Mark Scheme (Results)

Summer 2013

International GCSE ICT (4IT0)
Paper 2 Practical Paper

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General Marking Guidance

- All candidates must receive the same treatment. Examiners must mark the first candidate in exactly the same way as they mark the last.

- Mark schemes should be applied positively. Candidates must be rewarded for what they have shown they can do rather than penalised for omissions.

- Examiners should mark according to the mark scheme not according to their perception of where the grade boundaries may lie.

- There is no ceiling on achievement. All marks on the mark scheme should be used appropriately.

- All the marks on the mark scheme are designed to be awarded. Examiners should always award full marks if deserved, i.e. if the answer matches the mark scheme. Examiners should also be prepared to award zero marks if the candidate's response is not worthy of credit according to the mark scheme.

- Where some judgement is required, mark schemes will provide the principles by which marks will be awarded and exemplification may be limited.

- When examiners are in doubt regarding the application of the mark scheme to a candidate's response, the team leader must be consulted.

- Crossed out work should be marked UNLESS the candidate has replaced it with an alternative response.

- Mark schemes will indicate within the table where, and which strands of QWC, are being assessed. The strands are as follows:

  i) ensure that text is legible and that spelling, punctuation and grammar are accurate so that meaning is clear
  ii) select and use a form and style of writing appropriate to purpose and to complex subject matter
  iii) organise information clearly and coherently, using specialist vocabulary when appropriate.

ACTIVITY 1 – Using Graphics Software			
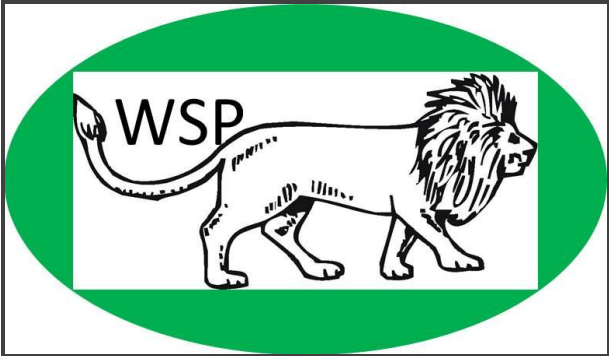
The logo shown here and used in later products is beyond requirements for the task.
The oval background and border is not necessary for any marks.

AG1a	1	Logo includes only the letters 'WSP' as given.	1
	2	Suitable image from **IMAGES folder** chosen for logo. Must be one of lion or elephant line drawings. Not a photograph or giraffe.	1
	3	Graphic must be fit for purpose as a logo: balance of size of text and image – one doesn't overpower the other suitable contrast/font of text – text can be easily read image must not be distorted (check against original)	1
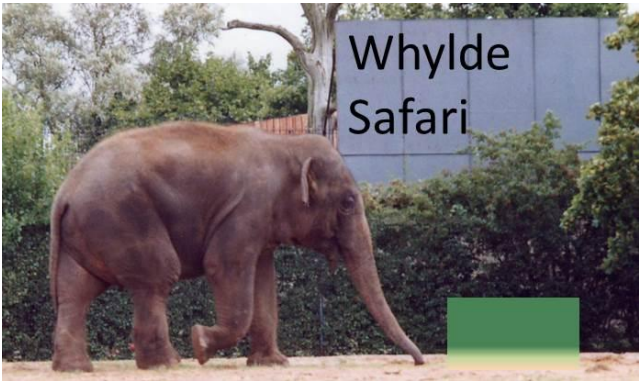
Amended image

Original image

AG1b	1	Image cropped on at least **two** of left, bottom and right (may not be fully effective).	1
	2	Image cropped to remove logs and fence effectively.	1
	3	Two people no longer visible. Accept any form of smudging or deletion.	1
	4	Action to delete people results in a good clear image with no residual traces of people.	1
	5	An attempt at 'WHYLDE SAFARI' added to grey board.	1
	6	Text added effectively : Spelt correctly Capitalised appropriately (either upper case or title case) Positioned sensibly Can be easily read (size/font/contrast) Appropriate size (fills space)	1
		Total for Task AG1	**9**

		TOTAL FOR ACTIVITY 1	**9**

ACTIVITY 2 – Using Database Software

SPONSOR

SPONSOR_REF	TITLE	FNAME	INITIAL	LNAME	ADDR1	ADDR2	PCODE	PHONE	DOB
6	Dr	Christopher	C	Davidson	9 Victoria Drive	ASBRATAM	AS2 6FH	01203 378138	23/01/1978
21	Mrs	Jayne	J	Smith	3 High Street	WYNDYMORE	HH6 6HY	01203 454647	07/02/1979
10	Mr	Jonathan	J	Walker	110 George Street	WYNDYMORE	HH6 8TS	01203 596937	22/03/1979
11	Mr	Iain	I	Winsome	11 Doncaster Road	SOUTHLEAY	SU8 4FG	01201 529006	17/04/1979
20	Mr	Paul	P	Andrews	78 Victoria Street	SOUTHLEAY	SU6 7US	01201 692124	01/05/1980
19	Mr	Adam	A	Muller	3 Pontefract Road	SOUTHLEAY	SU4 6SF	01201 654609	07/06/1982
3	Ms	Ruth	R	Hillhouse	10 John Street	HUPHLEY	HH4 4JJ	01783 477064	02/07/1982
8	Mrs	Sharon	S	Nuthatch	9 Windhill Grove	WYNDYMORE	HH6 9YD	01203 644693	07/08/1984
14	Mr	Ivan	I	Mulholland	29 Woodhead Road	HUPHLEY	HH4 6LK	01783 412176	25/09/1992
15	Mrs	Patricia	P	Candlestick	56 John Drive	WYNDYMORE	HH7 4TS	01203 298753	26/10/1992
18	Miss	Helen	H	McCartle	78 Hopeshaw Lane	ASBRATAM	AS2 8SH	01203 768660	30/11/1992
13	Miss	Jennifer	J	Chesney	11 Dray Road	SOUTHLEAY	SU5 5HG	01201 899155	13/12/1993
5	Ms	Hannah	H	Bough	33 High Street	SOUTHLEAY	SU4 1TT	01201 418252	29/01/1994
4	Miss	Susan	S	Halidon	8 North Road	SOUTHLEAY	SU5 8YY	01201 646092	06/02/1995
16	Miss	Davina	D	Nelson	56 Fair Street	SOUTHLEAY	SU6 1TS	01201 737693	30/06/1997
2	Mr	Frank	F	Millward	8 Johnson Street	SOUTHLEAY	SU4 1FF	01201 521034	01/07/1997
1	Mr	Brian	B	Greenwood	10 Great Street	HUPHLEY	HH4 1NY	01783 205358	29/08/1998
9	Mr	James	J	Brierson	345 Victoria Way	HUPHLEY	HH5 7DG	01783 122277	13/09/2001
12	Miss	Monica	M	Snape	78 Eccles Hill	HUPHLEY	HH5 7YS	01783 662870	19/10/2002
7	Miss	Beryl	B	Clarkson	67 Wakefield Road	HUPHLEY	HH5 7YF	01783 443523	20/11/2002
17	Mr	Mustapha	M	Laverne	5 Chapel Lane	HUPHLEY	HH4 7YS	01783 200945	14/12/2003

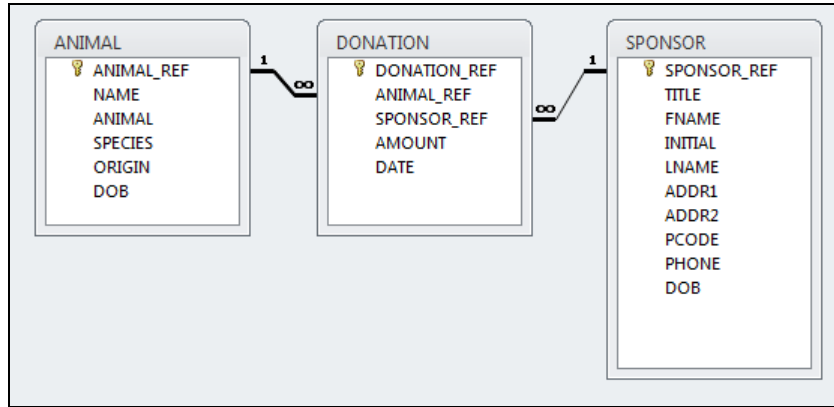|			
DB1 i	1 2	**Award 2 marks** for: Mrs, Jayne, J, Smith, 3 High Street, WYNDYMORE, HH6 6HY, 01203 454647, 07/02/1979 entered correctly Format consistent with other records. (Check date, telephone and post code and capitalisation) Accept 02/07/1979 if other records also have mm/dd/yyyy format for date **Award 1 mark** for: Data entered with no more than one field error or inconsistent format.	**2**
DB1 ii	1	Table sorted in order of DOB (Ascending or descending). Allow f/t for incorrect date	1
	2	Table sorted in ascending order of DOB (23/01/1978 is first record)	1
		Total for Task DB1	**4**

Marks may be awarded from design view if evidence is visible.

DB2a

SPONSOR_REF	TITLE	FNAME	INITIAL	LNAME	ADDR1	ADDR2	PCODE	PHONE	DOB
1	Mr	Brian	B	Greenwood	10 Great Street	HUPHLEY	HH4 1NY	01783 205358	29/08/1998
7	Miss	Beryl	B	Clarkson	67 Wakefield Road	HUPHLEY	HH5 7YF	01783 443523	20/11/2002
9	Mr	James	J	Brierson	345 Victoria Way	HUPHLEY	HH5 7DG	01783 122277	13/09/2001
12	Miss	Monica	M	Snape	78 Eccles Hill	HUPHLEY	HH5 7YS	01783 662870	19/10/2002
17	Mr	Mustapha	M	Laverne	5 Chapel Lane	HUPHLEY	HH4 7YS	01783 200945	14/12/2003

DB2b

TITLE	INITIAL	LNAME	ADDR1	ADDR2	PCODE
Mr	B	Greenwood	10 Great Street	HUPHLEY	HH4 1NY
Mr	I	Mulholland	29 Woodhead Road	HUPHLEY	HH4 6LK
Mr	M	Laverne	5 Chapel Lane	HUPHLEY	HH4 7YS

DB2a	1	Correct 5 records only **SPONSOR_REF** numbers 1, 7, 9, 12 & 17. Must have at least DOB and Ref/LNAME	1
	2	Correct 10 fields must be from a search (i.e. not all records)	1
DB2b	1 2 3	**Award 3 marks** for: Correct 3 records only – 'Mr' and postcode beginning with 'HH4' **Award 2 marks** for: Correct 5 records only – 'Mr' and postcode beginning with 'H' **Or** Correct 4 records only – postcode beginning with 'HH4' **Award 1 mark** for: Correct 9 records - just 'Mr' **or** Correct 11 records - just postcodes beginning with 'H'	3
	4	Only **TITLE**, **INITIAL**, **LNAME**, **ADDR1**, **ADDR2** and **PCODE** fields displayed	1
		Total for Task DB2	6

ANIMAL
- 🔑 ANIMAL_REF
- NAME
- ANIMAL
- SPECIES
- ORIGIN
- DOB

1 ——∞

DONATION
- 🔑 DONATION_REF
- ANIMAL_REF
- SPONSOR_REF
- AMOUNT
- DATE

1 ——∞

SPONSOR
- 🔑 SPONSOR_REF
- TITLE
- FNAME
- INITIAL
- LNAME
- ADDR1
- ADDR2
- PCODE
- PHONE
- DOB

DB3a	1 2 3	**Award 3 marks** for: 1 to many relationship between **ANIMAL_REF** in **ANIMAL** and **DONATION** tables **AND** 1 to many relationship between **SPONSOR_REF** in **SPONSOR** and **DONATION** tables **Award 2 marks** for either 1 to many relationship between **ANIMAL_REF** in **ANIMAL** and **DONATION** tables **OR** 1 to many relationship between **SPONSOR_REF** in **SPONSOR** and **DONATION** tables **Award 1 mark** for Screen shot shows a link between correct fields in **DONATION** table and at least one of **ANIMAL** or **SPONSOR** tables. Do not award if more than 1 link between two tables.	**3**
DB3b	1	Either **SPONSOR_REF** in **SPONSOR** table labelled as Primary key Or **ANIMAL_REF** in **ANIMAL** table labelled as Primary key Labelling must be in addition to database software indication of primary key.	**1**
		Total for Task DB3	**4**

DB4 a	1	Screen shot of form is in data entry view	1
	2	All fields from **DONATION** table only present (**DONATION_REF, ANIMAL_REF, SPONSOR_REF, AMOUNT** and **DATE**)	1
	3	Drop down box for animal or sponsor	1
	4	Feature added to form to make it easy to use e.g. second drop down box for animal or sponsor, helpful added text, extra navigation buttons, customised field labels, automatic date or calendar	1
DB4 b	1	Drop down box labelled to describe how feature makes it easy to use	1
	2	One other item labelled to describe how feature makes it easy to use (may be other drop down box)	1
		Total for Task DB4	**6**

		DB5					
AMOUNT	**DATE**	**NAME**	**ANIMAL**	**FNAME**	**LNAME**	**PHONE**
£24.00	13/06/2013	PRINCE	LION	Paul	Andrews	01201 692124
£22.00	25/02/2013	LULU	RHINOCEROS	James	Brierson	01783 122277
£23.00	10/03/2013	ELLA	ELEPHANT	Patricia	Candlestick	01203 298753
£20.00	28/02/2013	CLAM	RHINOCEROS	Adam	Muller	01201 654609

| Marks for DB5 may be awarded from design view provided evidence is visible.			
DB5	1 2	**Award 2 marks** for Correct 4 records only for >=20 (Andrews, Brierson, Candlestick, Muller) **Award 1 mark** for Correct 3 records only for >20 (3 records – Andrews, Brierson, Candlestick) **OR** Correct 1 record =20 (1 record – Muller)	2
	3	Correct fields in any order **AMOUNT, DATE, NAME, ANIMAL, FNAME, LNAME and PHONE**	1
	4	List sorted in ascending order of **LNAME**. Must be more than one record.	1
		Total for Task DB5	**4**

TOTAL FOR ACTIVITY 2	**24**

ACTIVITY 3 – Using Presentation Software			
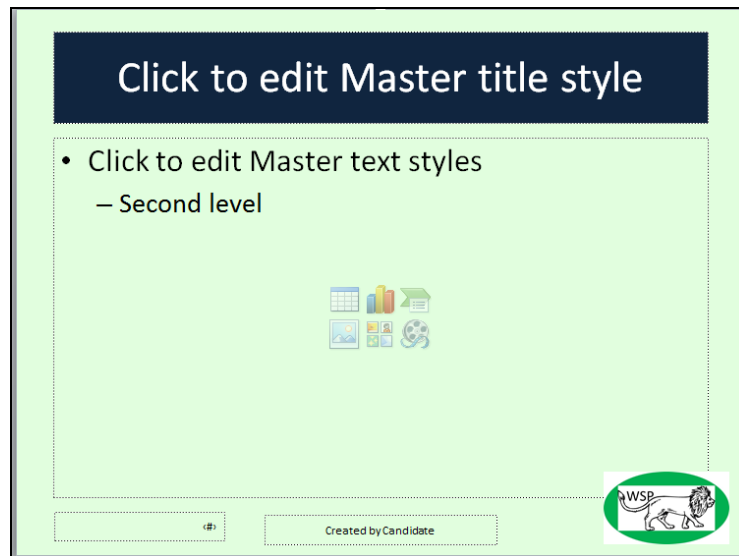
PS1a i	1	Title area only dark (evidenced in master or on all 4 slides of handouts)	1
	2	Title text white (evidenced in master or on all 4 slides of handouts)	1
PS1a ii	1	Levels 3 onwards deleted from master slide	1
PS1a iii	1	**WSPLOGO** added to bottom right of slide (evidenced in master or on all slides of handouts)	1
PS1a iv	1	Text 'Created by' followed by candidate name in centre section of footer (evidenced in master or on slides 2-4 of handouts, ignore title slide)	1
	2	Slide number (#) shown in left section of footer (evidenced in master or on slides 2-4 of handouts, ignore title slide)	1
	3	Footers appear on printouts of all slides except title slide – evidenced from printout for PS1b (showing at least title and one other slide) or from completed dialog box.	1
PS1a v	1	Font changed to a sans serif font for all text on slides (evidenced in master or on all slides of handouts) (ignore footers)	1
PS1a vi	1	Screen shot displays master slide	1
	2	At least two changes identified	1
	3	At least 5 changes identified	1

Award on the basis of the best 4 slides if more than 4 present.

PS1b i	1	Title includes "Elephant"	1
	2	Text about elephants selected from **SLIDETEXT**.	1
	3	Only image **ELEPHANT** from **Task AG1**.	1
PS1b ii	1	Suitable title includes name of animal (one only).	1
	2	Appropriate text selected from **SLIDETEXT** included. Must match the one animal in the title. Text size and style appropriate for presentation.	1
	3	One suitable image of animal selected from **IMAGES folder.** Must match the title or the text.	1
PS1b iii	1	Title includes indication of support for the safari park	1
	2	Text includes sponsorship and/or buying from shop Text edited suitable for presentation – i.e. phrases not paragraph.	1
	3	One suitable image selected from **IMAGES folder** – allow any photograph except giraffe	1
PS1b iv	1	4 slides only presented 2 to a page as handouts (not screen shots)	1
	2	Slides match layout design with text on left and image on right.	1
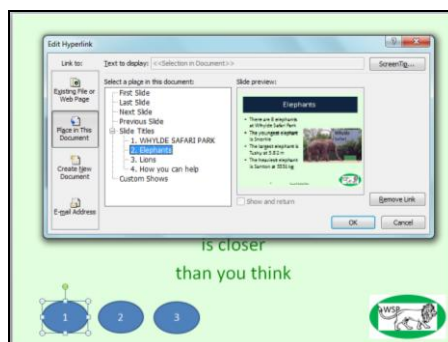
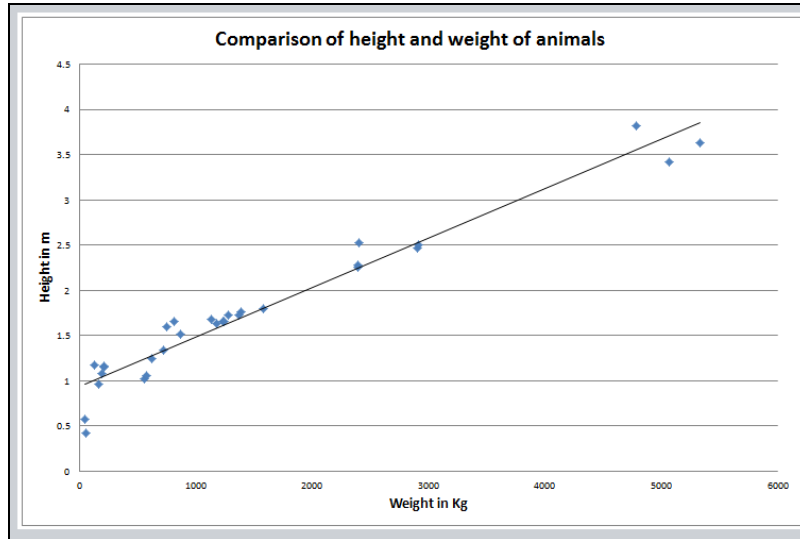| PS1c i	1	Screen shot shows slide 1 with at least one hyperlink. Accept buttons (images) or underlined text.	1
	2	Screen shot shows 3 hyperlinks. Accept buttons (images) or underlined text.	1
PS1c ii	1	Screen shot shows completed dialog box with the hyperlink to any slide (may be title of slide). Must indicate link by highlighting or selection	1
		Total for Task PS1	**25**

	TOTAL FOR ACTIVITY 3	**25**

ACTIVITY 4 – Using Spreadsheet Software

	A	B	C	D	E	F	G	H	I	J
1										
2					WHYLDE STAFF PAY					
3										
4	ID	Employee	Start	Hours	Hourly Rate	Days Holiday	Days Taken	Pay	Days Left	Comment
5	17	Barbara	03/05/2009	30	£7.45	25	12			
6	8	Beryl	23/06/2009	23	£7.45	25	26			
7	3	Janet	21/03/2001	15	£7.45	25	22			
8	16	Padmalochana	13/04/2012	29	£7.45	25	24			
9	11	Shaun	24/06/2012	24	£7.45	25	14			
10	14	Trevor	31/12/2010	35	£7.45	25	26			
11	12	Carole	09/09/2004	18	£8.50	27	18			
12	10	Chris	10/05/2011	20	£8.50	27	29			
13	13	Gajananvihari	25/10/2010	26	£8.50	27	27			
14	6	Maria	07/06/2009	21	£8.50	27	25			
15	15	Yohance	24/11/2004	35	£8.50	27	28			
16	9	Terence	08/09/2002	33	£9.50	29	24			
17	1	Tina	14/06/2002	26	£9.50	29	30			
18	5	Yobachi	14/03/2001	29	£9.50	29	19			
19	4	Christopher	20/05/2004	35	£12.25	31	24			
20	2	Wangari	25/07/2012	28	£12.25	31	23			
21	7	Muhammad	16/10/2001	35	£15.65	33	29			
22										

SS1a	1	Cells A2 to J2 merged and title centred.	1
	2	Column headings (only A4 to J4) bold/underlined/capitalised/italics/ font size/ colour (award if obvious on black and white)	1
	3	Row heights and column widths adjusted so that there is no truncation	1
	4	**Appropriate** borders and/or shading around cells A4 to J21 (and A2:J2). Do not award if it does not enhance.	1
	5	Column C data formatted to any consistent date format	1
	6	Column E data formatted to consistent format including currency symbol and 2dp	1
SS1b	1 2 3	**Award 3 marks** for: Table sorted in ascending order of employee within ascending order of hourly rate. **Award 2 marks** for: Table sorted in ascending order of employee within descending order of hourly rate **OR** in descending order of employee within ascending order of hourly rate **OR** in descending order of employee within descending order of hourly rate. **Award 1 mark** for: **Employee** column or **Hourly Rate** column sorted in ascending order	3
		Total for Task SS1	9

Spreadsheet (left view)

Click to add header

	G	H
	ay	Days Taken	Pay
	12	=D5*E5
	26	=D6*E6
	22	=D7*E7
	24	=D8*E8
	14	=D9*E9
	26	=D10*E10
	18	=D11*E11
	29	=D12*E12
	27	=D13*E13
	25	=D14*E14
	28	=D15*E15
	24	=D16*E16
	30	=D17*E17
	19	=D18*E18
	24	=D19*E19
	23	=D20*E20
	29	=D21*E21
	Total Pay	=SUM(H5:H21)

Spreadsheet (right view) — WHYLDE STAFF PAY

	A	I	J
1			
2		WHYLDE STAFF PAY	
3			
4	ID	Days Left	Comment
5	17	=F5-G5	=IF(I5<0,"Too many days","OK")
6	8	=F6-G6	=IF(I6<0,"Too many days","OK")
7	3	=F7-G7	=IF(I7<0,"Too many days","OK")
8	16	=F8-G8	=IF(I8<0,"Too many days","OK")
9	11	=F9-G9	=IF(I9<0,"Too many days","OK")
10	14	=F10-G10	=IF(I10<0,"Too many days","OK")
11	12	=F11-G11	=IF(I11<0,"Too many days","OK")
12	10	=F12-G12	=IF(I12<0,"Too many days","OK")
13	13	=F13-G13	=IF(I13<0,"Too many days","OK")
14	6	=F14-G14	=IF(I14<0,"Too many days","OK")
15	15	=F15-G15	=IF(I15<0,"Too many days","OK")
16	9	=F16-G16	=IF(I16<0,"Too many days","OK")
17	1	=F17-G17	=IF(I17<0,"Too many days","OK")
18	5	=F18-G18	=IF(I18<0,"Too many days","OK")
19	4	=F19-G19	=IF(I19<0,"Too many days","OK")
20	2	=F20-G20	=IF(I20<0,"Too many days","OK")
21	7	=F21-G21	=IF(I21<0,"Too many days","OK")
22			

Mark Scheme

			Marks
SS2a i	1 2	**Award 2 marks** for: **= D5 * E5** in cell H5 [Accept =PRODUCT(D5:E5) or =PRODUCT(D5,E5)] **Award 1 mark** for: =SUM(D5*E5) or other formula which gives correct result using cell references or correct result in cell H5 in data view. (£223.50 (Barbara) if sort correct)	**2**
SS2a ii	1	Formula replicated for all employees H5 to H21.	**1**
SS2a iii	1 2	**Award 2 marks** for: **=SUM(H5:H21)** in either cell H22 or H23 **Award 1 mark** for: **=SUM(H5:H21)** in other cell Or **=H5+H6+H7+** etc in either cell H22 or H23 or correct total value (£4337.70) in H22/H23 in data view.	**2**
SS2a iv	1	'Total pay' or similar in cell adjacent to total formula (may be awarded from data view).	**1**
SS2b i	1	**= F5 – G5** in cell **I5**	**1**
SS2b ii	1 2 3	**Award 3 marks** for: =IF(I5<0,"Too many days","OK") or =IF(I5>=0,"OK","Too many days") in cell J5. Must be closing bracket. **Award 2 marks** for: =IF(I5>0,"OK","Too many days") or =IF(I5<=0,"Too many days","OK") in cell J5. Must be able to see closing bracket. **Award 1 mark** for: An attempt at an IF function which compares value in column **I** e.g.I5 with zero. Must include **=IF(I5** and 0 Award marks for correct responses in any cell in column J.	**3**
SS2b iii	1	Formulae in cells **I**5 and J5 replicated to range **I**6:J21	**1**
SS2b iv	1	Only columns A, I and J printed without truncation of formulae. Must show column headers and be on one page.	**1**
		Total for Task SS2	**12**

Comparison of height and weight of animals

SS3	1	Scattergram produced using data from **STATISTICS** worksheet	1
	2	Scattergram produced using correct data used D2 to E31	1
	3	Suitable title – must include indication of comparison	1
	4 5	**Award 2 marks** for: Correct axis labels (Height and Weight) with correct spelling and appropriate capitalisation **Award 1 mark** for: Correct axis labels with incorrect spelling and/or inappropriate capitalisation.	2
	6	Straight trend line added to scattergram	1
	7	Scattergram produced with no unnecessary information included e.g. legend, data values/labels, no lines except trend line. Correct spelling and appropriate capitalisation of the title.	1
		Total for Task SS3	**7**

	TOTAL FOR ACTIVITY 4	**28**

ACTIVITY 5 – Using Word Processing Software

Marks for WP1ai may be awarded from a letter produced without merge fields.			
WP1a i	1	WSPLogo entered at right hand side of header above the line. Not truncated by page margins	**1**
	2	Date within exam window (13 – 17 May 2013) in suitable format for a letter	**1**
	3	Date entered in suitable location at top left or right below header and above salutation line and with line space between date and other text on same alignment.	**1**
	4	Yours sincerely (accept Yours truly and Yours faithfully) entered at bottom of letter with line space between it and letter text. Allow title case.	**1**
	5	Jonathan Whylde, Managing Director (with correct spelling, title case) below closure on one or two lines. Accept "Owner"	**1**
	6	Space above name – at least two blank lines – for signature	**1**
	7	Subject line emboldened, underlined, italicised, or centred	**1**
Can only be marked from document showing merged fields.			
WP1a ii	1	At least two merge fields from **ADDRESS** table in letter.	**1**
	2	Correct name and address fields entered with appropriate spacing, in top left or bottom left of letter. **«TITLE» «INITIAL» «LNAME»** accept **«TITLE» «FNAME» «LNAME»** **«ADDR1»** **«ADDR2»** (**«PCODE»**) Do not accept addition of phone number. Accept with or without postcode. **ADDR1** and **ADDR2** on separate lines Accept **«ADDRESSBLOCK»** if **WP1b** shows evidence of correct address layout.	**1**
	3	Merge fields correctly entered with appropriate spacing on salutation line. Either **Dear «TITLE» «LNAME»** or **Dear «FNAME».** Accept **«GREETINGLINE»** if **WP1b** shows evidence of correct layout.	**1**
	4	**«ANIMALNAME»** replaces bracketed text in body of letter. Brackets removed. Appropriate spacing.	**1**
Must be evidence of at least **ONE** merge field to gain marks for WP1b			
WP1b i	1	Letter merged with **ADDRESS** table. Recipient must be one of **Black, Brown** or **White**	**1**
	2	No evidence of editing after merging. Check areas of merge fields.	**1**
WP1b ii	1	Only one merged letter submitted.	**1**
		Total for Task WP1	**14**

TOTAL FOR ACTIVITY 5	**14**

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