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Mark Scheme (Results)

Summer 2016

Pearson Edexcel GCE in Applied ICT (6953)

Unit 3: The Knowledge Worker

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Summer 2016
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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.

Applied GCE ICT Unit 3 – Mark Scheme – June 2016

Activity		ANSWER			POSS. MARK	MAX
Activity 1		**Understanding the Situation**				
(a)						
		Attraction	**Minimum tidal water**	**Maximum tidal water**		
	A1	Bird Sanctuary	1.8	N/A (20)	**1**	
	A2	Seal Flats	N/A (-20)	3.8	**1**	
	A3	Bridge of Sighs	2.5	6	**1**	
	A4	Upton Manor	N/A (2.5)	N/A (6)	**1**	
	A5	Matilda's Secret	N/A (-20)	4	**1**	
	A6	Wilson Falls	1.6	N/A (20)	**1**	
	A7	Fingal's Cave	2.5	6	**1**	
		Allow if not in a table but subtract one mark from marks awarded in this section				
						7
(b)		**Any 7 of**				
	B1	Organise boat trips			**1**	
	B2	Each attraction visited (at least) once			**1**	
	B3	8 knots speed passing attractions (on viewing route)			**1**	
	B4	8 knots passing marina			**1**	
	B5	15 knots elsewhere			**1**	
	B6	Trips Monday, Wednesday and Friday			**1**	
	B7	Possible start times 09:00, 10:00; 11:00; 12:00			**1**	
	B8	Tides worked out using (phase) **angle** of **moon**			**1**	
	B9	Trips **start** and **finish** at the marina			**1**	
	B10	7 attractions identified (in local area)			**1**	
	B11	Trip <u>times</u> and order of <u>visits</u> depend on (the height of) **the tide**			**1**	
	B12	Seasonal work			**1**	
	B13	To get to Upton Manor must go past the Bridge of Sighs			**1**	
					max	**7**
(c)		**Must have identified data source and data for marks**				
		Any **2** sources from:				
	C1	Tommy Jr	Times between each attraction		**1,1**	
	C2	Harbour Master	July Tide Data		**1,1**	
	C3	Tommy & or Tilly	List of attractions		**1,1**	

Applied GCE ICT Unit 3 – Mark Scheme – June 2016

Activity		ANSWER	POSS. MARK	MAX
			max	4
		Total Marks for Activity 1		18
Activity 2		**Completing the model**		
		July Tides (Data Entry)		
(a)	A1	Data imported correctly	1	
		Look for 3 in B14 and 1.569130606 in AF27		**1**

	A	B	C	AC	AD	AE	AF
13	Date	01/07/2016	02/07/2016	28/07/2016	29/07/2016	30/07/2016	31/07/2016
14	Day in Cycle	3	4	6	7	8	9
15	Adjustment	3	4	6	6	5	4
16	Phase	13	14	10	11	12	13
17	In Line	Y	Y	Y	Y	Y	Y
18	Out Line	N	N	N	N	N	N
19	Phase Angle	5.445427266	5.864306287	4.188790205	4.607669225	5.026548246	5.445427266
20	High Tide	14:00	14:50	13:50	14:54	15:57	16:56
21	Height	4.885282762	5.389895035	4.700961894	4.508217157	4.573415226	3.885282762
22	Low Tide	07:55	08:45	07:45	08:49	09:52	10:51
23	Height	1.869130606	2.113545458	0.7	1.095471537	1.509016994	1.869130606
24	High Tide	01:45	02:35	01:35	02:39	03:42	04:41
25	Height	4.885282762	5.389895035	4.700961894	4.508217157	4.573415226	4.885282762
26	Low Tide	20:30	21:20	20:20	21:24	22:27	23:26
27	Height	1.569130606	1.813545458	0.4	0.795471537	1.209016994	1.569130606

(b)		**Selection (Statistics Monday) 1**		
		Cell I14 contains: =COUNTIF($A$14:$A$19,H14) (Accept meaningful named range)		
	B1	Working formula (ignore absolute addressing)	1	
	B2	Correct minimum range is included (A14:A19)	1	
	B3	Formula will replicate correctly (must have absolute addressing)	1	
	B4	Working formulae in I15:I19 (must have absolute addressing)	1	
		Cell J14 contains: =VLOOKUP(H14,$A$14:$D$19,4,FALSE) Accept meaningful named range; other ranges possible.		
	B5	Working formula (ignore absolute addressing)	1	
	B6	Correct minimum range is included (A14:D19)	1	
	B7	Formula will replicate correctly (must have absolute addressing on range)	1	
	B8	False/0 used	1	
	B9	Working formulae in J15:J19 (must have absolute addressing on range)	1	

Activity		ANSWER		POSS. MARK	MAX
		Cell K14 contains: =VLOOKUP(H14,$A$14:$E$19,5,FALSE) Accept meaningful named range; other ranges possible.			
	B10	Working formula (ignore absolute addressing)		1	
	B11	Formula will replicate correctly (must have absolute addressing on range)		1	
	B12	Working formulae K15:K19 (must have absolute addressing on range)		1	
					12

	I	J	K
13	Visits	Tide Start	Tide End
14	=COUNTIF($A$14:$A$19,H14)	=VLOOKUP(H14,$A$14:$E$19,4,0)	=VLOOKUP(H14,$A$14:$E$19,5,0)
15	=COUNTIF($A$14:$A$19,H15)	=VLOOKUP(H15,$A$14:$E$19,4,0)	=VLOOKUP(H15,$A$14:$E$19,5,0)
16	=COUNTIF($A$14:$A$19,H16)	=VLOOKUP(H16,$A$14:$E$19,4,0)	=VLOOKUP(H16,$A$14:$E$19,5,0)
17	=COUNTIF($A$14:$A$19,H17)	=VLOOKUP(H17,$A$14:$E$19,4,0)	=VLOOKUP(H17,$A$14:$E$19,5,0)
18	=COUNTIF($A$14:$A$19,H18)	=VLOOKUP(H18,$A$14:$E$19,4,0)	=VLOOKUP(H18,$A$14:$E$19,5,0)
19	=COUNTIF($A$14:$A$19,H19)	=VLOOKUP(H19,$A$14:$E$19,4,0)	=VLOOKUP(H19,$A$14:$E$19,5,0)

(c)		**Selection (Statistics Monday) 2**			
		Cell L14 contains: **=IF(J14>=Sights!D12,"Y","N")**			
	C1	Correct condition in L14 J14<Sights!D12 or J14>=Sights!D12		1	
	C2	"Y" and "N" options correct way round for condition used < uses N,Y; >= uses Y,N		1	
	C3	Formula in L14 replicated to L15:L19		1	
	C4	Correct formula in M14	**=IF(K14>=Sights!D12,"Y","N")**	1	
	C5	Correct formula in N14	**=IF(J14<=Sights!E12,"Y","N")**	1	
	C6	Correct formula in O14	**=IF(K14<=Sights!E12,"Y","N")**	1	
	C7	All formulae correct in cells M15:O19		1	
					7

	L	M	N	O
13	**Depth In**	**Depth Out**	**Clearance In**	**Clearance Out**
14	=IF(J14>=Sights!D12,"Y","N")	=IF(K14>=Sights!D12,"Y","N")	=IF(J14<=Sights!E12,"Y","N")	=IF(K14<=Sights!E12,"Y","N")
15	=IF(J15>=Sights!D13,"Y","N")	=IF(K15>=Sights!D13,"Y","N")	=IF(J15<=Sights!E13,"Y","N")	=IF(K15<=Sights!E13,"Y","N")
16	=IF(J16>=Sights!D14,"Y","N")	=IF(K16>=Sights!D14,"Y","N")	=IF(J16<=Sights!E14,"Y","N")	=IF(K16<=Sights!E14,"Y","N")
17	=IF(J17>=Sights!D15,"Y","N")	=IF(K17>=Sights!D15,"Y","N")	=IF(J17<=Sights!E15,"Y","N")	=IF(K17<=Sights!E15,"Y","N")
18	=IF(J18>=Sights!D16,"Y","N")	=IF(K18>=Sights!D16,"Y","N")	=IF(J18<=Sights!E16,"Y","N")	=IF(K18<=Sights!E16,"Y","N")
19	=IF(J19>=Sights!D17,"Y","N")	=IF(K19>=Sights!D17,"Y","N")	=IF(J19<=Sights!E17,"Y","N")	=IF(K19<=Sights!E17,"Y","N")

(d)		**Selection (Statistics Wednesday & Friday)**		

Columns I to K

	I	J	K
24	**Visits**	**Tide Start**	**Tide End**
25	=COUNTIF($A$24:$A$30,H25)	=VLOOKUP(H25,$A$24:$E$31,4,FALSE)	=VLOOKUP(H25,$A$24:$E$31,5,FALSE)
26	=COUNTIF($A$24:$A$30,H26)	=VLOOKUP(H26,$A$24:$E$31,4,FALSE)	=VLOOKUP(H26,$A$24:$E$31,5,FALSE)
27	=COUNTIF($A$24:$A$30,H27)	=VLOOKUP(H27,$A$24:$E$31,4,FALSE)	=VLOOKUP(H27,$A$24:$E$31,5,FALSE)
28	=COUNTIF($A$24:$A$30,H28)	=VLOOKUP(H28,$A$24:$E$31,4,FALSE)	=VLOOKUP(H28,$A$24:$E$31,5,FALSE)
29	=COUNTIF($A$24:$A$30,H29)	=VLOOKUP(H29,$A$24:$E$31,4,FALSE)	=VLOOKUP(H29,$A$24:$E$31,5,FALSE)
30	=COUNTIF($A$24:$A$30,H30)	=VLOOKUP(H30,$A$24:$E$31,4,FALSE)	=VLOOKUP(H30,$A$24:$E$31,5,FALSE)
31			
35	**Visits**	**Tide Start**	**Tide End**
36	=COUNTIF($A$35:$A$42,H36)	=VLOOKUP(H36,$A$35:$E$42,4,FALSE)	=VLOOKUP(H36,$A$35:$E$42,5,FALSE)
37	=COUNTIF($A$35:$A$42,H37)	=VLOOKUP(H37,$A$35:$E$42,4,FALSE)	=VLOOKUP(H37,$A$35:$E$42,5,FALSE)
38	=COUNTIF($A$35:$A$42,H38)	=VLOOKUP(H38,$A$35:$E$42,4,FALSE)	=VLOOKUP(H38,$A$35:$E$42,5,FALSE)
39	=COUNTIF($A$35:$A$42,H39)	=VLOOKUP(H39,$A$35:$E$42,4,FALSE)	=VLOOKUP(H39,$A$35:$E$42,5,FALSE)
40	=COUNTIF($A$35:$A$42,H40)	=VLOOKUP(H40,$A$35:$E$42,4,FALSE)	=VLOOKUP(H40,$A$35:$E$42,5,FALSE)
41	=COUNTIF($A$35:$A$42,H41)	=VLOOKUP(H41,$A$35:$E$42,4,FALSE)	=VLOOKUP(H41,$A$35:$E$42,5,FALSE)

	D1	Correct formulae in Row 25	1	
	D2	Replicated and correct formulae in Row 30	1	
	D3	Correct formulae in Row 36	1	
	D4	Replicated and correct formulae in Row 41	1	

	L	M	N	O
24	**Depth In**	**Depth Out**	**Clearace In**	**Clearance Out**
25	=IF(J25>=Sights!D12,"Y","N")	=IF(K25>=Sights!D12,"Y","N")	=IF(J25<=Sights!E12,"Y","N")	=IF(K25<=Sights!E12,"Y","N")
26	=IF(J26>=Sights!D13,"Y","N")	=IF(K26>=Sights!D13,"Y","N")	=IF(J26<=Sights!E13,"Y","N")	=IF(K26<=Sights!E13,"Y","N")
27	=IF(J27>=Sights!D14,"Y","N")	=IF(K27>=Sights!D14,"Y","N")	=IF(J27<=Sights!E14,"Y","N")	=IF(K27<=Sights!E14,"Y","N")
28	=IF(J28>=Sights!D15,"Y","N")	=IF(K28>=Sights!D15,"Y","N")	=IF(J28<=Sights!E15,"Y","N")	=IF(K28<=Sights!E15,"Y","N")
29	=IF(J29>=Sights!D16,"Y","N")	=IF(K29>=Sights!D16,"Y","N")	=IF(J29<=Sights!E16,"Y","N")	=IF(K29<=Sights!E16,"Y","N")
30	=IF(J30>=Sights!D17,"Y","N")	=IF(K30>=Sights!D17,"Y","N")	=IF(J30<=Sights!E17,"Y","N")	=IF(K30<=Sights!E17,"Y","N")
31				
35	**Depth In**	**Depth Out**	**Clearace In**	**Clearance Out**
36	=IF(J36>=Sights!D12,"Y","N")	=IF(K36>=Sights!D12,"Y","N")	=IF(J36<=Sights!E12,"Y","N")	=IF(K36<=Sights!E12,"Y","N")
37	=IF(J37>=Sights!D13,"Y","N")	=IF(K37>=Sights!D13,"Y","N")	=IF(J37<=Sights!E13,"Y","N")	=IF(K37<=Sights!E13,"Y","N")
38	=IF(J38>=Sights!D14,"Y","N")	=IF(K38>=Sights!D14,"Y","N")	=IF(J38<=Sights!E14,"Y","N")	=IF(K38<=Sights!E14,"Y","N")
39	=IF(J39>=Sights!D15,"Y","N")	=IF(K39>=Sights!D15,"Y","N")	=IF(J39<=Sights!E15,"Y","N")	=IF(K39<=Sights!E15,"Y","N")
40	=IF(J40>=Sights!D16,"Y","N")	=IF(K40>=Sights!D16,"Y","N")	=IF(J40<=Sights!E16,"Y","N")	=IF(K40<=Sights!E16,"Y","N")
41	=IF(J41>=Sights!D17,"Y","N")	=IF(K41>=Sights!D17,"Y","N")	=IF(J41<=Sights!E17,"Y","N")	=IF(K41<=Sights!E17,"Y","N")

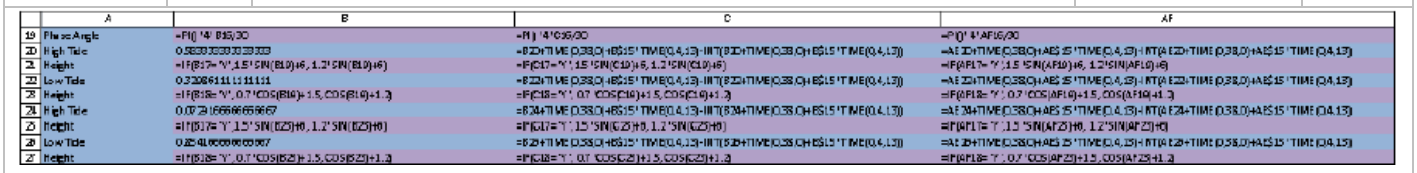
		Columns L to O all formulae must be correct		
	D5	Correct formulae in Row 25 (ignore absolute addressing)	1	
	D6	Replicated formulae in Rows26 to 30 (no absolute addressing)	1	
	D7	Correct formulae in Row 36 (ignore absolute addressing)	1	
	D8	Replicated formulae in Rows 37 to 41 (no absolute addressing)	1	
				8

	A	B	C	H	I	J	K	L	M	N	O
11	Week Beginning	25/07/2016	Time								
12	Monday	Time In	Time Out			Statistics	Monday				
13	Marina	12:00	12:00		Visits	Tide Start	Tide End	Depth In	Depth Out	Clearance In	Clearance Out
14	Seal Flats	12:18	12:37	Bird Sanctuary	1	2.176615758	2.40948476	Y	Y	Y	Y
15	Matildas Secret	13:28	13:43	Seal Flats	1	0.247129736	0.535443739	Y	Y	Y	Y
16	Bird Sanctuary	14:28	14:44	Upton Manor	1	4.915598789	5.181734792	Y	Y	Y	Y
17	Wilson Falls	15:35	15:51	Fingals Cave	1	4.194813781	4.427682783	Y	Y	Y	Y
18	Fingals Cave	16:45	17:00	Matildas Secret	1	1.289495748	1.51127575	Y	Y	Y	Y
19	Upton Manor	17:33	17:51	Wilson Falls	1	3.168536769	3.396405772	Y	Y	Y	Y
20	Marina	18:00	18:00								
21											
22		27/07/2016	Time								
23	Wednesday	Time In	Time Out			Statistics	Wednesday				
24	Marina	09:00	09:00		Visits	Tide Start	Tide End	Depth In	Depth Out	Clearance In	Clearance Out
25	Fingals Cave	09:15	09:30	Bird Sanctuary	1	3.311586771	3.138942524	Y	Y	Y	Y
26	Bird Sanctuary	09:51	10:07	Seal Flats	1	1.618028928	1.404278909	Y	Y	Y	Y
27	Upton Manor	10:37	10:55	Upton Manor	1	2.810096341	2.612788632	Y	Y	Y	Y
28	Wilson Falls	11:13	11:29	Fingals Cave	1	3.714423845	3.541779099	Y	Y	Y	Y
29	Seal Flats	12:26	12:45	Matildas Secret	1	0.845240898	0.419299188	Y	Y	Y	Y
30	Matildas Secret	13:36	13:51	Wilson Falls	1	2.415480922	2.242836676	Y	Y	Y	Y
31	Marina	14:15	14:15								
32											
33		29/07/2016	Time								
34	Friday	Time In	Time Out			Statistics	Friday				
35	Marina	09:00	09:00		Visits	Tide Start	Tide End	Depth In	Depth Out	Clearance In	Clearance Out
36	Upton Manor	09:09	09:27	Bird Sanctuary	1	3.020227081	2.887996198	Y	Y	Y	Y
37	Fingals Cave	10:00	10:15	Seal Flats	1	3.309875681	3.146161255	Y	Y	Y	Y
38	Wilson Falls	11:09	11:25	Upton Manor	1	4.217282458	4.366361291	Y	Y	Y	Y
39	Seal Flats	12:22	12:42	Fingals Cave	1	4.506250833	4.374019451	Y	Y	Y	Y
40	Bird Sanctuary	12:57	13:12	Matildas Secret	1	2.510193677	2.384259503	Y	Y	Y	Y
41	Matildas Secret	13:57	14:12	Wilson Falls	1	3.920656425	3.788425542	Y	Y	Y	Y
42	Marina	14:36	14:36								

		MUST see date and time. Do not award marks if previous formulae are clearly incorrect.		
(e)	E1	Monday – all sites visited and <2 red cells (columns L to O)	1	
	E2	Monday - all sites visited and 0 red cells (columns L to O)	1	
	E3	Wednesday – all sites visited and <2 red cells (columns L to O)	1	
	E4	Wednesday - all sites visited and 0 red cells (columns L to O)	1	
	E5	Friday – all sites visited and <2 red cells (columns L to O)	1	
	E6	Friday - all sites visited and 0 red cells (columns L to O)	1	
				6
(f)		**Printouts (should be 6)**		
		All required printouts in the right order are needed to be eligible for marks F1 to F3. Do not award for screen shots.		

	F1	Row and column headings and gridlines on (all 6 worksheets)	1	
	F2	Correct header & footer (all 6 worksheets)	1	
	F3	Correct rows and columns printed on a single sheet (all 6 worksheets)	1	
				3
		Total Marks for Activity 2		**37**

Activity 3		**August Tides**		
(a)		**Cell B19** contains: **=4*PI()*B16/30**		
	A1	Working formula in **B19** Pi (π) can be the function, 3.14 or a number which rounds to 3.14 or multiply by 22 and divide by seven.	1	
	A2	PI function used	1	
	A3	Correct formula replicated to AF19	1	
		Cell B21 contains: **=IF(B17="Y",6+1.5*SIN(B19),6+1.2*SIN(B19))** (can be reversed)		
	A4	Correct condition used in B21 and B25	1	
	A5	Correct True value	1	
	A6	Correct False Value	1	
	A7	Correct formula replicated to AF21 and AF25	1	
		Cell B23 contains: **=IF(B18="Y",1.5+0.7*COS(B19),1.2+COS(B19))** (can be reversed)		
	A8	Correct condition used in B23 and B27	1	
	A9	Correct True value	1	
	A10	Correct False Value	1	
	A11	Correct formula replicated to AF23 and AF27	1	
				11



	A	B	C	AF
19	Phase Angle	=PI() *4* B16/30	=PI() *4*C16/30	=PI() *4*AF16/30
20	High Tide	0.583333333333333	=$B$20+TIME(0,$B$15*TIME(0,4,13)-INT($B$15*TIME(0,4,13)),0)+$B$15*TIME(0,4,13)	=$B$20+TIME(0,$B$15*TIME(0,4,13)-INT($B$15*TIME(0,4,13)),0)+$B$15*TIME(0,4,13)
21	Height	=IF(B17="Y",1.5*SIN(B19)+6,1.2*SIN(B19)+6)	=IF(C17="Y",1.5*SIN(C19)+6,1.2*SIN(C19)+6)	=IF(AF17="Y",1.5*SIN(AF19)+6,1.2*SIN(AF19)+6)
22	Low Tide	0.812847111111111	=$B$22+TIME(0,$B$15*TIME(0,4,13)-INT($B$15*TIME(0,4,13)),0)+$B$15*TIME(0,4,13)	=$B$22+TIME(0,$B$15*TIME(0,4,13)-INT($B$15*TIME(0,4,13)),0)+$B$15*TIME(0,4,13)
23	Height	=IF(B18="Y",0.7*COS(B19)+1.5,COS(B19)+1.2)	=IF(C18="Y",0.7*COS(C19)+1.5,COS(C19)+1.2)	=IF(AF18="Y",0.7*COS(AF19)+1.5,COS(AF19)+1.2)
24	High Tide	0.0729166666666667	=$B$24+TIME(0,$B$15*TIME(0,4,13)-INT($B$24+TIME(0,$B$15*TIME(0,4,13)),0)+$B$15*TIME(0,4,13)	=$B$24+TIME(0,$B$15*TIME(0,4,13)-INT($B$24+TIME(0,$B$15*TIME(0,4,13)),0)+$B$15*TIME(0,4,13)
25	Height	=IF(B17="Y",1.5*SIN(B25)+6,1.2*SIN(B25)+6)	=IF(C17="Y",1.5*SIN(C25)+6,1.2*SIN(C25)+6)	=IF(AF17="Y",1.5*SIN(AF25)+6,1.2*SIN(AF25)+6)
26	Low Tide	0.854861666666667	=$B$26+TIME(0,$B$15*TIME(0,4,13)-INT($B$26+TIME(0,$B$15*TIME(0,4,13)),0)+$B$15*TIME(0,4,13)	=$B$26+TIME(0,$B$15*TIME(0,4,13)-INT($B$26+TIME(0,$B$15*TIME(0,4,13)),0)+$B$15*TIME(0,4,13)
27	Height	=IF(B18="Y",0.7*COS(B25)+1.5,COS(B25)+1.2)	=IF(C18="Y",0.7*COS(C25)+1.5,COS(C25)+1.2)	=IF(AF18="Y",0.7*COS(AF25)+1.5,COS(AF25)+1.2)

	A	B	C	H	I	J	K	L	M	N	O
11	Week Beginning	01/08/2016	Time								
12	Monday	Time In	Time Out			Statistics	Monday				
13	Marina	12:00	12:00		Visits	Tide Start	Tide End	Depth In	Depth Out	Clearance In	Clearance Out
14	Fingals Cave	12:15	12:30	Bird Sanctuary	1	2.086153846	2.278461538	Y	Y	Y	Y
15	Upton Manor	13:03	13:21	Seal Flats	1	0.028461538	0.328461538	Y	Y	Y	Y
16	Wilson Falls	13:39	13:55	Upton Manor	1	3.312931507	3.125534247	Y	Y	Y	Y
17	Seal Flats	14:52	15:12	Fingals Cave	1	3.820465753	3.656493151	Y	Y	Y	Y
18	Matildas Secret	16:03	16:18	Matildas Secret	1	1.113076923	1.343846154	Y	Y	Y	Y
19	Bird Sanctuary	17:03	17:18	Wilson Falls	1	2.938136986	2.774164384	Y	Y	Y	Y
20	Marina	17:36	17:36								
21											
22		03/08/2016	Time								
23	Wednesday	Time In	Time Out			Statistics	Wednesday				
24	Marina	11:00	11:00		Visits	Tide Start	Tide End	Depth In	Depth Out	Clearance In	Clearance Out
25	Bird Sanctuary	11:18	11:33	Bird Sanctuary	1	6.01521935	5.798488856	Y	Y	Y	Y
26	Upton Manor	12:03	12:21	Seal Flats	1	3.631183921	3.362850929	Y	Y	Y	Y
27	Wilson Falls	12:39	12:55	Upton Manor	1	5.385668869	5.137976876	Y	Y	Y	Y
28	Fingals Cave	13:49	14:05	Fingals Cave	1	3.930478412	3.713747918	Y	Y	Y	Y
29	Seal Flats	14:11	14:30	Matildas Secret	1	2.66105695	2.454646956	Y	Y	Y	Y
30	Matildas Secret	15:21	15:36	Wilson Falls	1	4.890284883	4.67355439	Y	Y	Y	Y
31	Marina	16:00	16:00								
32											
33		05/08/2016	Time								
34	Friday	Time In	Time Out			Statistics	Friday				
35	Marina	12:00	12:00		Visits	Tide Start	Tide End	Depth In	Depth Out	Clearance In	Clearance Out
36	Bird Sanctuary	12:18	12:33	Bird Sanctuary	1	6.607855552	6.344724629	Y	Y	Y	Y
37	Wilson Falls	13:24	13:40	Seal Flats	1	1.909089059	1.583307916	Y	Y	Y	Y
38	Upton Manor	13:58	14:16	Upton Manor	1	4.928829659	4.628108603	Y	Y	Y	Y
39	Fingals Cave	14:49	15:05	Fingals Cave	1	4.076786668	3.813655744	Y	Y	Y	Y
40	Matildas Secret	15:53	16:08	Matildas Secret	1	3.01173293	2.76113205	Y	Y	Y	Y
41	Seal Flats	16:59	17:18	Wilson Falls	1	5.492681638	5.229550714	Y	Y	Y	Y
42	Marina	17:36	17:36								

		Must see date and time Do not award marks if previous formulae are clearly incorrect.		
(b)	B1	Monday – all sites visited <2 red cells	1	
	B2	Monday - all sites visited 0 red cells	1	
	B3	Wednesday – all sites visited <2 red cells	1	
	B4	Wednesday - all sites visited 0 red cells	1	
	B5	Friday – all sites visited <2 red cells	1	
	B6	Friday - all sites visited 0 red cells	1	
				6
(c)		**Printouts**		
		Both required printouts in the right order are needed to be eligible for mark C1. Do not award for screen shots.		
	C1	Row and column headings and gridlines on (both worksheets)		
		and correct header and footer (both worksheets)		
		and correct rows and columns printed (both worksheets)	1	
				1
		Total Marks for Activity 3		**18**

Activity 4	Handover document		

Indicative content
A handover document, not a memo or a letter.(Limited to Level 2 if not a handover document.)
Suitable title e.g. "LML Model Handover document"
Description of how to use the model and what to look for.
Selecting the week beginning date and the start time.
How to make the choice of where initially to place visits.
Description of tips on how to use the model efficiently.
Evaluative statements on how easy the model is to use.
Suggestions for improvement. e.g. "It would be possible to change the drop down list to show which of the visits could be accommodated in a particular tidal values"

Level	Marks	
Level 0	0 marks	No rewardable content
Level 1	1-5	The candidate will have described how to use the model. It will probably be a simple explanation of the drop-down boxes and limit itself to Monday. They may not have included setting the week beginning date. They will be unable to give any tips other than trial and error and checking there are no red boxes. There will be little evaluative comment about the model although there may be the usual objections to the colour scheme. The candidate may include diagrams but these will not be explained. The candidate uses everyday language and the response lacks clarity and organisation. Spelling, punctuation and the rules of grammar are used with limited accuracy.
Level 2	6-10	The candidate will have described how to use the model. There will be a good explanation of the drop down boxes and how they work. They will have included setting the week beginning date. They will have some strategy for choosing the start time and may look for places to put the most difficult to place first (Fingals Cave, Upton Manor). There will be some evaluative comment about the model other than colour scheme. The candidate will include diagrams and these will be briefly explained. The candidate uses some specialist terms and shows some focus and organisation. Spelling, punctuation and the rules of grammar are used with some accuracy.
Level 3	11-15	The candidate will have described how to use the model and their description will show the order of doing things. It will focus on how the user will use the model rather than how things are done. They will have included setting the week beginning date. They will have a good strategy for choosing the start time and will probably look to put the most difficult place first (Fingals Cave, Upton Manor). They will have recognised that in many cases the same order of trips can be done an hour later on the next day. There will be extensive evaluative comment about the model, other than colour scheme. The candidate will include diagrams and these will be comprehensively explained. The candidate uses a range of appropriate specialist terms and shows good focus and organisation. Spelling, punctuation and the rules of grammar used with considerable accuracy.

		Total Marks for Activity 4		**15**
SWW				
	S1	Authenticating Work (All WP pages have task number, Name, centre number).	**1**	
	S2	Appropriate Structure (Pages in correct order & folder assembled correctly)	**1**	
		Total for SWW		**2**
		Total for Paper		**90**