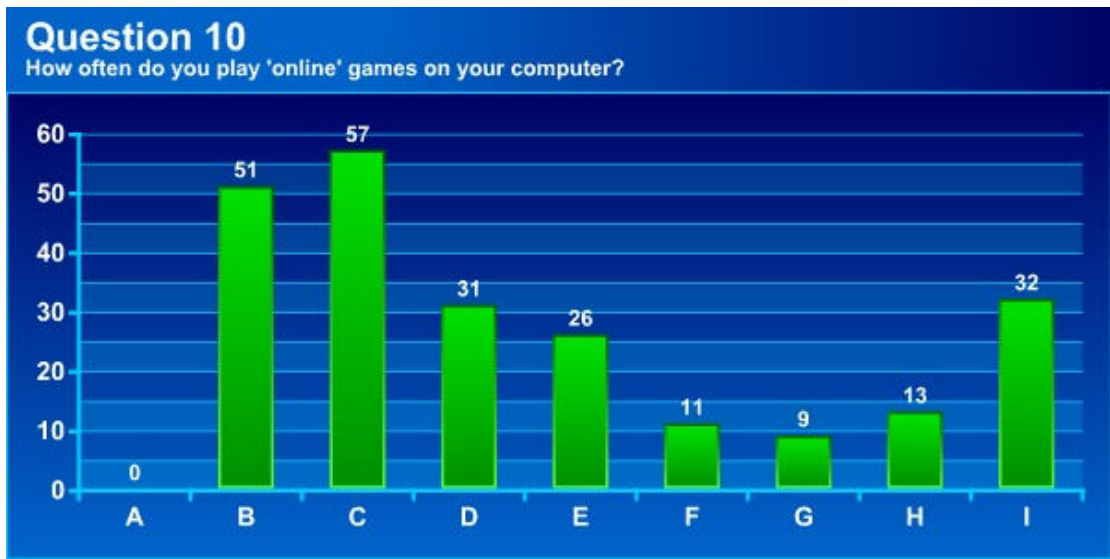


A=No response, B=0, C=1 day, D=2 days, E=3 days, F=4 days, G=5 days, H=6 days, I=7 days



10) How often do you play 'online' games on your computer?

		Percentage Responses	
Please select		0.0	0
Never	██████████	22.2	51
1/week	██████████	24.8	57
2/week	██████████	13.5	31
3/week	██████████	11.3	26
4/week	██████████	4.8	11
5/week	██████████	3.9	9
6/week	██████████	5.7	13
7/week	██████████	13.9	32
		Total responses:	230

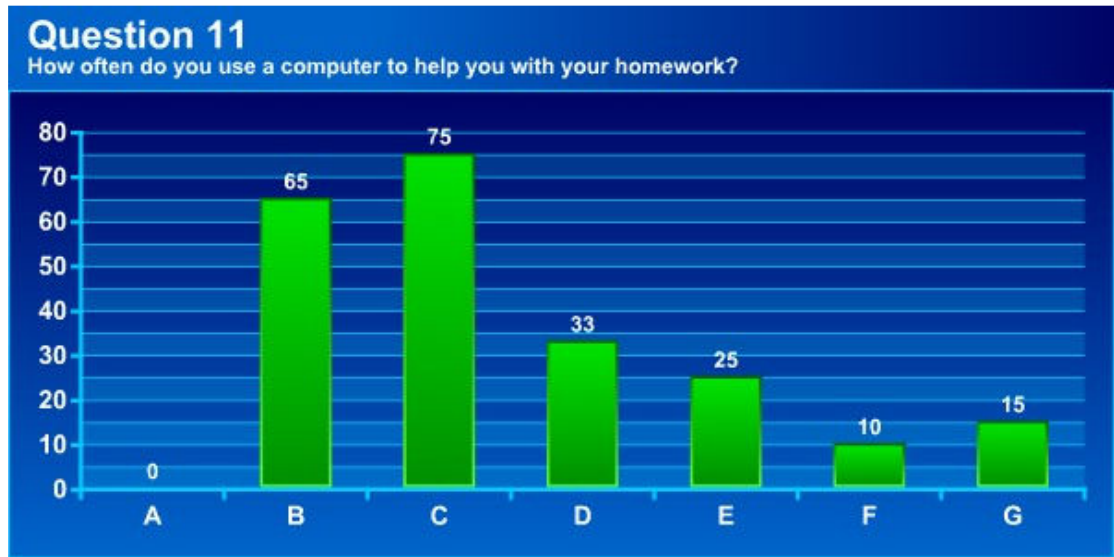


A=No response, B=0, C=1 day, D=2 days, E=3 days, F=4 days, G=5 days, H=6 days, I=7 days



11) How often do you use a computer to help you with your homework?

		Percentage Responses	
Please select		0.0	0
Never	██████████	29.1	65
1/week	██████████	33.6	75
2/week	██████████	14.8	33
3/week	██████████	11.2	25
4/week	██████	4.5	10
5/week	██████	6.7	15
Total responses:		223	



A=No response, B=Never C=1/week, D=2/week, E=3/week, F=4/week, G=5/week,



12) Can you describe what you use to help you, with your homework i.e. browsing the internet for information, type of software used, e.g. word processing, power point, etc?

Complete list of all responses given to this question

- word processing and the internet
- internet. word processing. google pictures.
- never
- I LOOK UP THE WEB PAGE
- PS2
- not sure
- browsing
- I use the internet for information and then use microsoft word to type out the information in my own words.
- i use google to search good websites
- I use Internet Explorer
- browsing the internet and using word documents
- microsoft word and internet
- I use the internet to help me with my homework.
- Searching the internet
- At home I use Google search or Wikipedia
- yes
- Internet and browsing the internet
- no
- power point
- my gran
- internet
- my brother
- i use google search so like if i had a space topic i would do 'space info' and if it is pictures of space i click on images
- no
- notepad internet
- notepad
- ask ieeves kids
- internet informatin
- not sure
- internet
- google
- internet
- i never use it
- i used it for maths
- not shure
- i vouse a laptop
- absolutlev



- i use the internet to aet richer
- ooale
- I use internet for mv homework to look for research
- the internet and word processinga.
- ao on the internet to helo me with mv homework
- browsina the internet and word procesina
- word processinga
- browsina the internet
- I onlv use the internet and microsoft word.
- I use the cumputer for historv home work
- sometimes word proseccer or the internet for information and power point
- Goina on Goode Search
- The Internet.
- Internet. word processinga
- Browsina the internet
- I use internet for homework
- nothina
- Word Processina and Powerpoint because they helo vou exolain thinas and its faster for me.
- INTERNET
- I use microsoft word for mv homework and i also use the internet for research
- internet. note pad.etc
- I USE THE INTERNET 2 FIND INFO ON MATH AND GRAMER BUT NOT A LOT
- I use Note Pad. Word Proseccer and
- ooale
- internet word pad
- For info
- I browse the internet for information and word prosssingina
- I use the internet to research and word processinga to tvøe up a proiect too.
- I browse the internet for information then use microsoft word
- word processinga
- Word Processina. Word Art
- word art internet
- Usina the internet and microsoft word
- I use ask ieeves
- word processinga powerpoint
- browsina for information
- I use the internet to research for mv homework and to tvøe down and edit mv work i use microsoft power point and
- i use the internet most of the time but occasionally i use microsoft word processinga
- the basics
- Browsina Internet for information
- I use the internet to browse and then use word processor
- Web Browsina. Email Access. Presentstion Software. other General Purpose Packaaes



Learning Hubs - Scotland's future resides in the minds of pupils whose potential to thrive is limited only by their opportunity to learn

- word processing. internet websites
- Mum and Dad
- my own brain
- dictionary
- internet
- use myself
- My dad and a dictionary
- My brain. Computer at my Dad's and I can only use it at week ends
- no
- internet
- In the internet
- computer
- internet and word pad
- Internet browsing and microsoft office utilities
- internet. word processing. paint. notepad. power point
- Internet. calculator. word processor.
- word processing. web browser
- Word processing. online course notes.
- google
- none
- internet and microsoft word.
- powerpoint
- internet power point
- browsing the internet for information. word processing.
- browsing the internet
- projects
- personal project
- Books
- the internet
- Word processing and surfing the net
- find in internet.
- internet
- browsing the internet
- word processing
- I usually search on my schools website.
- browsing the internet
- word
- nothing on the computer
- i don't use the internet to help me with my homework. I am not allowed.
- internet
- browsing the internet for information . word processing. power point
- find in internet

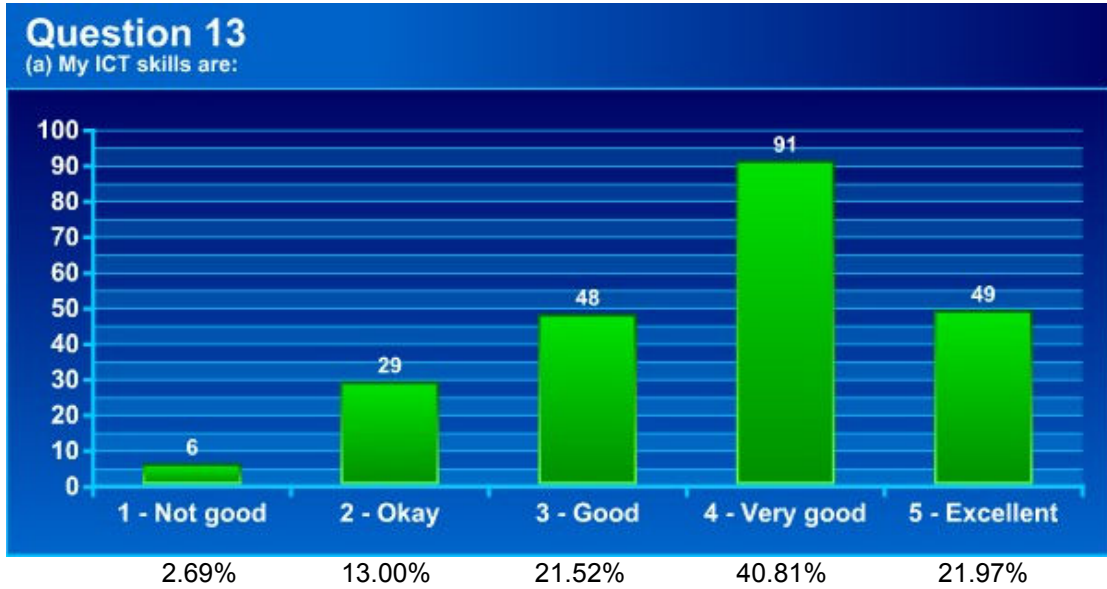


Learning Hubs - Scotland's future resides in the minds of pupils whose potential to thrive is limited only by their opportunity to learn

- Google search engine
- internet broadband
- Infoedia.
- word process
- i go on wikipedia or type it in on google info
- browsing the internet and word processing.
- browsing the internet
- maths english tests
- internet
- Google search engine
- internet
- projects
- power point
- projects
- maths .language.projects
- project
- internet for project
- Word Processor. Publisher. Internet sometimes
- internet word processing
- browsing the internet
- Word processing
- google
- None
- Google search.vahoo
- word processing
- the internet's dictionary sometimes and sometimes the internet
- go on the internet or go on to google search
- I use a search engine and word processor
- internet word processing
- msn di mixing
- getting pictures off google or typing up homework
- i go on the internet to find lots of things about what we are studying at school.
- none
- nothing
- Google is my preferred choice.
- none
- bbc bitesize helps
- I Use my internet connection. Presentation software. word processing
- my mum helps me
- word processing
- research web for history etc



13) On a scale of 1 to 5, how good would you say your ICT skills are?





14) Do you have a MP3 player and if yes, what kind is it?

Complete list of all responses given to this question

- nintendo ds
- ves a olav station 2.
- ps2. psp. gamebov advance sp ps1
- no
- no
- NO
- PS2
- not sure
- ps2. ps1. mecadrive
- ves
- ves gamebov coloured.ocket gamebov.ds
- atari snez supernitendo nitendo64 ps1 ps2 gamecube xbox allaame bovs ds pso seaa xbox 360
- PS1 PS2 Xbox nintendo ds PSP
- Sonv PSP and PS2. Nintendo DS. Microsoft Xbox 360
- ps2 nintendo ds and soon xbox 360
- I have a Nintendo DS Lite
- I have a nintendo gamecube and i have a nintdo ds
- Nintendo DS lite
- ps2
- PS2 and DS
- ves
- gamecube . olavstation nintendo wii ps2 nintendo ds
- i have a ps2 xbox and xbox360 pso aba
- ds game bov game cube
- ps2 sliver
- nintedo ds
- ps2
- ves.nintendo ds.it is pink.
- no
- ps2
- no
- sind ball foot ball bastic ball
- no
- olavstation
- ps2
- i have ps2
- ves buit dont know
- ps2 pso gamebov



- ps2
- ds
- ps1 ps2 game cube
- xbox ps1 ps2 psp
- ps2 xbox xbox 360 psp
- a playstation 2 and a psp
- ps2 nintendo ds game boy
- psp nintendo ds xbox360 ps2 gameboy
- PlayStation
- no
- psp ps2 game boy colour nintendo ds
- play station 2 and nintendo ds
- play station 2
- i have a ds
- gamecube ps2 nintendods gameboy
- no
- xbox psp game boy ds
- xbox and gameboy
- nintendo ds lite
- nintendo ds black
- psp ps2
- game boy advanced
- nintendo ds ps2
- ps2 psp
- No.
- nintendo ds
- i have a gameboy a psp a ps2 a xbox . and a pc
- ps2
- xbox 360 2x ps2 2xpsp and a gameboy sp
- Nintendo Wii and a nintendo DS
- xbox
- no
- yes an x box 360
- Yes.. A Gameboy and a Playstation 2.
- PS2. Gameboy. nintendo ds lite
- Ps2.Nintendo Ds
- no
- ps2
- I have a ds and xbox360. ps2 and an gameboy advanced sp
- GAME BOY 2 PLAY STATION 2
- Yes I do have a game console. its an xbox but i hope to win the xbox360.
- yes nintendo .ps2.psp



- YES XBOX . P.C AND LAPTOP
- PS2. Xbox. Xbox360. 2 Game Boys. Nintendo DS. Lap Top
- nsp.
- ds
- PSP.PS2.GAMEBOY ADVANCE
- Yes a play station 2
- ves i have a gamebov
- A PS2. PC. PSP. GBA sp and Xbox
- PS2 XBOX PC GBA NDS AND NDSLITE
- Playstation 2
- inten ds
- olavstion 2
- Ps2
- olav station 2
- ns2 gamebov. pc. nsp
- ns2
- olavstation 2.olavstation portable
- Yes and i hope this doesnt affect mv chances of winnina cause ive got alot i got a xbox.2 ns2s that we have to share.a
- no
- nsp wii
- nsp wii
- PSP.PS2.Gamebov advance
- ves.A PS2 and mv laptoo
- Gamecube. PS2
- ves olavstation 2
- Nintendo DS
- olavstation2
- ves
- none
- ns2 and xbox
- Yes. Playstation
- no
- olav station nsp
- xbox
- nintendo ds
- olavstation2. nsp .nintendo ds. game bov advance.
- ns2
- olavstation 1
- Yes. Nintendo DS. Gamecube. GB Advance. PS1
- ves ns2 and nsp
- no
- ves xbox 360. xbox



- playstation
- ves xbox
- Playstation
- ves ps2 xbox 360
- ves ps2
- ps2.gameboy advance
- Playstation 2
- ves.Nintendo DS
- ves ps2
- xbox. xbox 360. atari zx spectrum. playstation.PS2. GB. GBA. gamecube. N64. Mega Drive.
- gameboy advance sp. ps2. xbox. xbox360
- PS2. Playstation.
- PS2
- Xbox 360. Xbox. PSP. Playstation 2. Playstation. GBA. GB. Megadrive. N64. Atari ZX Spectrum.
- ves.they are a xbox.a ds.a game boy advance and a game boy colour
- ps2 ps2
- ps2
- ves playstation 2
- xbox.xbox360 and a ps2.
- playstation2
- nintendo DS
- PlayStation 2.
- nintendo
- ps2 and PS2
- playstation 2
- Playstation 2
- ves playstation 2
- ps2
- ps2.play station1
- ps2
- nintendo ds and a gameboy.
- PS2
- sonv
- no
- ps2 and a ps2
- play station 2
- Playstation 2
- gamecube play station
- ps2.ps2.ps1
- a nintendo64
- ps2. nintendo ds
- sonv



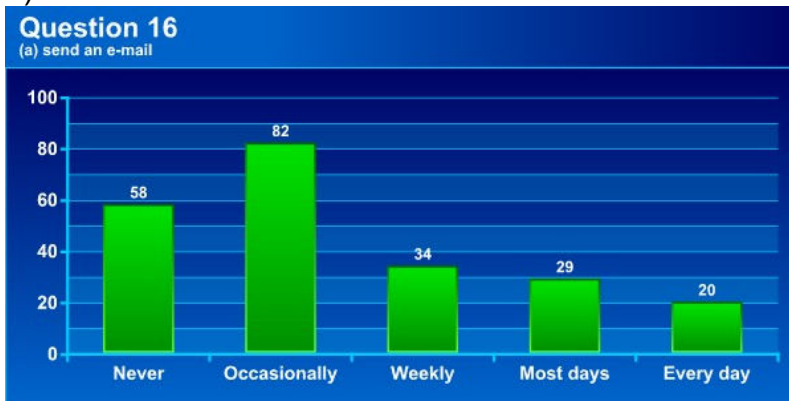
- Play Station 2 . Gamebov . Nintendo DS
- PS2.online game
- Playstation2. XBox. gamebovs(2).
- Yes
- Xbox PSP DS PS2 GBA Game Cube Xbox360
- Yes Gamebov
- olav station
- Xbox and a Playstation2
- Playstation 1
- ds2 xbox pc aba
- PSP
- ds2.
- x box.playstation.gamebovadvance
- Xbox 360. gamecube
- ves nintendo DS and a playstation 2
- ves.ds2
- nintendo ds. gamebov advance
- ves a ds2
- ves.ds2
- ds2
- ds2
- playstation 2
- no
- ds2
- ves
- xbox
- Xbox. Nintendo DS. SNES
- ves gamecube
- ds2
- no
- ves PS2
- Yes PS2 PS1
- ves ds1 and ds2
- ves game bov advance playstation 1 and playstation 2 and game bov colour
- PS2
- ves.PS1
- Gamebov advance. Xbox
- ves ds2
- ves playstation 2
- ds2
- i have a ds and a play station 2 to share with mv brother but i dont play with it or mv ds alot.
- PSP and playstation



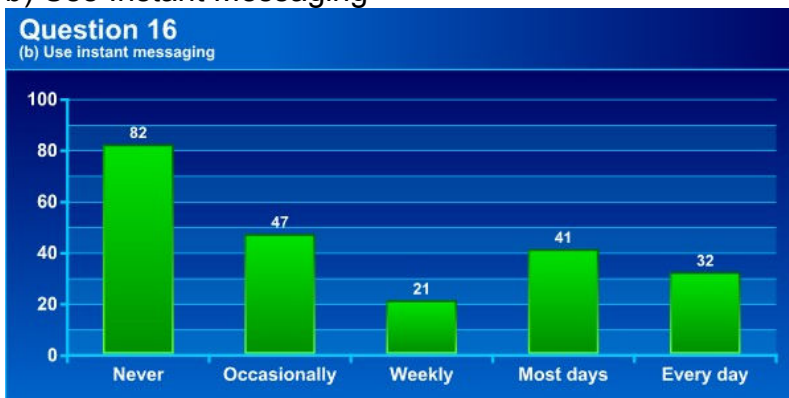
- PSP and ps2
- PS2
- xbox plav station
- ps2
- i have a plavstation 2
- ps2 psD
- plavstation2. x box
- YES PSP. 2 PS2S PC NINTENDO 64. PS1 CHEP KIND OF NINTEDO DS
- ps2
- Yes. I have a PSP. and a PS2
- PS2
- pc ps2 xbox
- ves sonv plavstation 2 and an xbox
- ih
- ves its a ps2 x box
- ves i have a PSP
- ves i have ps1 ps2 xbox nitendo ds

16) How often do you do the following things?

a) Send and e-mail

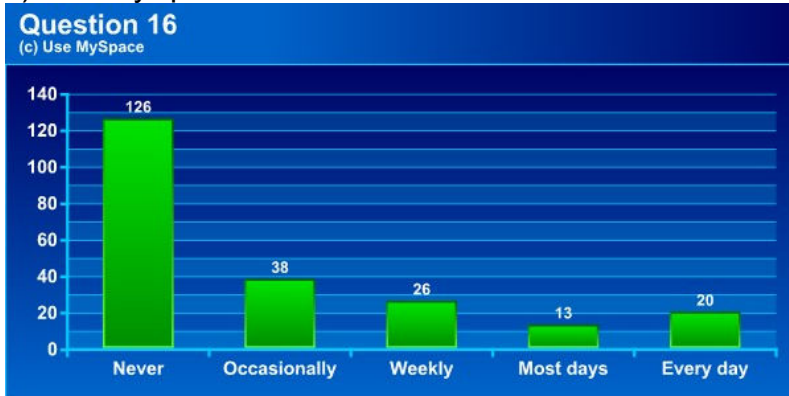


b) Use Instant Messaging

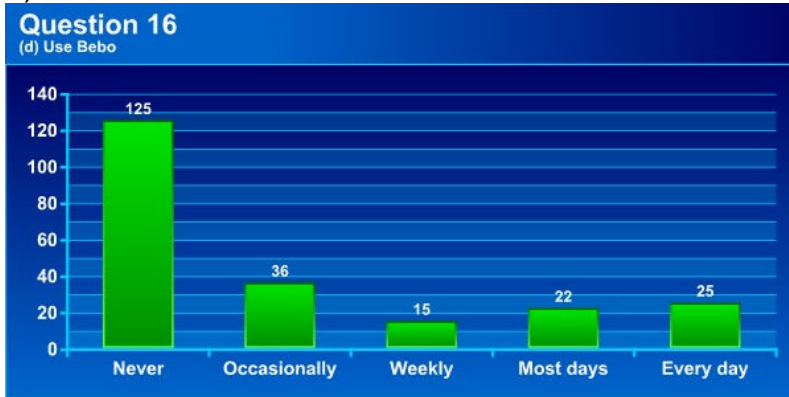




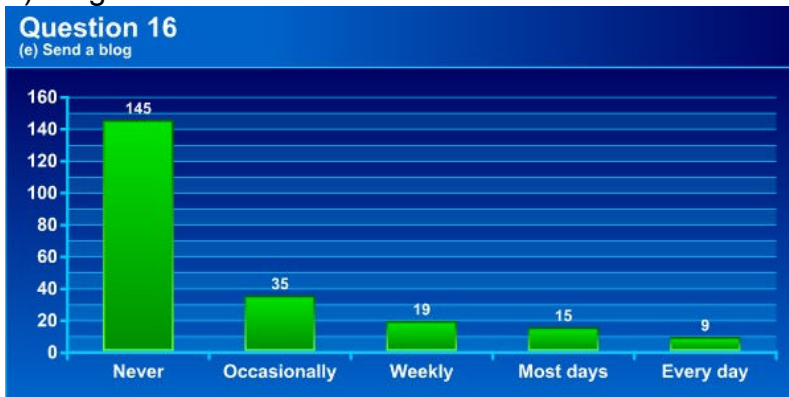
c) Use MySpace



d) Use Bebo

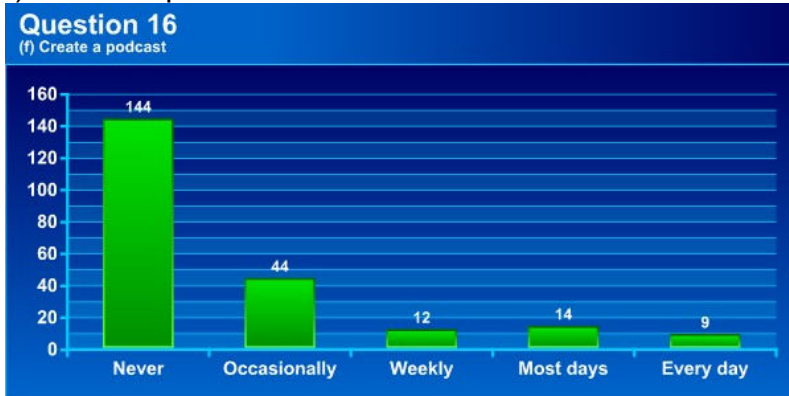


e) Blog

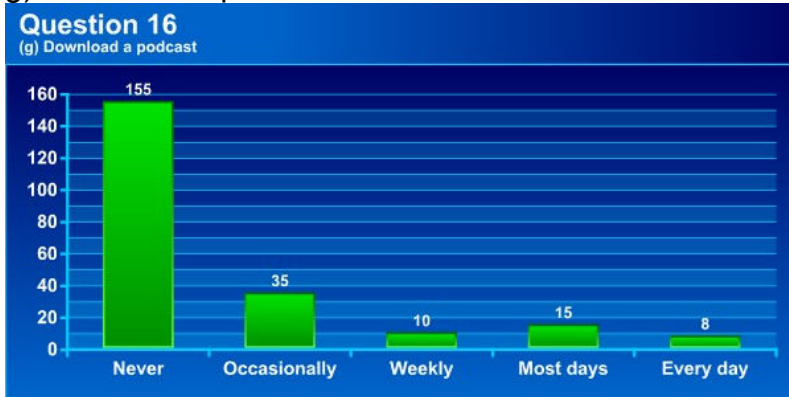




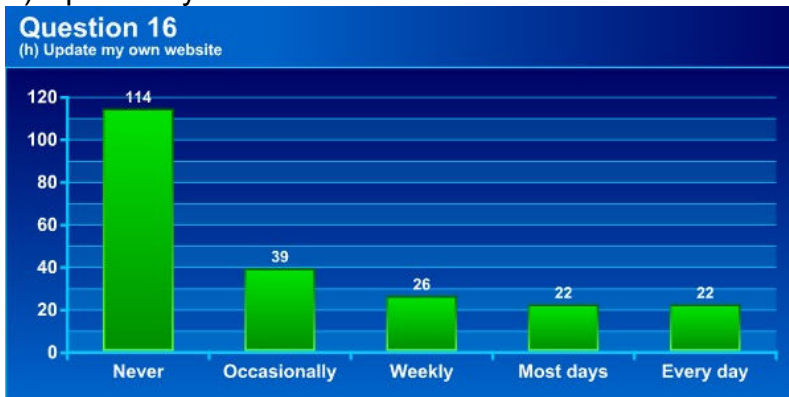
f) Create a podcast



g) Download a podcast

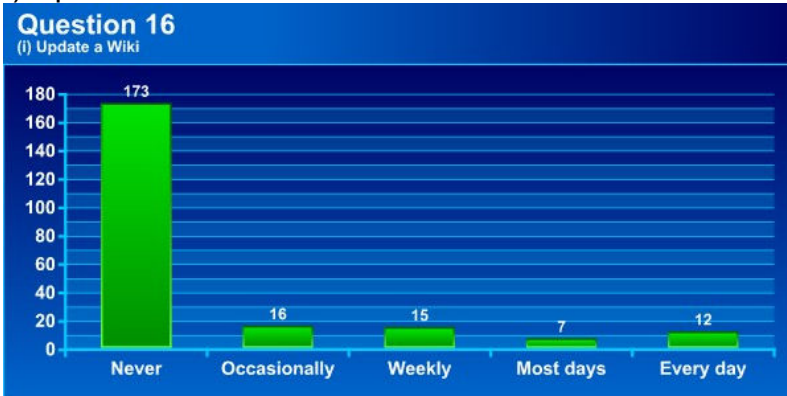


h) Update my own website

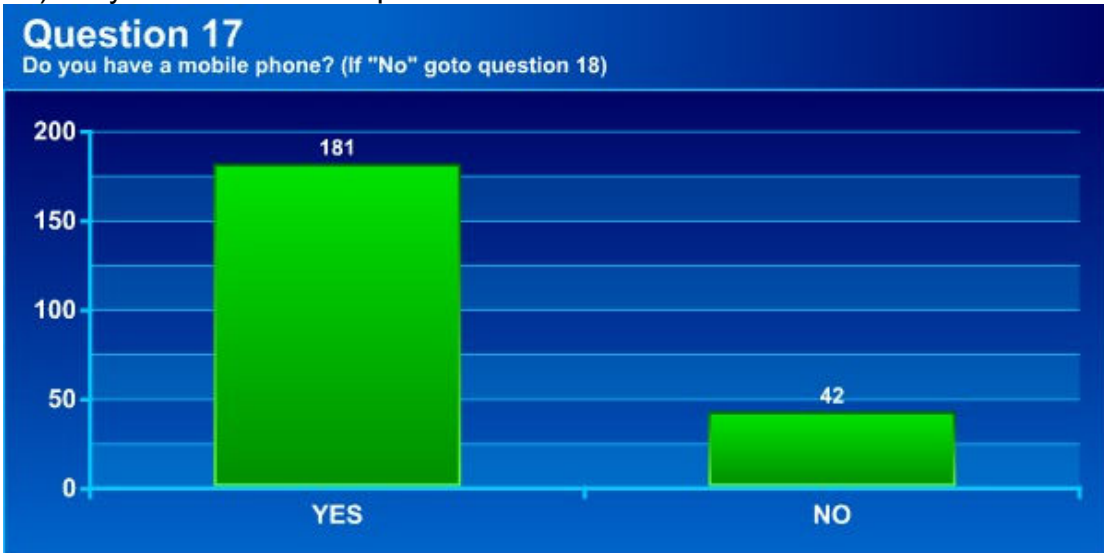




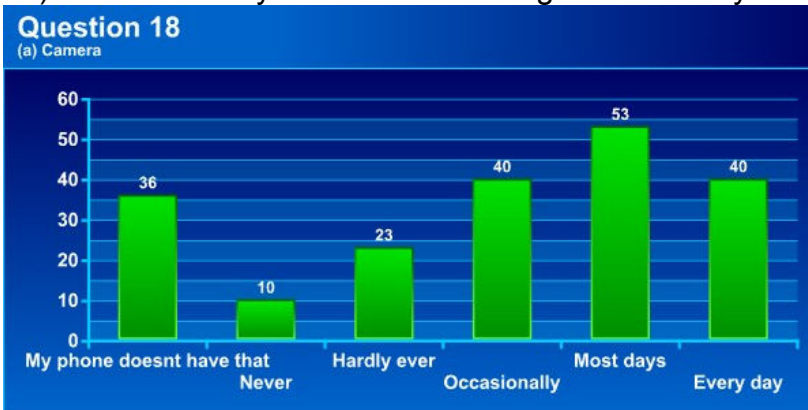
I) Update a wiki



17) Do you have a mobile phone?

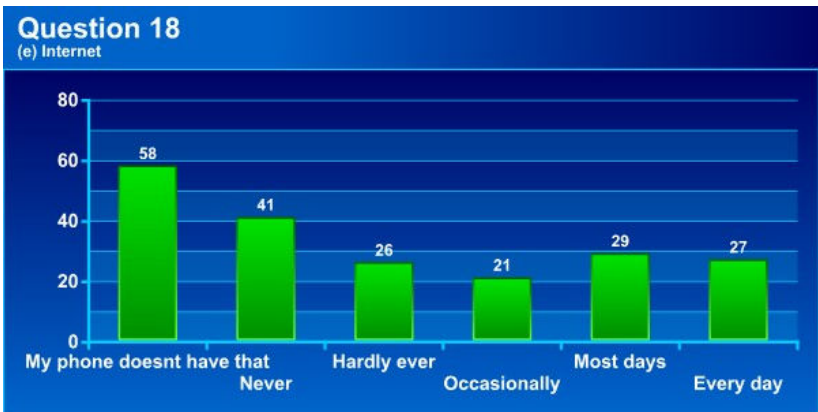
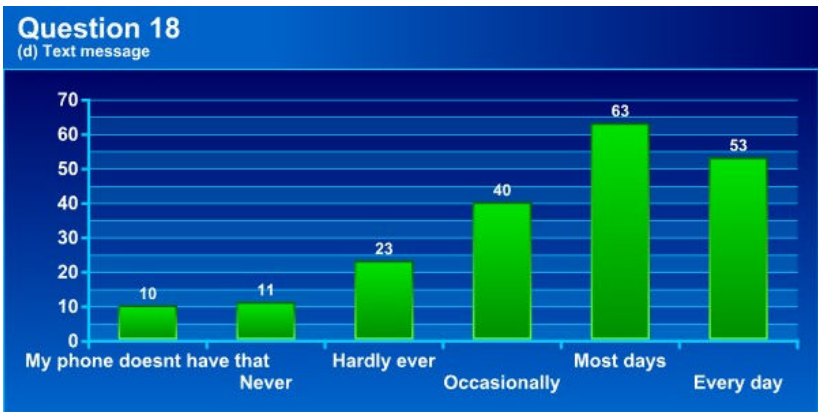
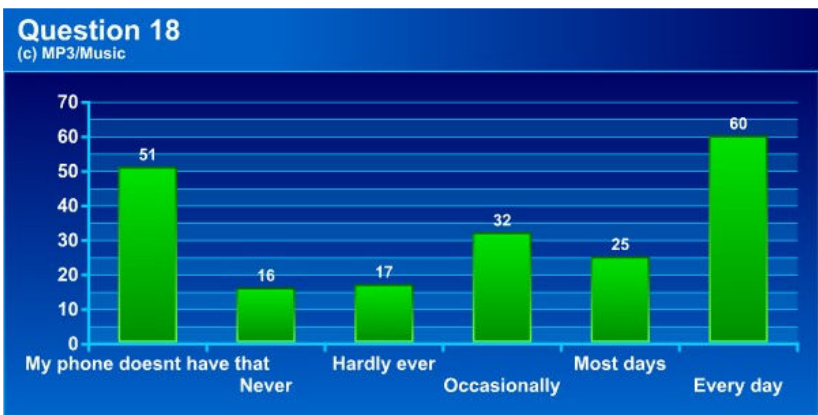
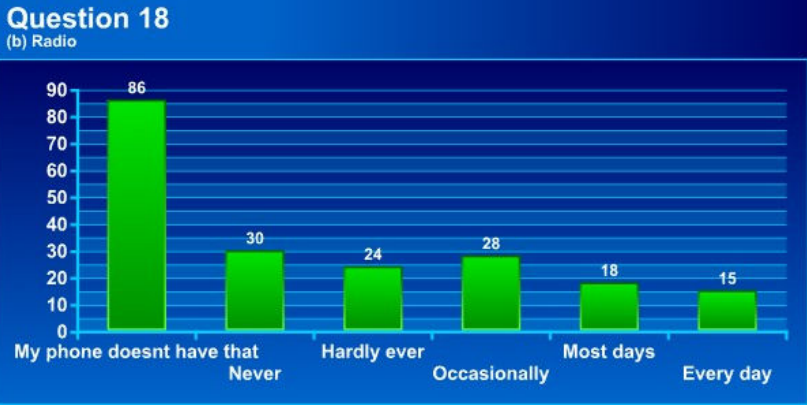


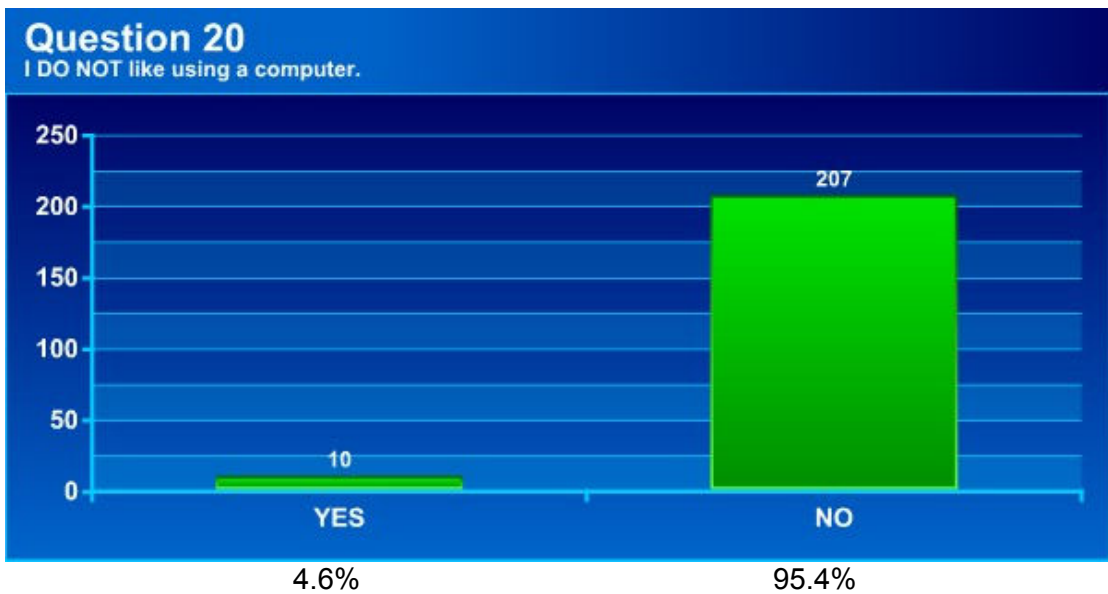
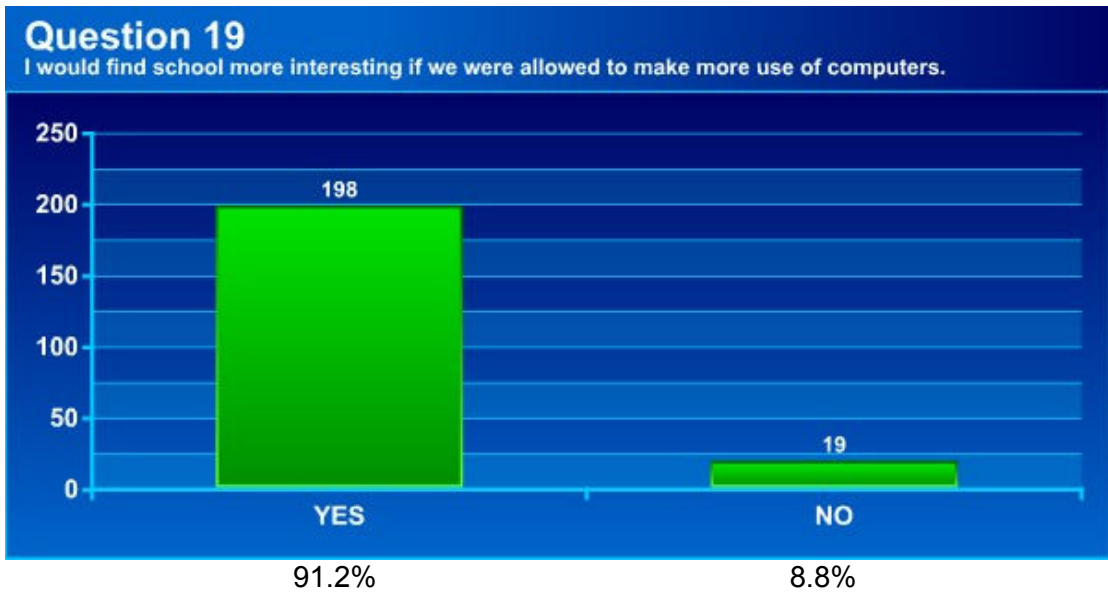
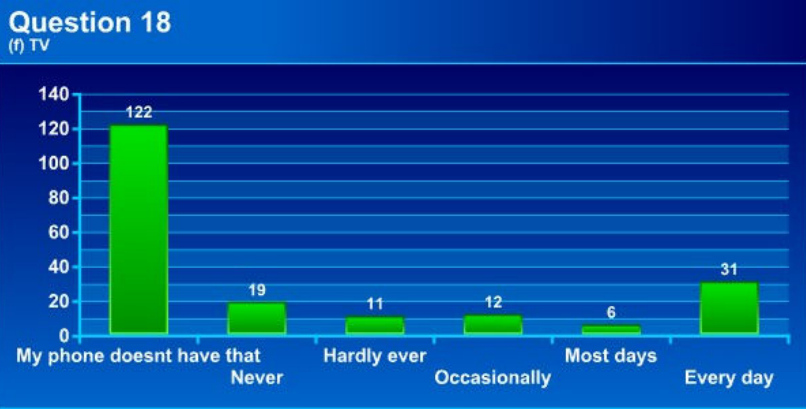
18) How often do you use the following features on your mobile phone?





Learning Hubs - Scotland's future resides in the minds of pupils whose potential to thrive is limited only by their opportunity to learn

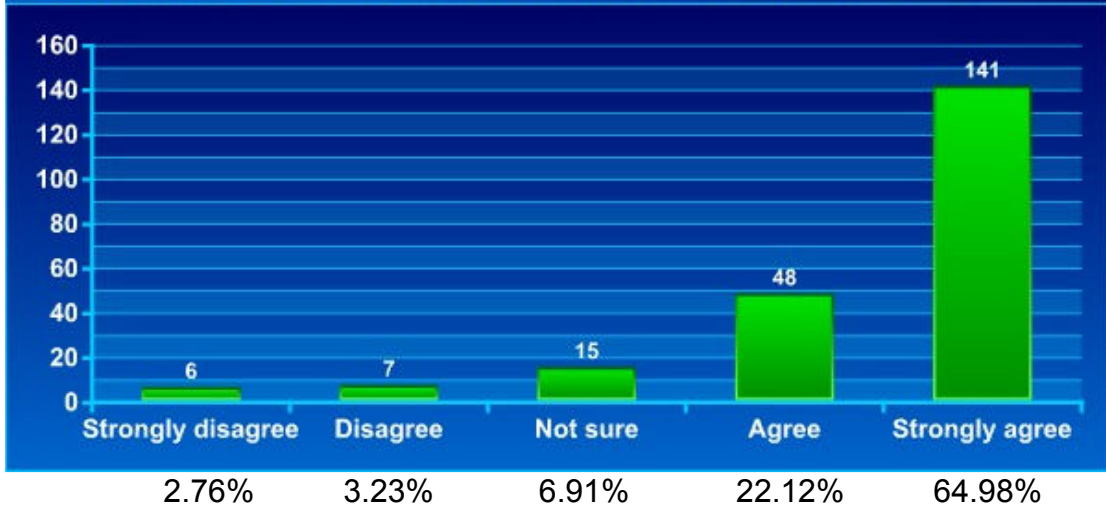






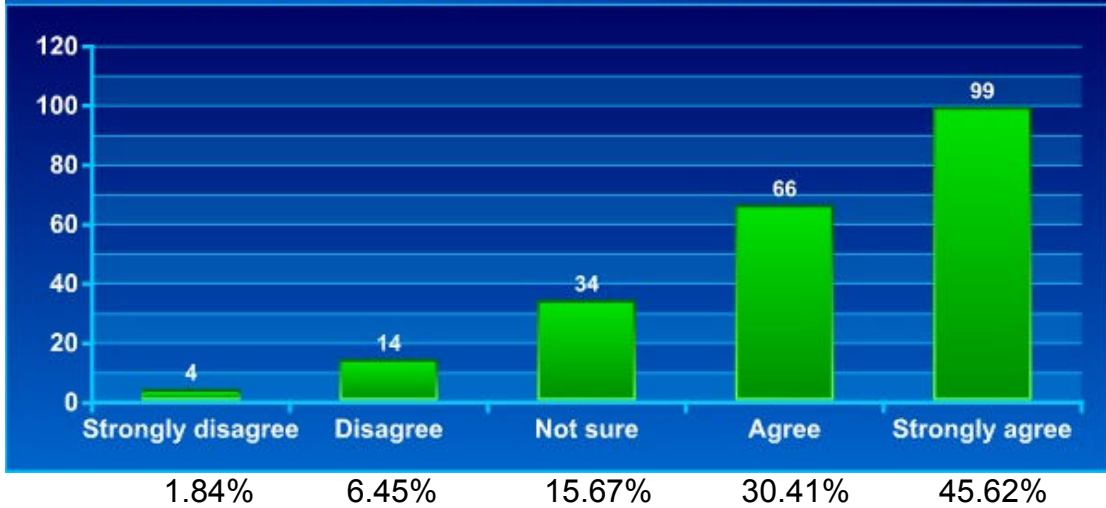
Question 21

(a) School would be more interesting if everyone had their own laptop or hand held device.



Question 21

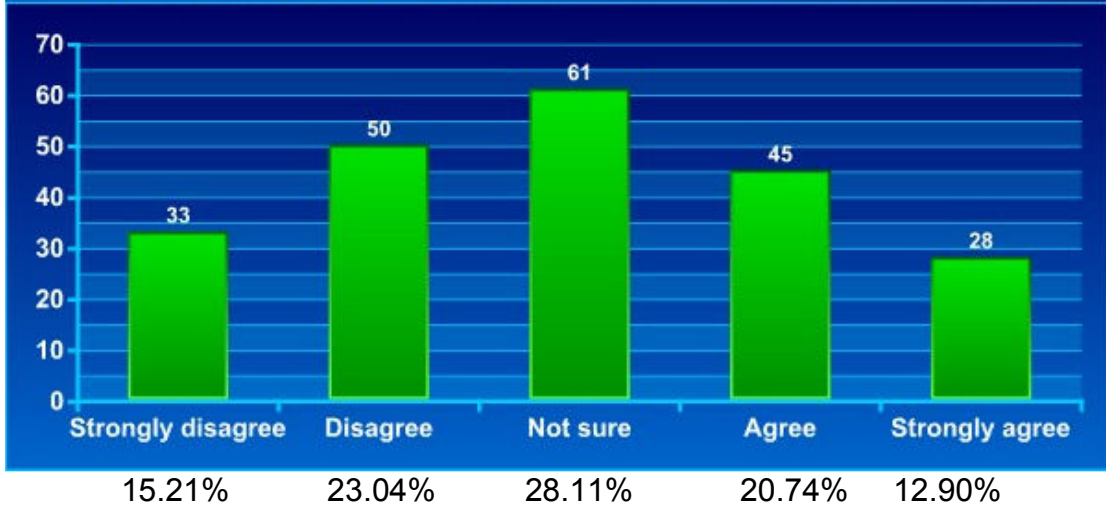
(b) I would learn more if I had a personal laptop or hand held device





Question 21

(c) I think we have enough ICT teaching at school.



Question 21

(d) I do not like ICT.

