

APPENDIX TO
GRADING IN THE LEAVING CERTIFICATE EXAMINATION:
A DISCUSSION PAPER

Tables S1 – S128

Thomas Kellaghan and David Millar

Educational Research Centre
St Patrick's College, Dublin 9

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Table S1: Subject Pairs Analysis for Higher Level Accounting LCE 2000

	Subject	Number of candidates	Mean grade in Accounting	Mean grade in comparison subject
1	Accounting	5319	6.1	-
2	Art	225	7.0	5.9
3	Biology	1587	5.9	6.1
4	Business Organisation	1683	6.3	5.6
5	Chemistry	861	4.3	5.2
6	Construction Studies	174	7.3	4.6
7	English	4449	5.9	6.7
8	French	2734	5.5	6.4
9	Geography	1672	6.8	5.6
10	German	1033	5.6	5.6
11	Home Economics (S&S)	1006	6.4	5.8
12	History	700	6.2	5.9
13	Irish	2857	5.4	5.8
14	Mathematics	2739	4.9	5.8
15	Physics	1071	4.8	5.7
16	Technical Drawing	231	6.0	5.2
	Mean (all subjects)		5.9	5.7

Note: A high numerical value represents a low grade.

Table S2: Subject Pairs Analysis for Higher Level Art LCE 2000

	Subject	Number of candidates	Mean grade in Art	Mean grade in comparison subject
1	Accounting	225	5.9	7.0
2	Art	6608	7.1	-
3	Biology	1741	5.9	7.2
4	Business Organisation	1393	6.9	7.5
5	Chemistry	275	4.8	6.7
6	Construction Studies	522	8.0	5.9
7	English	4170	6.2	7.3
8	French	1870	5.6	7.1
9	Geography	2322	6.8	7.1
10	German	735	5.9	6.2
11	Home Economics (S&S)	1532	7.0	7.6
12	History	842	6.2	7.4
13	Irish	1667	5.7	6.3
14	Mathematics	891	5.2	7.1
15	Physics	398	5.6	7.2
16	Technical Drawing	315	6.6	6.4
	Mean (all subjects)		6.2	6.9

Note: A high numerical value represents a low grade.

Table S3: Subject Pairs Analysis for Higher Level Biology LCE 2000

	Subject	Number of candidates	Mean grade in Biology	Mean grade in comparison subject
1	Accounting	1587	6.1	5.9
2	Art	1741	7.2	5.9
3	Biology	14748	6.9	-
4	Business Organisation	4635	7.6	6.2
5	Chemistry	2540	4.3	6.0
6	Construction Studies	544	8.1	4.8
7	English	12325	6.6	6.7
8	French	7562	6.1	6.6
9	Geography	6176	7.3	5.8
10	German	2559	6.0	5.5
11	Home Economics (S&S)	5601	7.2	5.8
12	History	2381	6.7	6.2
13	Irish	7416	6.0	5.8
14	Mathematics	4047	4.7	6.2
15	Physics	1144	4.7	5.9
16	Technical Drawing	395	6.6	5.9
	Mean (all subjects)		6.3	5.9

Note: A high numerical value represents a low grade.

Table S4: Subject Pairs Analysis for Higher Level Business Organisation LCE 2000

	Subject	Number of candidates	Mean grade in Business Org.	Mean grade in comparison subject
1	Accounting	1683	5.6	6.3
2	Art	1393	7.5	6.9
3	Biology	4635	6.2	7.6
4	Business Org.	15975	7.2	-
5	Chemistry	684	4.9	6.9
6	Construction Studies	969	8.2	5.4
7	English	11183	6.5	7.5
8	French	5518	5.8	7.4
9	Geography	7031	7.2	6.6
10	German	2091	5.9	6.5
11	Home Economics (S&S)	5191	7.3	7.2
12	History	2431	6.5	7.0
13	Irish	5356	5.9	6.5
14	Mathematics	2578	4.9	6.9
15	Physics	980	5.4	7.1
16	Technical Drawing	436	7.1	6.8
	Mean (all subjects)		6.3	6.8

Note: A high numerical value represents a low grade.

Table S5: Subject Pairs Analysis for Higher Level Chemistry LCE 2000

	Subject	Number of candidates	Mean grade in Chemistry	Mean grade in comparison subject
1	Accounting	861	5.2	4.3
2	Art	275	6.7	4.8
3	Biology	2540	6.0	4.3
4	Business Organisation	684	6.9	4.9
5	Chemistry	4820	6.1	-
6	Construction Studies	89	7.9	4.1
7	English	4342	6.0	5.7
8	French	2993	5.7	5.2
9	Geography	1255	6.6	4.6
10	German	1188	5.7	4.3
11	Home Economics (S&S)	691	6.4	4.2
12	History	577	6.6	4.9
13	Irish	3072	5.5	4.8
14	Mathematics	3354	5.2	5.1
15	Physics	1634	5.3	4.4
16	Technical Drawing	283	6.2	4.1
	Mean (all subjects)		6.1	4.6

Note: A high numerical value represents a low grade.

Table S6: Subject Pairs Analysis for Higher Level Construction Studies LCE 2000

	Subject	Number of candidates	Mean grade in Construction Studies	Mean grade in comparison subject
1	Accounting	174	4.6	7.3
2	Art	522	5.9	8.0
3	Biology	544	4.8	8.1
4	Business Organisation	969	5.4	8.2
5	Chemistry	89	4.1	7.9
6	Construction Studies	6404	6.0	-
7	English	2052	4.9	8.3
8	French	636	4.4	8.5
9	Geography	2312	5.5	7.8
10	German	233	4.8	7.6
11	Home Economics (S&S)	325	5.6	8.8
12	History	365	5.7	8.0
13	Irish	842	4.6	7.4
14	Mathematics	647	3.8	7.5
15	Physics	467	3.8	7.5
16	Technical Drawing	1196	4.5	6.8
	Mean (all subjects)		4.8	7.8

Note: A high numerical value represents a low grade.

Table S7: Subject Pairs Analysis for Higher Level English LCE 2000

	Subject	Number of candidates	Mean grade in English	Mean grade in comparison subject
1	Accounting	4449	6.7	5.9
2	Art	4170	7.3	6.2
3	Biology	12325	6.7	6.6
4	Business Organisation	11183	7.5	6.5
5	Chemistry	4342	5.7	6.0
6	Construction Studies	2052	8.3	4.9
7	English	30288	7.2	-
8	French	14131	6.3	6.7
9	Geography	13927	7.4	6.1
10	German	5308	6.4	5.8
11	Home Economics (S&S)	9077	7.6	6.4
12	History	6242	6.5	6.6
13	Irish	14131	6.2	6.0
14	Mathematics	8735	5.9	6.2
15	Physics	4539	6.3	6.1
16	Technical Drawing	1952	7.6	5.6
	Mean (all subjects)		6.8	6.1

Note: A high numerical value represents a low grade.

Table S8: Subject Pairs Analysis for Higher Level French LCE 2000

	Subject	Number of candidates	Mean grade in French	Mean grade in comparison subject
1	Accounting	2734	6.4	5.5
2	Art	1870	7.1	5.6
3	Biology	7562	6.6	6.1
4	Business Organisation	5518	7.4	5.8
5	Chemistry	2993	5.2	5.7
6	Construction Studies	636	8.5	4.4
7	English	14131	6.7	6.3
8	French	15704	6.9	-
9	Geography	6761	7.3	5.5
10	German	915	4.6	3.9
11	Home Economics (S&S)	4736	7.4	5.6
12	History	3178	6.6	5.9
13	Irish	9371	6.1	5.6
14	Mathematics	5779	5.5	5.9
15	Physics	2746	5.9	5.6
16	Technical Drawing	865	7.3	5.0
	Mean (all subjects)		6.6	5.5

Note: A high numerical value represents a low grade.

Table S9: Subject Pairs Analysis for Higher Level Geography LCE 2000

	Subject	Number of candidates	Mean grade in Geography	Mean grade in comparison subject
1	Accounting	1672	5.6	6.8
2	Art	2322	7.1	6.8
3	Biology	6176	5.8	7.3
4	Business Organisation	7031	6.6	7.2
5	Chemistry	1255	4.6	6.6
6	Construction Studies	2312	7.8	5.5
7	English	13927	6.1	7.4
8	French	6761	5.5	7.3
9	Geography	20951	6.8	-
10	German	2456	5.8	6.4
11	Home Economics (S&S)	5528	6.7	7.2
12	History	2797	6.3	7.2
13	Irish	6836	5.5	6.4
14	Mathematics	3366	4.9	6.8
15	Physics	1557	5.3	6.9
16	Technical Drawing	1093	6.7	6.6
	Mean (all subjects)		6.0	6.8

Note: A high numerical value represents a low grade.

Table S10: Subject Pairs Analysis for Higher Level German LCE 2000

	Subject	Number of candidates	Mean grade in German	Mean grade in comparison subject
1	Accounting	1033	5.6	5.6
2	Art	735	6.2	5.9
3	Biology	2559	5.5	6.0
4	Business Organisation	2091	6.5	5.9
5	Chemistry	1188	4.3	5.7
6	Construction Studies	233	7.6	4.8
7	English	5308	5.8	6.4
8	French	915	3.9	4.6
9	Geography	2456	6.4	5.8
10	German	6033	6.0	-
11	Home Economics (S&S)	1576	6.5	6.0
12	History	1202	5.8	6.0
13	Irish	3476	5.1	5.6
14	Mathematics	2118	4.6	5.9
15	Physics	1076	5.0	5.6
16	Technical Drawing	320	6.6	5.3
	Mean (all subjects)		5.7	5.7

Note: A high numerical value represents a low grade.

Table S11: Subject Pairs Analysis for Higher Level Home Economics (Scientific and Social) LCE 2000

	Subject	Number of candidates	Mean grade in Home Economics (S&S)	Mean grade in comparison subject
1	Accounting	1006	5.8	6.4
2	Art	1532	7.6	7.0
3	Biology	5601	5.8	7.2
4	Business Organisation	5191	7.2	7.3
5	Chemistry	691	4.2	6.4
6	Construction Studies	325	8.8	5.6
7	English	9077	6.4	7.6
8	French	4736	5.6	7.4
9	Geography	5528	7.2	6.7
10	German	1576	6.0	6.5
11	Home Economics (S&S)	13887	7.2	-
12	History	1342	6.5	7.1
13	Irish	4843	5.7	6.4
14	Mathematics	1476	4.7	6.8
15	Physics	333	5.4	7.0
16	Technical Drawing	128	7.7	6.8
	Mean (all subjects)		6.3	6.8

Note: A high numerical value represents a low grade.

Table S12: Subject Pairs Analysis for Higher Level History LCE 2000

	Subject	Number of candidates	Mean grade in History	Mean grade in comparison subject
1	Accounting	700	5.9	6.2
2	Art	842	7.4	6.2
3	Biology	2381	6.2	6.7
4	Business Organisation	2431	7.0	6.5
5	Chemistry	577	4.9	6.6
6	Construction Studies	365	8.0	5.7
7	English	6242	6.6	6.5
8	French	3178	5.9	6.6
9	Geography	2797	7.2	6.3
10	German	1202	6.0	5.8
11	Home Economics (S&S)	1342	7.1	6.5
12	History	7390	6.9	-
13	Irish	3206	5.8	5.9
14	Mathematics	1576	5.0	6.7
15	Physics	586	5.7	6.9
16	Technical Drawing	184	6.8	6.4
	Mean (all subjects)		6.4	6.4

Note: A high numerical value represents a low grade.

Table S13: Subject Pairs Analysis for Higher Level Irish LCE 2000

	Subject	Number of candidates	Mean grade in Irish	Mean grade in comparison subject
1	Accounting	2857	5.8	5.4
2	Art	1667	6.3	5.7
3	Biology	7416	5.8	6.0
4	Business Organisation	5356	6.5	5.9
5	Chemistry	3072	4.8	5.5
6	Construction Studies	842	7.4	4.6
7	English	14131	6.0	6.2
8	French	9371	5.6	6.1
9	Geography	6836	6.4	5.5
10	German	3476	5.6	5.1
11	Home Economics (S&S)	4843	6.4	5.7
12	History	3206	5.9	5.8
13	Irish	16035	6.2	-
14	Mathematics	5712	5.1	5.8
15	Physics	2680	5.4	5.5
16	Technical Drawing	856	6.6	5.1
	Mean (all subjects)		6.0	5.6

Note: A high numerical value represents a low grade.

Table S14: Subject Pairs Analysis for Higher Level Mathematics LCE 2000

	Subject	Number of candidates	Mean grade in Mathematics	Mean grade in comparison subject
1	Accounting	2739	5.8	4.9
2	Art	891	7.1	5.2
3	Biology	4047	6.2	4.7
4	Business Organisation	2578	6.9	4.9
5	Chemistry	3354	5.1	5.2
6	Construction Studies	647	7.5	3.8
7	English	8735	6.2	5.9
8	French	5779	5.9	5.5
9	Geography	3366	6.8	4.9
10	German	2118	5.9	4.6
11	Home Economics (S&S)	1476	6.8	4.7
12	History	1576	6.7	5.0
13	Irish	5712	5.8	5.1
14	Mathematics	9909	6.3	-
15	Physics	3949	5.5	5.4
16	Technical Drawing	1313	6.5	4.2
	Mean (all subjects)		6.3	4.9

Note: A high numerical value represents a low grade.

Table S15: Subject Pairs Analysis for Higher Level Physics LCE 2000

	Subject	Number of candidates	Mean grade in Physics	Mean grade in comparison subject
1	Accounting	1071	5.7	4.8
2	Art	398	7.2	5.6
3	Biology	1144	5.9	4.7
4	Business Organisation	980	7.1	5.4
5	Chemistry	1634	4.4	5.3
6	Construction Studies	467	7.5	3.8
7	English	4539	6.1	6.3
8	French	2746	5.6	5.9
9	Geography	1557	6.9	5.3
10	German	1076	5.6	5.0
11	Home Economics (S&S)	333	7.0	5.4
12	History	586	6.9	5.7
13	Irish	2680	5.5	5.4
14	Mathematics	3949	5.4	5.5
15	Physics	5284	6.3	-
16	Technical Drawing	1060	6.5	4.5
	Mean (all subjects)		6.2	5.2

Note: A high numerical value represents a low grade.

Table S16: Subject Pairs Analysis for Higher Level Technical Drawing LCE 2000

	Subject	Number of candidates	Mean grade in Technical Drawing	Mean grade in comparison subject
1	Accounting	231	5.2	6.0
2	Art	315	6.4	6.6
3	Biology	395	5.9	6.6
4	Business Organisation	436	6.8	7.1
5	Chemistry	283	4.1	6.2
6	Construction Studies	1196	6.8	4.5
7	English	1952	5.6	7.6
8	French	865	5.0	7.3
9	Geography	1093	6.6	6.7
10	German	320	5.3	6.6
11	Home Economics (S&S)	128	6.8	7.7
12	History	184	6.4	6.8
13	Irish	856	5.1	6.6
14	Mathematics	1313	4.2	6.5
15	Physics	1060	4.5	6.5
16	Technical Drawing	3226	6.3	-
	Mean (all subjects)		5.6	6.6

Note: A high numerical value represents a low grade.

Table S17: Subject Pairs Analysis for Higher Level Accounting LCE 2001

	Subject	Number of candidates	Mean grade in Accounting	Mean grade in comparison subject
1	Accounting	4650	5.8	-
2	Art	155	6.7	5.7
3	Biology	1337	5.7	5.5
4	Business Organisation	1613	6.1	4.6
5	Chemistry	760	4.0	5.1
6	Construction Studies	176	6.9	4.4
7	English	3923	5.6	5.9
8	French	2522	5.2	6.3
9	Geography	1554	6.4	5.8
10	German	829	5.1	5.6
11	Home Economics (S&S)	847	6.5	5.7
12	History	575	5.8	5.5
13	Irish	2523	5.1	5.7
14	Mathematics	2398	4.4	4.9
15	Physics	947	4.4	6.0
16	Technical Drawing	219	5.4	4.3
	Mean (all subjects)		5.6	5.4

Note: A high numerical value represents a low grade.

Table S18: Subject Pairs Analysis for Higher Level Art LCE 2001

	Subject	Number of candidates	Mean grade in Art	Mean grade in comparison subject
1	Accounting	155	5.7	6.7
2	Art	6062	6.7	-
3	Biology	1566	5.6	7.0
4	Business Organisation	1214	6.4	7.2
5	Chemistry	288	4.9	7.1
6	Construction Studies	465	7.5	5.8
7	English	4056	6.0	6.5
8	French	1821	5.3	7.0
9	Geography	2191	6.5	7.3
10	German	631	5.6	6.4
11	Home Economics (S&S)	1468	6.6	7.6
12	History	812	6.0	7.2
13	Irish	1574	5.4	6.4
14	Mathematics	784	4.8	5.9
15	Physics	414	5.2	7.5
16	Technical Drawing	292	6.1	6.1
	Mean (all subjects)		5.8	6.8

Note: A high numerical value represents a low grade.

Table S19: Subject Pairs Analysis for Higher Level Biology LCE 2001

	Subject	Number of candidates	Mean grade in Biology	Mean grade in comparison subject
1	Accounting	1337	5.5	5.7
2	Art	1566	7.0	5.6
3	Biology	13206	6.7	-
4	Business Organisation	4294	7.4	6.0
5	Chemistry	2233	4.1	5.7
6	Construction Studies	478	8.0	4.8
7	English	11135	6.4	6.0
8	French	6736	5.9	6.4
9	Geography	5635	7.1	6.0
10	German	2240	5.9	5.8
11	Home Economics (S&S)	4908	7.1	5.9
12	History	1992	6.6	6.1
13	Irish	6491	5.8	5.8
14	Mathematics	3560	4.4	5.4
15	Physics	1030	4.2	6.0
16	Technical Drawing	326	6.5	5.8
	Mean (all subjects)		6.1	5.8

Note: A high numerical value represents a low grade.

Table S20: Subject Pairs Analysis for Higher Level Business Organisation LCE 2001

	Subject	Number of candidates	Mean grade in Business Organisation	Mean grade in comparison subject
1	Accounting	1613	4.6	6.1
2	Art	1214	7.2	6.4
3	Biology	4294	6.0	7.4
4	Business Org.	14972	6.9	-
5	Chemistry	691	4.6	6.5
6	Construction Studies	1012	8.1	5.3
7	English	11033	6.4	6.6
8	French	5503	5.6	7.1
9	Geography	6896	7.1	6.8
10	German	1978	5.6	6.5
11	Home Economics (S&S)	4753	7.0	7.0
12	History	2210	6.3	6.6
13	Irish	5183	5.5	6.4
14	Mathematics	2576	4.5	6.0
15	Physics	1017	5.2	7.4
16	Technical Drawing	426	7.0	6.3
	Mean (all subjects)		6.0	6.6

Note: A high numerical value represents a low grade.

Table S21: Subject Pairs Analysis for Higher Level Chemistry LCE 2001

	Subject	Number of candidates	Mean grade in Chemistry	Mean grade in comparison subject
1	Accounting	760	5.1	4.0
2	Art	288	7.1	4.9
3	Biology	2233	5.7	4.1
4	Business Organisation	691	6.5	4.6
5	Chemistry	4599	5.9	-
6	Construction Studies	97	7.2	3.9
7	English	4134	5.8	5.1
8	French	2804	5.4	5.1
9	Geography	1289	6.6	5.0
10	German	1054	5.6	4.5
11	Home Economics (S&S)	604	6.1	4.4
12	History	590	6.3	4.7
13	Irish	2800	5.3	4.9
14	Mathematics	3059	4.9	4.4
15	Physics	1593	5.0	5.1
16	Technical Drawing	272	6.3	4.1
	Mean (all subjects)		5.9	4.6

Note: A high numerical value represents a low grade.

Table S22: Subject Pairs Analysis for Higher Level Construction Studies LCE 2001

	Subject	Number of candidates	Mean grade in Construction Studies	Mean grade in comparison subject
1	Accounting	176	4.4	6.9
2	Art	465	5.8	7.5
3	Biology	478	4.8	8.0
4	Business Organisation	1012	5.3	8.1
5	Chemistry	97	3.9	7.2
6	Construction Studies	6157	5.8	-
7	English	2203	4.8	7.7
8	French	574	4.1	8.3
9	Geography	2298	5.4	8.0
10	German	231	4.4	7.8
11	Home Economics (S&S)	273	5.5	8.7
12	History	288	5.6	7.9
13	Irish	890	4.5	7.6
14	Mathematics	591	3.5	6.7
15	Physics	467	3.7	8.4
16	Technical Drawing	1141	4.3	6.7
	Mean (all subjects)		4.7	7.7

Note: A high numerical value represents a low grade.

Table S23: Subject Pairs Analysis for Higher Level English LCE 2001

	Subject	Number of candidates	Mean grade in English	Mean grade in comparison subject
1	Accounting	3923	5.9	5.6
2	Art	4056	6.5	6.0
3	Biology	11135	6.0	6.4
4	Business Organisation	11033	6.6	6.4
5	Chemistry	4134	5.1	5.8
6	Construction Studies	2203	7.7	4.8
7	English	29660	6.5	-
8	French	13475	5.6	6.6
9	Geography	13963	6.6	6.4
10	German	4868	5.6	6.0
11	Home Economics (S&S)	8611	6.8	6.6
12	History	5623	5.7	6.3
13	Irish	13192	5.5	6.1
14	Mathematics	8138	5.3	5.4
15	Physics	4426	5.6	6.6
16	Technical Drawing	1948	6.8	5.3
	Mean (all subjects)		6.1	6.0

Note: A high numerical value represents a low grade.

Table S24: Subject Pairs Analysis for Higher Level French LCE 2001

	Subject	Number of candidates	Mean grade in French	Mean grade in comparison subject
1	Accounting	2522	6.3	5.2
2	Art	1821	7.0	5.3
3	Biology	6736	6.4	5.9
4	Business Organisation	5503	7.1	5.6
5	Chemistry	2804	5.1	5.4
6	Construction Studies	574	8.3	4.1
7	English	13475	6.6	5.6
8	French	14954	6.7	-
9	Geography	6664	7.2	5.7
10	German	757	4.4	3.9
11	Home Economics (S&S)	4413	7.2	5.8
12	History	2864	6.4	5.6
13	Irish	8677	5.9	5.7
14	Mathematics	5344	5.5	5.0
15	Physics	2668	5.8	6.0
16	Technical Drawing	842	7.3	4.6
	Mean (all subjects)		6.4	5.3

Note: A high numerical value represents a low grade.

Table S25: Subject Pairs Analysis for Higher Level Geography LCE 2001

	Subject	Number of candidates	Mean grade in Geography	Mean grade in comparison subject
1	Accounting	1554	5.8	6.4
2	Art	2191	7.3	6.5
3	Biology	5635	6.0	7.1
4	Business Organisation	6896	6.8	7.1
5	Chemistry	1289	5.0	6.6
6	Construction Studies	2298	8.0	5.4
7	English	13963	6.4	6.6
8	French	6664	5.7	7.2
9	Geography	20172	7.0	-
10	German	2417	5.9	6.6
11	Home Economics (S&S)	5241	7.0	7.4
12	History	2426	6.4	6.6
13	Irish	6540	5.7	6.5
14	Mathematics	3287	5.1	6.0
15	Physics	1648	5.6	7.4
16	Technical Drawing	1005	6.9	6.3
	Mean (all subjects)		6.2	6.6

Note: A high numerical value represents a low grade.

Table S26: Subject Pairs Analysis for Higher Level German LCE 2001

	Subject	Number of candidates	Mean grade in German	Mean grade in comparison subject
1	Accounting	829	5.6	5.1
2	Art	631	6.4	5.6
3	Biology	2240	5.8	5.9
4	Business Organisation	1978	6.5	5.6
5	Chemistry	1054	4.5	5.6
6	Construction Studies	231	7.8	4.4
7	English	4868	6.0	5.6
8	French	757	3.9	4.4
9	Geography	2417	6.6	5.9
10	German	5502	6.2	-
11	Home Economics (S&S)	1344	6.7	5.8
12	History	1105	5.8	5.7
13	Irish	3122	5.2	5.6
14	Mathematics	1898	4.7	5.2
15	Physics	1020	5.2	6.3
16	Technical Drawing	311	7.0	5.1
	Mean (all subjects)		5.8	5.5

Note: A high numerical value represents a low grade.

Table S27: Subject Pairs Analysis for Higher Level Home Economics (Scientific and Social) LCE 2001

	Subject	Number of candidates	Mean grade in Home Economics (S&S)	Mean grade in comparison subject
1	Accounting	847	5.7	6.5
2	Art	1468	7.6	6.6
3	Biology	4908	5.9	7.1
4	Business Organisation	4753	7.0	7.0
5	Chemistry	604	4.4	6.1
6	Construction Studies	273	8.7	5.5
7	English	8611	6.6	6.8
8	French	4413	5.8	7.2
9	Geography	5241	7.4	7.0
10	German	1344	5.8	6.7
11	Home Economics (S&S)	12725	7.3	-
12	History	1141	6.5	6.9
13	Irish	4378	5.7	6.5
14	Mathematics	1292	4.6	5.9
15	Physics	294	5.2	7.2
16	Technical Drawing	94	7.5	6.7
	Mean (all subjects)		6.3	6.6

Note: A high numerical value represents a low grade.

Table S28: Subject Pairs Analysis for Higher Level History LCE 2001

	Subject	Number of candidates	Mean grade in History	Mean grade in comparison subject
1	Accounting	575	5.5	5.8
2	Art	812	7.2	6.0
3	Biology	1992	6.1	6.6
4	Business Organisation	2210	6.6	6.3
5	Chemistry	590	4.7	6.3
6	Construction Studies	288	7.9	5.6
7	English	5623	6.3	5.7
8	French	2864	5.6	6.4
9	Geography	2426	6.6	6.4
10	German	1105	5.7	5.8
11	Home Economics (S&S)	1141	6.9	6.5
12	History	6604	6.6	-
13	Irish	2781	5.7	5.9
14	Mathematics	1428	4.8	5.8
15	Physics	568	5.1	7.3
16	Technical Drawing	160	6.5	5.3
	Mean (all subjects)		6.1	6.1

Note: A high numerical value represents a low grade.

Table S29: Subject Pairs Analysis for Higher Level Irish LCE 2001

	Subject	Number of candidates	Mean grade in Irish	Mean grade in comparison subject
1	Accounting	2523	5.7	5.1
2	Art	1574	6.4	5.4
3	Biology	6491	5.8	5.8
4	Business Organisation	5183	6.4	5.5
5	Chemistry	2800	4.9	5.3
6	Construction Studies	890	7.6	4.5
7	English	13192	6.1	5.5
8	French	8677	5.7	5.9
9	Geography	6540	6.5	5.7
10	German	3122	5.6	5.2
11	Home Economics (S&S)	4378	6.5	5.7
12	History	2781	5.9	5.7
13	Irish	14890	6.2	-
14	Mathematics	5121	5.1	5.1
15	Physics	2554	5.3	6.0
16	Technical Drawing	864	6.7	4.8
	Mean (all subjects)		6.0	5.4

Note: A high numerical value represents a low grade.

Table S30: Subject Pairs Analysis for Higher Level Mathematics LCE 2001

	Subject	Number of candidates	Mean grade in Mathematics	Mean grade in comparison subject
1	Accounting	2398	4.9	4.4
2	Art	784	5.9	4.8
3	Biology	3560	5.4	4.4
4	Business Organisation	2576	6.0	4.5
5	Chemistry	3059	4.4	4.9
6	Construction Studies	591	6.7	3.5
7	English	8138	5.4	5.3
8	French	5344	5.0	5.5
9	Geography	3287	6.0	5.1
10	German	1898	5.2	4.7
11	Home Economics (S&S)	1292	5.9	4.6
12	History	1428	5.8	4.8
13	Irish	5121	5.1	5.1
14	Mathematics	9223	5.5	-
15	Physics	3844	4.7	5.8
16	Technical Drawing	1311	5.8	4.2
	Mean (all subjects)		5.5	4.8

Note: A high numerical value represents a low grade.

Table S31: Subject Pairs Analysis for Higher Level Physics LCE 2001

	Subject	Number of candidates	Mean grade in Physics	Mean grade in comparison subject
1	Accounting	947	6.0	4.4
2	Art	414	7.5	5.2
3	Biology	1030	6.0	4.2
4	Business Organisation	1017	7.4	5.2
5	Chemistry	1593	5.1	5.0
6	Construction Studies	467	8.4	3.7
7	English	4426	6.6	5.6
8	French	2668	6.0	5.8
9	Geography	1648	7.4	5.6
10	German	1020	6.3	5.2
11	Home Economics (S&S)	294	7.2	5.2
12	History	568	7.3	5.1
13	Irish	2554	6.0	5.3
14	Mathematics	3844	5.8	4.7
15	Physics	5144	6.7	-
16	Technical Drawing	1057	7.2	4.2
	Mean (all subjects)		6.7	5.0

Note: A high numerical value represents a low grade.

Table S32: Subject Pairs Analysis for Higher Level Technical Drawing LCE 2001

	Subject	Number of candidates	Mean grade in Technical Drawing	Mean grade in comparison subject
1	Accounting	219	4.3	5.4
2	Art	292	6.1	6.1
3	Biology	326	5.8	6.5
4	Business Organisation	426	6.3	7.0
5	Chemistry	272	4.1	6.3
6	Construction Studies	1141	6.7	4.3
7	English	1948	5.3	6.8
8	French	842	4.6	7.3
9	Geography	1005	6.3	6.9
10	German	311	5.1	7.0
11	Home Economics (S&S)	94	6.7	7.5
12	History	160	5.3	6.5
13	Irish	864	4.8	6.7
14	Mathematics	1311	4.2	5.8
15	Physics	1057	4.2	7.2
16	Technical Drawing	3075	6.0	-
	Mean (all subjects)		5.3	6.5

Note: A high numerical value represents a low grade.

Table S33: Subject Pairs Analysis for Ordinary Level Accounting LCE 2000

	Subject	Number of candidates	Mean grade in Accounting	Mean grade in comparison subject
1	Accounting	2894	7.1	-
2	Art	112	9.9	7.4
3	Biology	568	7.8	8.4
4	Business Organisation	484	8.7	5.6
5	Chemistry	56	7.9	6.4
6	Construction Studies	82	9.6	7.3
7	English	1862	7.9	7.7
8	French	1275	7.3	7.4
9	Geography	422	9.5	6.5
10	German	249	8.0	7.3
11	Home Economics (S&S)	454	9.1	7.8
12	History	224	8.7	7.0
13	Irish	1997	7.0	7.2
14	Mathematics	2472	6.8	7.3
15	Physics	164	7.2	7.8
16	Technical Drawing	78	8.6	6.1
	Mean (all subjects)		8.3	7.1

Note: A high numerical value represents a low grade.

Table S34: Subject Pairs Analysis for Ordinary Level Art LCE 2000

	Subject	Number of candidates	Mean grade in Art	Mean grade in comparison subject
1	Accounting	112	7.4	9.9
2	Art	2910	7.2	-
3	Biology	801	7.0	10.3
4	Business Organisation	939	7.4	7.6
5	Chemistry	27	7.0	9.0
6	Construction Studies	395	7.7	7.7
7	English	2711	7.3	8.8
8	French	855	6.9	9.1
9	Geography	1140	7.6	7.3
10	German	181	6.8	8.9
11	Home Economics (S&S)	1032	7.2	8.7
12	History	585	7.6	9.3
13	Irish	1369	6.8	8.7
14	Mathematics	1515	6.7	10.3
15	Physics	68	7.2	10.3
16	Technical Drawing	241	7.0	7.5
	Mean (all subjects)		7.2	8.9

Note: A high numerical value represents a low grade.

Table S35: Subject Pairs Analysis for Ordinary Level Biology LCE 2000

	Subject	Number of candidates	Mean grade in Biology	Mean grade in comparison subject
1	Accounting	568	8.4	7.8
2	Art	801	10.3	7.0
3	Biology	10247	8.3	-
4	Business Organisation	2258	9.9	6.4
5	Chemistry	171	7.1	7.5
6	Construction Studies	476	10.7	7.6
7	English	7246	9.1	7.8
8	French	4882	8.4	7.8
9	Geography	2278	10.0	6.5
10	German	1051	8.3	7.5
11	Home Economics (S&S)	2336	9.8	7.8
12	History	1182	9.4	7.6
13	Irish	6927	8.2	7.4
14	Mathematics	8191	7.8	8.6
15	Physics	187	7.6	8.7
16	Technical Drawing	454	9.1	7.2
	Mean (all subjects)		8.9	7.5

Note: A high numerical value represents a low grade.

Table S36: Subject Pairs Analysis for Ordinary Level Business Organisation LCE 2000

	Subject	Number of candidates	Mean grade in Business Organisation	Mean grade in comparison subject
1	Accounting	484	5.6	8.7
2	Art	939	7.6	7.4
3	Biology	2258	6.4	9.9
4	Business Organisation	7691	6.4	-
5	Chemistry	88	6.5	8.2
6	Construction Studies	611	7.4	7.5
7	English	6935	6.6	8.3
8	French	3285	6.0	8.5
9	Geography	2926	7.0	6.6
10	German	647	6.1	8.3
11	Home Economics (S&S)	2580	6.8	8.2
12	History	1339	6.6	7.9
13	Irish	4760	5.9	8.4
14	Mathematics	5211	5.8	9.6
15	Physics	224	5.7	9.2
16	Technical Drawing	428	7.0	7.3
	Mean (all subjects)		6.5	8.3

Note: A high numerical value represents a low grade.

Table S37: Subject Pairs Analysis for Ordinary Level Chemistry LCE 2000

	Subject	Number of candidates	Mean grade in Chemistry	Mean grade in comparison subject
1	Accounting	56	6.4	7.9
2	Art	27	9.0	7.0
3	Biology	171	7.5	7.1
4	Business Organisation	88	8.2	6.5
5	Chemistry	1156	6.1	-
6	Construction Studies	26	8.5	7.2
7	English	485	7.5	7.3
8	French	437	6.6	7.0
9	Geography	78	9.3	5.9
10	German	99	7.4	7.3
11	History	75	8.9	6.0
12	Home Economics (S&S)	26	8.4	7.6
13	Irish	700	6.3	6.7
14	Mathematics	950	6.2	6.5
15	Physics	130	7.0	6.8
16	Technical Drawing	57	7.7	6.0
	Mean (all subjects)		7.7	6.9

Note: A high numerical value represents a low grade.

Table S38: Subject Pairs Analysis for Ordinary Level Construction Studies LCE 2000

	Subject	Number of candidates	Mean grade in Construction Studies	Mean grade in comparison subject
1	Accounting	82	7.3	9.6
2	Art	395	7.7	7.7
3	Biology	476	7.6	10.7
4	Business Organisation	611	7.5	7.4
5	Chemistry	26	7.2	8.5
6	Construction Studies	2243	7.4	-
7	English	2150	7.5	9.2
8	French	478	7.4	9.6
9	Geography	995	7.6	7.2
10	German	73	7.0	8.5
11	Home Economics (S&S)	284	8.0	9.8
12	History	404	7.9	8.9
13	Irish	1005	7.2	9.0
14	Mathematics	1227	7.1	10.1
15	Physics	106	7.1	10.1
16	Technical Drawing	705	7.1	8.3
	Mean (all subjects)		7.4	9.0

Note: A high numerical value represents a low grade.

Table S39: Subject Pairs Analysis for Ordinary Level English LCE 2000

	Subject	Number of candidates	Mean grade in English	Mean grade in comparison subject
1	Accounting	1862	7.7	7.9
2	Art	2711	8.8	7.3
3	Biology	7246	7.8	9.1
4	Business Organisation	6935	8.3	6.6
5	Chemistry	485	7.3	7.5
6	Construction Studies	2150	9.2	7.5
7	English	25062	7.6	-
8	French	10714	7.3	8.1
9	Geography	7242	8.7	6.7
10	German	2209	7.4	8.0
11	Home Economics (S&S)	5586	8.3	8.2
12	History	3767	8.0	7.8
13	Irish	16281	7.2	7.8
14	Mathematics	18296	7.2	8.5
15	Physics	1505	7.6	8.1
16	Technical Drawing	2894	8.7	6.8
	Mean (all subjects)		8.0	7.7

Note: A high numerical value represents a low grade.

Table S40: Subject Pairs Analysis for Ordinary Level French LCE 2000

	Subject	Number of candidates	Mean grade in French	Mean grade in comparison subject
1	Accounting	1275	7.4	7.3
2	Art	855	9.1	6.9
3	Biology	4882	7.8	8.4
4	Business Organisation	3285	8.5	6.0
5	Chemistry	437	7.0	6.6
6	Construction Studies	478	9.6	7.4
7	English	10714	8.1	7.3
8	French	18623	7.1	-
9	Geography	2818	9.0	6.1
10	German	51	6.0	6.0
11	Home Economics (S&S)	3033	8.7	7.7
12	History	1477	8.2	7.0
13	Irish	13520	7.2	7.0
14	Mathematics	15136	7.0	7.6
15	Physics	879	7.2	7.5
16	Technical Drawing	862	8.6	6.3
	Mean (all subjects)		8.0	7.0

Note: A high numerical value represents a low grade.

Table S41: Subject Pairs Analysis for Ordinary Level Geography LCE 2000

	Subject	Number of candidates	Mean grade in Geography	Mean grade in comparison subject
1	Accounting	422	6.5	9.5
2	Art	1140	7.3	7.6
3	Biology	2278	6.5	10.0
4	Business Organisation	2926	6.6	7.0
5	Chemistry	78	5.9	9.3
6	Construction Studies	995	7.2	7.6
7	English	7242	6.7	8.7
8	French	2818	6.1	9.0
9	Geography	7780	6.6	-
10	German	618	6.2	8.6
11	Home Economics (S&S)	2428	7.0	8.6
12	History	1428	6.7	8.5
13	Irish	4354	6.0	8.5
14	Mathematics	4757	5.9	10.0
15	Physics	288	6.2	10.2
16	Technical Drawing	863	6.7	7.7
	Mean (all subjects)		6.5	8.7

Note: A high numerical value represents a low grade.

Table S42: Subject Pairs Analysis for Ordinary Level German LCE 2000

	Subject	Number of candidates	Mean grade in German	Mean grade in comparison subject
1	Accounting	249	7.3	8.0
2	Art	181	8.9	6.8
3	Biology	1051	7.5	8.3
4	Business Organisation	647	8.3	6.1
5	Chemistry	99	7.3	7.4
6	Construction Studies	73	8.5	7.0
7	English	2209	8.0	7.4
8	French	51	6.0	6.0
9	Geography	618	8.6	6.2
10	German	3720	7.0	-
11	Home Economics (S&S)	563	8.3	7.7
12	History	424	8.2	7.3
13	Irish	2728	7.0	7.3
14	Mathematics	3041	6.9	8.0
15	Physics	230	7.3	8.1
16	Technical Drawing	171	8.6	6.4
	Mean (all subjects)		7.8	7.2

Note: A high numerical value represents a low grade.

Table S43: Subject Pairs Analysis for Ordinary Level Home Economics (Scientific and Social) LCE 2000

	Subject	Number of candidates	Mean grade in Home Economics (S&S)	Mean grade in comparison subject
1	Accounting	454	7.8	9.1
2	Art	1032	8.7	7.2
3	Biology	2336	7.8	9.8
4	Business Organisation	2580	8.2	6.8
5	Chemistry	26	7.6	8.4
6	Construction Studies	284	9.8	8.0
7	English	5586	8.2	8.3
8	French	3033	7.7	8.7
9	Geography	2428	8.6	7.0
10	German	563	7.7	8.3
11	Home Economics (S&S)	6238	8.0	-
12	History	840	8.4	9.0
13	Irish	3810	7.6	8.1
14	Mathematics	3780	7.5	9.8
15	Physics	69	8.7	10.5
16	Technical Drawing	157	9.5	8.5
	Mean (all subjects)		8.2	8.5

Note: A high numerical value represents a low grade.

Table S44: Subject Pairs Analysis for Ordinary Level History LCE 2000

	Subject	Number of candidates	Mean grade in History	Mean grade in comparison subject
1	Accounting	224	7.0	8.7
2	Art	585	9.3	7.6
3	Biology	1182	7.6	9.4
4	Business Organisation	1339	7.9	6.6
5	Chemistry	75	6.0	8.9
6	Construction Studies	404	8.9	7.9
7	English	3767	7.8	8.0
8	French	1477	7.0	8.2
9	Geography	1428	8.5	6.7
10	German	424	7.3	8.2
11	Home Economics (S&S)	840	9.0	8.4
12	History	4674	7.2	-
13	Irish	2690	6.7	8.2
14	Mathematics	3171	6.4	9.4
15	Physics	204	6.6	9.3
16	Technical Drawing	425	7.9	7.4
	Mean (all subjects)		7.6	8.2

Note: A high numerical value represents a low grade.

Table S45: Subject Pairs Analysis for Ordinary Level Irish LCE 2000

	Subject	Number of candidates	Mean grade in Irish	Mean grade in comparison subject
1	Accounting	1997	7.2	7.0
2	Art	1369	8.7	6.8
3	Biology	6927	7.4	8.2
4	Business Organisation	4760	8.4	5.9
5	Chemistry	700	6.7	6.3
6	Construction Studies	1005	9.0	7.2
7	English	16281	7.8	7.2
8	French	13520	7.0	7.2
9	Geography	4354	8.5	6.0
10	German	2728	7.3	7.0
11	Home Economics (S&S)	3810	8.1	7.6
12	History	2690	8.2	6.7
13	Irish	30862	6.7	-
14	Mathematics	24931	6.8	7.3
15	Physics	1736	7.5	7.2
16	Technical Drawing	1981	8.3	5.8
	Mean (all subjects)		7.8	6.9

Note: A high numerical value represents a low grade.

Table S46: Subject Pairs Analysis for Ordinary Level Mathematics LCE 2000

	Subject	Number of candidates	Mean grade in Mathematics	Mean grade in comparison subject
1	Accounting	2472	7.3	6.8
2	Art	1515	10.3	6.7
3	Biology	8191	8.6	7.8
4	Business Organisation	5211	9.6	5.8
5	Chemistry	950	6.5	6.2
6	Construction Studies	1227	10.1	7.1
7	English	18296	8.5	7.2
8	French	15136	7.6	7.0
9	Geography	4757	10.0	5.9
10	German	3041	8.0	6.9
11	Home Economics (S&S)	3780	9.8	7.5
12	History	3171	9.4	6.4
13	Irish	24931	7.3	6.8
14	Mathematics	39972	6.8	-
15	Physics	2158	6.5	7.3
16	Technical Drawing	2555	8.6	5.7
	Mean (all subjects)		8.6	6.7

Note: A high numerical value represents a low grade.

Table S47: Subject Pairs Analysis for Ordinary Level Physics LCE 2000

	Subject	Number of candidates	Mean grade in Physics	Mean grade in comparison subject
1	Accounting	164	7.8	7.2
2	Art	68	10.3	7.2
3	Biology	187	8.7	7.6
4	Business Organisation	224	9.2	5.7
5	Chemistry	130	6.8	7.0
6	Construction Studies	106	10.1	7.1
7	English	1505	8.1	7.6
8	French	879	7.5	7.2
9	Geography	288	10.2	6.2
10	German	230	8.1	7.3
11	Home Economics (S&S)	69	10.5	8.7
12	History	204	9.3	6.6
13	Irish	1736	7.2	7.5
14	Mathematics	2158	7.3	6.5
15	Physics	2684	7.1	-
16	Technical Drawing	350	8.4	5.3
	Mean (all subjects)		8.6	7.0

Note: A high numerical value represents a low grade.

Table S48: Subject Pairs Analysis for Ordinary Level Technical Drawing LCE 2000

	Subject	Number of candidates	Mean grade in Technical Drawing	Mean grade in comparison subject
1	Accounting	78	6.1	8.6
2	Art	241	7.5	7.0
3	Biology	454	7.2	9.1
4	Business Organisation	428	7.3	7.0
5	Chemistry	57	6.0	7.7
6	Construction Studies	705	8.3	7.1
7	English	2894	6.8	8.7
8	French	862	6.3	8.6
9	Geography	863	7.7	6.7
10	German	171	6.4	8.6
11	Home Economics (S&S)	157	8.5	9.5
12	History	425	7.4	7.9
13	Irish	1981	5.8	8.3
14	Mathematics	2555	5.7	8.6
15	Physics	350	5.3	8.4
16	Technical Drawing	3399	6.5	-
	Mean (all subjects)		6.8	8.1

Note: A high numerical value represents a low grade.

Table S49: Subject Pairs Analysis for Ordinary Level Accounting LCE 2001

	Subject	Number of candidates	Mean grade in Accounting	Mean grade in comparison subject
1	Accounting	2413	6.7	-
2	Art	96	8.8	7.0
3	Biology	450	7.8	8.0
4	Business Organisation	431	8.6	5.5
5	Chemistry	49	7.1	7.2
6	Construction Studies	53	9.2	7.2
7	English	1382	7.7	7.2
8	French	1021	7.0	8.1
9	Geography	344	8.9	6.3
10	German	206	6.7	6.9
11	Home Economics (S&S)	308	8.8	7.5
12	History	182	8.7	6.1
13	Irish	1630	6.6	7.1
14	Mathematics	2040	6.5	7.5
15	Physics	141	6.6	7.5
16	Technical Drawing	70	7.9	6.7
	Mean (all subjects)		7.8	7.1

Note: A high numerical value represents a low grade.

Table S50: Subject Pairs Analysis for Ordinary Level Art LCE 2001

	Subject	Number of candidates	Mean grade in Art	Mean grade in comparison subject
1	Accounting	96	7.0	8.8
2	Art	2568	7.4	-
3	Biology	662	7.3	10.1
4	Business Organisation	758	7.5	7.7
5	Chemistry	24	7.2	10.4
6	Construction Studies	350	8.2	7.3
7	English	2311	7.5	8.4
8	French	747	6.9	9.7
9	Geography	1039	7.7	7.3
10	German	177	6.9	8.8
11	Home Economics (S&S)	879	7.5	8.6
12	History	465	7.6	8.4
13	Irish	1177	6.9	8.6
14	Mathematics	1344	6.8	10.6
15	Physics	95	7.3	10.3
16	Technical Drawing	253	7.7	7.5
	Mean (all subjects)		7.3	8.8

Note: A high numerical value represents a low grade.

Table S51: Subject Pairs Analysis for Ordinary Level Biology LCE 2001

	Subject	Number of candidates	Mean grade in Biology	Mean grade in comparison subject
1	Accounting	450	8.0	7.8
2	Art	662	10.1	7.3
3	Biology	9299	8.5	-
4	Business Organisation	2217	9.7	6.2
5	Chemistry	173	7.3	8.2
6	Construction Studies	433	10.3	7.0
7	English	6065	9.3	7.4
8	French	4401	8.5	8.4
9	Geography	2011	10.1	6.4
10	German	888	8.5	7.4
11	Home Economics (S&S)	2033	9.9	7.6
12	History	1008	9.5	6.6
13	Irish	6254	8.3	7.4
14	Mathematics	7549	8.0	9.1
15	Physics	176	7.9	8.5
16	Technical Drawing	481	9.5	7.5
	Mean (all subjects)		9.0	7.5

Note: A high numerical value represents a low grade.

Table S52: Subject Pairs Analysis for Ordinary Level Business Organisation LCE 2001

	Subject	Number of candidates	Mean grade in Business Organisation	Mean grade in comparison subject
1	Accounting	431	5.5	8.6
2	Art	758	7.7	7.5
3	Biology	2217	6.2	9.7
4	Business Organisation	7666	6.2	-
5	Chemistry	105	6.5	9.3
6	Construction Studies	629	7.5	7.0
7	English	6411	6.6	7.7
8	French	3379	5.9	9.1
9	Geography	2764	7.0	6.7
10	German	631	5.7	8.3
11	Home Economics (S&S)	2249	6.9	7.8
12	History	1221	6.4	6.8
13	Irish	4833	5.8	8.0
14	Mathematics	5399	5.6	9.9
15	Physics	265	5.7	9.3
16	Technical Drawing	430	7.0	7.3
	Mean (all subjects)		6.4	8.2

Note: A high numerical value represents a low grade.

Table S53: Subject Pairs Analysis for Ordinary Level Chemistry LCE 2001

	Subject	Number of candidates	Mean grade in Chemistry	Mean grade in comparison subject
1	Accounting	49	7.2	7.1
2	Art	24	10.4	7.2
3	Biology	173	8.2	7.3
4	Business Organisation	105	9.3	6.5
5	Chemistry	1111	6.6	-
6	Construction Studies	30	9.4	7.0
7	English	425	8.4	7.2
8	French	376	7.5	7.6
9	Geography	90	8.9	5.3
10	German	93	7.7	7.1
11	Home Economics (S&S)	32	10.1	8.0
12	History	70	8.7	5.5
13	Irish	643	7.0	6.9
14	Mathematics	915	6.8	6.9
15	Physics	133	7.4	7.2
16	Technical Drawing	61	9.2	7.2
	Mean (all subjects)		8.4	6.9

Note: A high numerical value represents a low grade.

Table S54: Subject Pairs Analysis for Ordinary Level Construction Studies LCE 2001

	Subject	Number of candidates	Mean grade in Construction Studies	Mean grade in comparison subject
1	Accounting	53	7.2	9.2
2	Art	350	7.3	8.2
3	Biology	433	7.0	10.3
4	Business Organisation	629	7.0	7.5
5	Chemistry	30	7.0	9.4
6	Construction Studies	2200	6.9	-
7	English	2065	6.9	9.0
8	French	466	6.9	9.9
9	Geography	962	7.1	7.2
10	German	110	6.7	8.9
11	Home Economics (S&S)	234	7.2	9.5
12	History	452	7.1	7.6
13	Irish	951	6.6	9.1
14	Mathematics	1213	6.3	10.7
15	Physics	148	6.7	10.6
16	Technical Drawing	685	6.4	8.4
	Mean (all subjects)		6.9	9.0

Note: A high numerical value represents a low grade.

Table S55: Subject Pairs Analysis for Ordinary Level English LCE 2001

	Subject	Number of candidates	Mean grade in English	Mean grade in comparison subject
1	Accounting	1382	7.2	7.7
2	Art	2311	8.4	7.5
3	Biology	6065	7.4	9.3
4	Business Organisation	6411	7.7	6.6
5	Chemistry	425	7.2	8.4
6	Construction Studies	2065	9.0	6.9
7	English	21358	7.2	-
8	French	8944	6.9	8.9
9	Geography	6376	8.1	6.7
10	German	1811	6.9	8.0
11	Home Economics (S&S)	4595	7.8	8.0
12	History	3115	7.7	6.9
13	Irish	13583	6.8	7.8
14	Mathematics	15490	6.8	9.0
15	Physics	1361	7.3	8.5
16	Technical Drawing	2589	8.3	6.9
	Mean (all subjects)		7.6	7.8

Note: A high numerical value represents a low grade.

Table S56: Subject Pairs Analysis for Ordinary Level French LCE 2001

	Subject	Number of candidates	Mean grade in French	Mean grade in comparison subject
1	Accounting	1021	8.1	7.0
2	Art	747	9.7	6.9
3	Biology	4401	8.4	8.5
4	Business Organisation	3379	9.1	5.9
5	Chemistry	376	7.6	7.5
6	Construction Studies	466	9.9	6.9
7	English	8944	8.9	6.9
8	French	17134	7.8	-
9	Geography	2599	9.5	6.2
10	German	27	7.3	6.0
11	Home Economics (S&S)	2522	9.4	7.5
12	History	1274	8.9	6.1
13	Irish	12312	7.8	6.9
14	Mathematics	14009	7.7	8.0
15	Physics	867	8.0	7.4
16	Technical Drawing	803	9.0	6.1
	Mean (all subjects)		8.6	6.9

Note: A high numerical value represents a low grade.

Table S57: Subject Pairs Analysis for Ordinary Level Geography LCE 2001

	Subject	Number of candidates	Mean grade in Geography	Mean grade in comparison subject
1	Accounting	344	6.3	8.9
2	Art	1039	7.3	7.7
3	Biology	2011	6.4	10.1
4	Business Organisation	2764	6.7	7.0
5	Chemistry	90	5.3	8.9
6	Construction Studies	962	7.2	7.1
7	English	6376	6.7	8.1
8	French	2599	6.2	9.5
9	Geography	7054	6.5	-
10	German	573	6.0	8.6
11	Home Economics (S&S)	2034	7.0	8.2
12	History	1271	6.6	7.5
13	Irish	3927	6.0	8.5
14	Mathematics	4377	5.8	10.4
15	Physics	302	6.1	10.0
16	Technical Drawing	760	6.5	7.5
	Mean (all subjects)		6.4	8.5

Note: A high numerical value represents a low grade.

Table S58: Subject Pairs Analysis for Ordinary Level German LCE 2001

	Subject	Number of candidates	Mean grade in German	Mean grade in comparison subject
1	Accounting	206	6.9	6.7
2	Art	177	8.8	6.9
3	Biology	888	7.4	8.5
4	Business Organisation	631	8.3	5.7
5	Chemistry	93	7.1	7.7
6	Construction Studies	110	8.9	6.7
7	English	1811	8.0	6.9
8	French	27	6.0	7.3
9	Geography	573	8.6	6.0
10	German	3402	6.9	-
11	Home Economics (S&S)	433	8.4	7.3
12	History	358	8.0	6.3
13	Irish	2537	7.0	7.2
14	Mathematics	2781	6.8	8.2
15	Physics	230	7.0	7.9
16	Technical Drawing	177	8.1	6.3
	Mean (all subjects)		7.7	7.0

Note: A high numerical value represents a low grade.

Table S59: Subject Pairs Analysis for Ordinary Level Home Economics (Scientific and Social) LCE 2001

	Subject	Number of candidates	Mean grade in Home Economics (S&S)	Mean grade in comparison subject
1	Accounting	308	7.5	8.8
2	Art	879	8.6	7.5
3	Biology	2033	7.6	9.9
4	Business Organisation	2249	7.8	6.9
5	Chemistry	32	8.0	10.1
6	Construction Studies	234	9.5	7.2
7	English	4595	8.0	7.8
8	French	2522	7.5	9.4
9	Geography	2034	8.2	7.0
10	German	433	7.3	8.4
11	Home Economics (S&S)	5198	7.7	-
12	History	646	8.0	8.0
13	Irish	3105	7.2	8.1
14	Mathematics	3138	7.1	10.4
15	Physics	64	8.4	10.6
16	Technical Drawing	131	8.6	7.7
	Mean (all subjects)		7.9	8.5

Note: A high numerical value represents a low grade.

Table S60: Subject Pairs Analysis for Ordinary Level History LCE 2001

	Subject	Number of candidates	Mean grade in History	Mean grade in comparison subject
1	Accounting	182	6.1	8.7
2	Art	465	8.4	7.6
3	Biology	1008	6.6	9.5
4	Business Organisation	1221	6.8	6.4
5	Chemistry	70	5.5	8.7
6	Construction Studies	452	7.6	7.1
7	English	3115	6.9	7.7
8	French	1274	6.1	8.9
9	Geography	1271	7.5	6.6
10	German	358	6.3	8.0
11	Home Economics (S&S)	646	8.0	8.0
12	History	4122	6.3	-
13	Irish	2349	5.7	8.1
14	Mathematics	2768	5.4	9.7
15	Physics	218	5.4	9.4
16	Technical Drawing	356	7.2	7.7
	Mean (all subjects)		6.6	8.1

Note: A high numerical value represents a low grade.

Table S61: Subject Pairs Analysis for Ordinary Level Irish LCE 2001

	Subject	Number of candidates	Mean grade in Irish	Mean grade in comparison subject
1	Accounting	1630	7.1	6.6
2	Art	1177	8.6	6.9
3	Biology	6254	7.4	8.3
4	Business Organisation	4833	8.0	5.8
5	Chemistry	643	6.9	7.0
6	Construction Studies	951	9.1	6.6
7	English	13583	7.8	6.8
8	French	12312	6.9	7.8
9	Geography	3927	8.5	6.0
10	German	2537	7.2	7.0
11	Home Economics (S&S)	3105	8.1	7.2
12	History	2349	8.1	5.7
13	Irish	28731	6.6	-
14	Mathematics	23248	6.7	7.6
15	Physics	1755	7.4	7.2
16	Technical Drawing	1834	8.3	6.0
	Mean (all subjects)		7.7	6.8

Note: A high numerical value represents a low grade.

Table S62: Subject Pairs Analysis for Ordinary Level Mathematics LCE 2001

	Subject	Number of candidates	Mean grade in Mathematics	Mean grade in comparison subject
1	Accounting	2040	7.5	6.5
2	Art	1344	10.6	6.8
3	Biology	7549	9.1	8.0
4	Business Organisation	5399	9.9	5.6
5	Chemistry	915	6.9	6.8
6	Construction Studies	1213	10.7	6.3
7	English	15490	9.0	6.8
8	French	14009	8.0	7.7
9	Geography	4377	10.4	5.8
10	German	2781	8.2	6.8
11	Home Economics (S&S)	3138	10.4	7.1
12	History	2768	9.7	5.4
13	Irish	23248	7.6	6.7
14	Mathematics	37537	7.0	-
15	Physics	2190	7.0	7.3
16	Technical Drawing	2422	9.0	5.9
	Mean (all subjects)		8.9	6.6

Note: A high numerical value represents a low grade.

Table S63: Subject Pairs Analysis for Ordinary Level Physics LCE 2001

	Subject	Number of candidates	Mean grade in Physics	Mean grade in comparison subject
1	Accounting	141	7.5	6.6
2	Art	95	10.3	7.3
3	Biology	176	8.5	7.9
4	Business Organisation	265	9.3	5.7
5	Chemistry	133	7.2	7.4
6	Construction Studies	148	10.6	6.7
7	English	1361	8.5	7.3
8	French	867	7.4	8.0
9	Geography	302	10.0	6.1
10	German	230	7.9	7.0
11	Home Economics (S&S)	64	10.6	8.4
12	History	218	9.4	5.4
13	Irish	1755	7.2	7.4
14	Mathematics	2190	7.3	7.0
15	Physics	2711	7.2	-
16	Technical Drawing	360	8.6	5.2
	Mean (all subjects)		8.7	6.9

Note: A high numerical value represents a low grade.

Table S64: Subject Pairs Analysis for Ordinary Level Technical Drawing LCE 2001

	Subject	Number of candidates	Mean grade in Technical Drawing	Mean grade in comparison subject
1	Accounting	70	6.7	7.9
2	Art	253	7.5	7.7
3	Biology	481	7.5	9.5
4	Business Organisation	430	7.3	7.0
5	Chemistry	61	7.2	9.2
6	Construction Studies	685	8.4	6.4
7	English	2589	6.9	8.3
8	French	803	6.1	9.0
9	Geography	760	7.5	6.5
10	German	177	6.3	8.1
11	Home Economics (S&S)	131	7.7	8.6
12	History	356	7.7	7.2
13	Irish	1834	6.0	8.3
14	Mathematics	2422	5.9	9.0
15	Physics	360	5.2	8.6
16	Technical Drawing	3158	6.5	-
	Mean (all subjects)		6.9	8.1

Note: A high numerical value represents a low grade.

Table S65: Subject Pairs Analysis for Higher Level Accounting LCE 2001,
Male Students

	Subject	Number of candidates	Mean grade in Accounting	Mean grade in comparison subject		
1	Accounting	2201	6.0			
2	Art	50	6.8	5.9		
3	Biology	362	5.9	5.6		
4	Business Organisation	840	6.2	4.9		
5	Chemistry	324	4.3	5.4		
6	Construction Studies	168	6.8	4.4		
7	English	1813	5.7	6.1		
8	French	1069	5.3	6.7		
9	Geography	879	6.5	5.9		
10	German	365	5.2	6.4		
11	Home Economics (S&S)	95	6.1	6.7		
12	History	349	6.0	5.5		
13	Irish	977	5.2	6.1		
14	Mathematics	1209	4.6	5.0		
15	Physics	630	4.7	6.1		
16	Technical Drawing	193	5.3	4.2		
	Mean (all subjects)		5.6	5.7	5.5	5.8

Note: A high numerical value represents a low grade.

Table S66: Subject Pairs Analysis for Higher Level Art LCE 2001,
Male Students

	Subject	Number of candidates	Mean grade in Art	Mean grade in comparison subject		
1	Accounting	50	5.9	6.8		
2	Art	2124	7.2			
3	Biology	337	6.0	7.3		
4	Business Organisation	408	7.0	7.7		
5	Chemistry	91	5.3	7.4		
6	Construction Studies	416	7.6	5.8		
7	English	1266	6.3	6.9		
8	French	437	5.7	7.6		
9	Geography	861	7.0	7.8		
10	German	172	5.6	7.1		
11	Home Economics (S&S)	123	7.0	8.3		
12	History	341	6.6	7.4		
13	Irish	362	5.5	7.1		
14	Mathematics	271	5.2	6.1		
15	Physics	223	5.6	8.1		
16	Technical Drawing	232	6.4	6.1		
	Mean (all subjects)		6.2	7.2	6.4	7.2

Note: A high numerical value represents a low grade.

Table S67: Subject Pairs Analysis for Higher Level Biology LCE 2001,
Male Students

	Subject	Number of candidates	Mean grade in Biology	Mean grade in comparison subject		
1	Accounting	362	5.6	5.9		
2	Art	337	7.3	6.0		
3	Biology	3820	6.9			
4	Business Organisation	1376	7.5	6.4		
5	Chemistry	660	4.3	5.8		
6	Construction Studies	413	8.0	4.8		
7	English	3077	6.6	6.3		
8	French	1536	6.0	6.9		
9	Geography	1926	7.3	6.3		
10	German	577	6.0	6.6		
11	Home Economics (S&S)	435	7.0	7.3		
12	History	725	7.2	6.3		
13	Irish	1340	5.8	6.4		
14	Mathematics	1220	4.7	5.5		
15	Physics	540	4.6	6.1		
16	Technical Drawing	269	6.7	5.8		
	Mean (all subjects)		6.3	6.2	6.4	6.3

Note: A high numerical value represents a low grade.

Table S68: Subject Pairs Analysis for Higher Level Business Organisation LCE 2001,
Male Students

	Subject	Number of candidates	Mean grade in Business Organisation	Mean grade in comparison subject		
1	Accounting	840	4.9	6.2		
2	Art	408	7.7	7.0		
3	Biology	1376	6.4	7.5		
4	Business Organisation	6517	7.1			
5	Chemistry	312	5.0	6.6		
6	Construction Studies	951	8.2	5.3		
7	English	4567	6.6	6.8		
8	French	1964	5.8	7.5		
9	Geography	3664	7.3	6.9		
10	German	742	5.8	7.1		
11	Home Economics (S&S)	622	7.4	8.1		
12	History	1197	6.6	6.6		
13	Irish	1696	5.6	6.8		
14	Mathematics	1356	4.8	6.1		
15	Physics	742	5.4	7.5		
16	Technical Drawing	394	7.0	6.3		
	Mean (all subjects)		6.3	6.8	6.4	6.9

Note: A high numerical value represents a low grade.

Table S69: Subject Pairs Analysis for Higher Level Chemistry LCE 2001,
Male Students

	Subject	Number of candidates	Mean grade in Chemistry	Mean grade in comparison subject		
1	Accounting	324	5.4	4.3		
2	Art	91	7.4	5.3		
3	Biology	660	5.8	4.3		
4	Business Organisation	312	6.6	5.0		
5	Chemistry	2003	6.1			
6	Construction Studies	84	7.5	3.9		
7	English	1719	6.1	5.6		
8	French	1069	5.4	5.8		
9	Geography	651	6.9	5.3		
10	German	415	6.0	5.3		
11	Home Economics (S&S)	77	5.6	5.9		
12	History	259	6.6	4.8		
13	Irish	969	5.4	5.5		
14	Mathematics	1433	5.2	4.4		
15	Physics	951	5.3	5.2		
16	Technical Drawing	233	6.4	4.0		
	Mean (all subjects)		6.1	5.0	5.8	5.1

Note: A high numerical value represents a low grade.

Table S70: Subject Pairs Analysis for Higher Level Construction Studies LCE 2001,
Male Students

	Subject	Number of candidates	Mean grade in Construction Studies	Mean grade in comparison subject		
1	Accounting	168	4.4	6.8		
2	Art	416	5.8	7.6		
3	Biology	413	4.8	8.0		
4	Business Organisation	951	5.3	8.2		
5	Chemistry	84	3.9	7.5		
6	Construction Studies	5842	5.8			
7	English	2028	4.8	7.8		
8	French	517	4.2	8.4		
9	Geography	2198	5.4	8.0		
10	German	202	4.4	7.9		
11	Home Economics (S&S)	182	5.5	9.0		
12	History	281	5.6	7.9		
13	Irish	804	4.5	7.6		
14	Mathematics	542	3.5	6.8		
15	Physics	448	3.7	8.4		
16	Technical Drawing	1115	4.3	6.7		
	Mean (all subjects)		4.7	7.8	4.8	7.7

Note: A high numerical value represents a low grade.

Table S71: Subject Pairs Analysis for Higher Level English LCE 2001, Male Students

	Subject	Number of candidates	Mean grade in English	Mean grade in comparison subject		
1	Accounting	1813	6.1	5.7		
2	Art	1266	6.9	6.3		
3	Biology	3077	6.3	6.6		
4	Business Organisation	4567	6.8	6.6		
5	Chemistry	1719	5.6	6.1		
6	Construction Studies	2028	7.8	4.8		
7	English	12520	6.8			
8	French	4813	5.8	7.1		
9	Geography	6599	6.9	6.6		
10	German	1793	6.0	6.7		
11	Home Economics (S&S)	762	7.2	8.0		
12	History	2810	6.1	6.4		
13	Irish	4388	5.7	6.5		
14	Mathematics	4200	5.7	5.5		
15	Physics	3047	6.0	6.8		
16	Technical Drawing	1758	6.9	5.3		
	Mean (all subjects)		6.4	6.3	6.3	6.4

Note: A high numerical value represents a low grade.

Table S72: Subject Pairs Analysis for Higher Level French LCE 2001, Male Students

	Subject	Number of candidates	Mean grade in French	Mean grade in comparison subject		
1	Accounting	1069	6.7	5.3		
2	Art	437	7.6	5.7		
3	Biology	1536	6.9	6.0		
4	Business Organisation	1964	7.5	5.8		
5	Chemistry	1069	5.8	5.4		
6	Construction Studies	517	8.4	4.2		
7	English	4813	7.1	5.8		
8	French	5428	7.2			
9	Geography	2732	7.6	5.8		
10	German	127	4.3	3.3		
11	Home Economics (S&S)	319	7.8	7.1		
12	History	1187	7.0	5.6		
13	Irish	2621	6.3	6.2		
14	Mathematics	2484	6.1	5.0		
15	Physics	1675	6.5	6.2		
16	Technical Drawing	732	7.4	4.6		
	Mean (all subjects)		6.9	5.5	6.9	5.7

Note: A high numerical value represents a low grade.

Table S73: Subject Pairs Analysis for Higher Level Geography LCE 2001,
Male Students

	Subject	Number of candidates	Mean grade in Geography	Mean grade in comparison subject		
1	Accounting	879	5.9	6.5		
2	Art	861	7.8	7.0		
3	Biology	1926	6.3	7.3		
4	Business Organisation	3664	6.9	7.3		
5	Chemistry	651	5.3	6.9		
6	Construction Studies	2198	8.0	5.4		
7	English	6599	6.6	6.9		
8	French	2732	5.8	7.6		
9	Geography	10278	7.2			
10	German	963	6.0	7.1		
11	Home Economics (S&S)	768	7.0	8.4		
12	History	1649	6.6	6.7		
13	Irish	2472	5.9	6.9		
14	Mathematics	1928	5.4	6.1		
15	Physics	1298	5.8	7.5		
16	Technical Drawing	946	7.0	6.3		
	Mean (all subjects)		6.4	6.9	6.5	6.9

Note: A high numerical value represents a low grade.

Table S74: Subject Pairs Analysis for Higher Level German LCE 2001, Male Students

	Subject	Number of candidates	Mean grade in German	Mean grade in comparison subject		
1	Accounting	365	6.4	5.2		
2	Art	172	7.1	5.6		
3	Biology	577	6.6	6.0		
4	Business Organisation	742	7.1	5.8		
5	Chemistry	415	5.3	6.0		
6	Construction Studies	202	7.9	4.4		
7	English	1793	6.7	6.0		
8	French	127	3.3	4.3		
9	Geography	963	7.1	6.0		
10	German	2084	6.8			
11	Home Economics (S&S)	100	7.3	7.4		
12	History	489	6.7	5.7		
13	Irish	942	5.7	6.0		
14	Mathematics	904	5.6	5.2		
15	Physics	667	6.0	6.4		
16	Technical Drawing	280	7.2	5.1		
	Mean (all subjects)		6.4	5.7	6.4	5.8

Note: A high numerical value represents a low grade.

Table S75: Subject Pairs Analysis for Higher Level Home Economics (Scientific and Social) LCE 2001, Male Students

	Subject	Number of candidates	Mean grade in Home Econ. (S&S)	Mean grade in comparison subject		
1	Accounting	95	6.7	6.1		
2	Art	123	8.3	7.0		
3	Biology	435	7.3	7.0		
4	Business Organisation	622	8.1	7.4		
5	Chemistry	77	5.9	5.6		
6	Construction Studies	182	9.0	5.5		
7	English	762	8.0	7.2		
8	French	319	7.1	7.8		
9	Geography	768	8.4	7.0		
10	German	100	7.4	7.3		
11	Home Economics (S&S)	1385	8.4			
12	History	200	8.0	6.8		
13	Irish	262	7.2	7.0		
14	Mathematics	176	6.3	5.9		
15	Physics	89	6.4	7.2		
16	Technical Drawing	52	8.2	7.0		
	Mean (all subjects)		7.5	6.8	7.8	7.0

Note: A high numerical value represents a low grade.

Table S76: Subject Pairs Analysis for Higher Level History LCE 2001, Male Students

	Subject	Number of candidates	Mean grade in History	Mean grade in comparison subject		
1	Accounting	349	5.5	6.0		
2	Art	341	7.4	6.6		
3	Biology	725	6.3	7.2		
4	Business Organisation	1197	6.6	6.6		
5	Chemistry	259	4.8	6.6		
6	Construction Studies	281	7.9	5.6		
7	English	2810	6.4	6.1		
8	French	1187	5.6	7.0		
9	Geography	1649	6.7	6.6		
10	German	489	5.7	6.7		
11	Home Economics (S&S)	200	6.8	8.0		
12	History	3462	6.7			
13	Irish	1082	5.7	6.5		
14	Mathematics	794	4.9	5.9		
15	Physics	414	5.2	7.5		
16	Technical Drawing	149	6.4	5.3		
	Mean (all subjects)		6.1	6.5	6.1	6.5

Note: A high numerical value represents a low grade.

Table S77: Subject Pairs Analysis for Higher Level Irish LCE 2001 Male Students

	Subject	Number of candidates	Mean grade in Irish	Mean grade in comparison subject		
1	Accounting	977	6.1	5.2		
2	Art	362	7.1	5.5		
3	Biology	1340	6.4	5.8		
4	Business Organisation	1696	6.8	5.6		
5	Chemistry	969	5.5	5.4		
6	Construction Studies	804	7.6	4.5		
7	English	4388	6.5	5.7		
8	French	2621	6.2	6.3		
9	Geography	2472	6.9	5.9		
10	German	942	6.0	5.7		
11	Home Economics (S&S)	262	7.0	7.2		
12	History	1082	6.5	5.7		
13	Irish	5165	6.7			
14	Mathematics	2265	5.8	5.1		
15	Physics	1527	5.9	6.1		
16	Technical Drawing	755	6.8	4.7		
	Mean (all subjects)		6.5	5.6	6.4	5.7

Note: A high numerical value represents a low grade.

Table S78: Subject Pairs Analysis for Higher Level Mathematics LCE 2001,
Male Students

	Subject	Number of candidates	Mean grade in Mathematics	Mean grade in comparison subject		
1	Accounting	1209	5.0	4.6		
2	Art	271	6.1	5.2		
3	Biology	1220	5.5	4.7		
4	Business Organisation	1356	6.1	4.8		
5	Chemistry	1433	4.4	5.2		
6	Construction Studies	542	6.8	3.5		
7	English	4200	5.5	5.7		
8	French	2484	5.0	6.1		
9	Geography	1928	6.1	5.4		
10	German	904	5.2	5.6		
11	Home Economics (S&S)	176	5.9	6.3		
12	History	794	5.9	4.9		
13	Irish	2265	5.1	5.8		
14	Mathematics	4951	5.6			
15	Physics	2665	5.0	6.0		
16	Technical Drawing	1195	5.8	4.1		
	Mean (all subjects)		5.5	5.2	5.4	5.4

Note: A high numerical value represents a low grade.

Table S79: Subject Pairs Analysis for Higher Level Physics LCE 2001, Male Students

	Subject	Number of candidates	Mean grade in Physics	Mean grade in comparison subject		
1	Accounting	630	6.1	4.7		
2	Art	223	8.1	5.6		
3	Biology	540	6.1	4.6		
4	Business Organisation	742	7.5	5.4		
5	Chemistry	951	5.2	5.3		
6	Construction Studies	448	8.4	3.7		
7	English	3047	6.8	6.0		
8	French	1675	6.2	6.5		
9	Geography	1298	7.5	5.8		
10	German	667	6.4	6.0		
11	Home Economics (S&S)	89	7.2	6.4		
12	History	414	7.5	5.2		
13	Irish	1527	6.1	5.9		
14	Mathematics	2665	6.0	5.0		
15	Physics	3635	7.0			
16	Technical Drawing	986	7.2	4.2		
	Mean (all subjects)		6.8	5.3	6.6	5.5

Note: A high numerical value represents a low grade.

Table S80: Subject Pairs Analysis for Higher Level Technical Drawing LCE 2001,
Male Students

	Subject	Number of candidates	Mean grade in Technical Drawing	Mean grade in comparison subject		
1	Accounting	193	4.2	5.3		
2	Art	232	6.1	6.4		
3	Biology	269	5.8	6.7		
4	Business Organisation	394	6.3	7.0		
5	Chemistry	233	4.0	6.4		
6	Construction Studies	1115	6.7	4.3		
7	English	1758	5.3	6.9		
8	French	732	4.6	7.4		
9	Geography	946	6.3	7.0		
10	German	280	5.1	7.2		
11	Home Economics (S&S)	52	7.0	8.2		
12	History	149	5.3	6.4		
13	Irish	755	4.7	6.8		
14	Mathematics	1195	4.1	5.8		
15	Physics	986	4.2	7.2		
16	Technical Drawing	2845	6.0			
	Mean (all subjects)		5.3	6.6	5.2	6.5

Note: A high numerical value represents a low grade.

Table S81: Subject Pairs Analysis for Higher Level Accounting LCE 2001,
Female Students

	Subject	Number of candidates	Mean grade in Accounting	Mean grade in comparison subject		
1	Accounting	2449	5.7			
2	Art	105	6.7	5.6		
3	Biology	975	5.6	5.4		
4	Business Organisation	773	5.9	4.3		
5	Chemistry	436	3.9	4.8		
6	Construction Studies	8	8.5	4.6		
7	English	2110	5.5	5.7		
8	French	1453	5.1	6.0		
9	Geography	675	6.3	5.6		
10	German	464	5.1	5.0		
11	Home Economics (S&S)	752	6.5	5.6		
12	History	226	5.5	5.5		
13	Irish	1546	5.0	5.4		
14	Mathematics	1189	4.2	4.9		
15	Physics	317	3.9	5.7		
16	Technical Drawing	26	5.6	5.3		
	Mean (all subjects)		5.5	5.3	5.3	5.4

Note: A high numerical value represents a low grade.

Table S82: Subject Pairs Analysis for Higher Level Art LCE 2001, Female Students

	Subject	Number of candidates	Mean grade in Art	Mean grade in comparison subject		
1	Accounting	105	5.6	6.7		
2	Art	3938	6.4			
3	Biology	1229	5.6	6.9		
4	Business Organisation	806	6.1	6.9		
5	Chemistry	197	4.7	7.0		
6	Construction Studies	49	6.9	5.5		
7	English	2790	5.8	6.3		
8	French	1384	5.2	6.8		
9	Geography	1330	6.2	7.0		
10	German	459	5.6	6.2		
11	Home Economics (S&S)	1345	6.6	7.5		
12	History	471	5.6	7.0		
13	Irish	1212	5.3	6.3		
14	Mathematics	513	4.7	5.8		
15	Physics	191	4.8	6.8		
16	Technical Drawing	60	5.3	6.5		
	Mean (all subjects)		5.6	6.6	5.7	6.7

Note: A high numerical value represents a low grade.

Table S83: Subject Pairs Analysis for Higher Level Biology LCE 2001,
Female Students

	Subject	Number of candidates	Mean grade in Biology	Mean grade in comparison subject		
1	Accounting	975	5.4	5.6		
2	Art	1229	6.9	5.6		
3	Biology	9386	6.6			
4	Business Organisation	2918	7.3	5.8		
5	Chemistry	1573	4.0	5.7		
6	Construction Studies	65	7.6	5.0		
7	English	8058	6.3	5.8		
8	French	5200	5.8	6.3		
9	Geography	3709	6.9	5.9		
10	German	1663	5.9	5.5		
11	Home Economics (S&S)	4473	7.1	5.8		
12	History	1267	6.3	6.0		
13	Irish	5151	5.7	5.7		
14	Mathematics	2340	4.2	5.4		
15	Physics	490	3.9	5.9		
16	Technical Drawing	57	5.8	6.0		
	Mean (all subjects)		6.0	5.7	6.1	5.8

Note: A high numerical value represents a low grade.

Table S84: Subject Pairs Analysis for Higher Level Business Organisation LCE 2001,
Female Students

	Subject	Number of candidates	Mean grade in Business Organisation	Mean grade in comparison subject		
1	Accounting	773	4.3	5.9		
2	Art	806	6.9	6.1		
3	Biology	2918	5.8	7.3		
4	Business Organisation	8455	6.7			
5	Chemistry	379	4.3	6.4		
6	Construction Studies	61	7.6	5.0		
7	English	6466	6.2	6.4		
8	French	3539	5.4	6.8		
9	Geography	3232	6.8	6.7		
10	German	1236	5.5	6.2		
11	Home Economics (S&S)	4131	7.0	6.8		
12	History	1013	5.8	6.6		
13	Irish	3487	5.4	6.2		
14	Mathematics	1220	4.1	5.9		
15	Physics	275	4.5	7.3		
16	Technical Drawing	32	6.5	7.0		
	Mean (all subjects)		5.7	6.4	6.0	6.6

Note: A high numerical value represents a low grade.

Table S85: Subject Pairs Analysis for Higher Level Chemistry LCE 2001,
Female Students

	Subject	Number of candidates	Mean grade in Chemistry	Mean grade in comparison subject		
1	Accounting	436	4.8	3.9		
2	Art	197	7.0	4.7		
3	Biology	1573	5.7	4.0		
4	Business Organisation	379	6.4	4.3		
5	Chemistry	2596	5.6			
6	Construction Studies	13	5.8	3.7		
7	English	2415	5.6	4.7		
8	French	1735	5.4	4.8		
9	Geography	638	6.2	4.7		
10	German	639	5.4	4.0		
11	Home Economics (S&S)	527	6.1	4.1		
12	History	331	6.1	4.7		
13	Irish	1831	5.2	4.6		
14	Mathematics	1626	4.6	4.4		
15	Physics	642	4.4	4.9		
16	Technical Drawing	39	6.2	4.6		
	Mean (all subjects)		5.7	4.4	5.4	4.5

Note: A high numerical value represents a low grade.

Table S86: Subject Pairs Analysis for Higher Level Construction Studies LCE 2001,
Female Students

	Subject	Number of candidates	Mean grade in Construction Studies	Mean grade in comparison subject		
1	Accounting	8	4.6	8.5		
2	Art	49	5.5	6.9		
3	Biology	65	5.0	7.6		
4	Business Organisation	61	5.0	7.6		
5	Chemistry	13	3.7	5.8		
6	Construction Studies	315	5.6			
7	English	175	4.7	7.1		
8	French	57	3.9	7.8		
9	Geography	100	5.4	7.8		
10	German	29	4.3	7.1		
11	Home Economics (S&S)	91	5.7	8.1		
12	History	7	3.7	8.0		
13	Irish	86	4.6	7.4		
14	Mathematics	49	3.6	6.6		
15	Physics	19	3.4	8.2		
16	Technical Drawing	26	4.4	6.6		
	Mean (all subjects)		4.5	7.4	4.8	7.4

Note: A high numerical value represents a low grade.

Table S87: Subject Pairs Analysis for Higher Level English LCE 2001,
Female Students

	Subject	Number of candidates	Mean grade in English	Mean grade in comparison subject		
1	Accounting	2110	5.7	5.5		
2	Art	2790	6.3	5.8		
3	Biology	8058	5.8	6.3		
4	Business Organisation	6466	6.4	6.2		
5	Chemistry	2415	4.7	5.6		
6	Construction Studies	175	7.1	4.7		
7	English	17140	6.3			
8	French	8662	5.5	6.3		
9	Geography	7364	6.4	6.2		
10	German	3075	5.4	5.6		
11	Home Economics (S&S)	7849	6.7	6.4		
12	History	2813	5.3	6.3		
13	Irish	8804	5.3	5.8		
14	Mathematics	3938	4.9	5.3		
15	Physics	1379	4.7	6.1		
16	Technical Drawing	190	6.3	5.7		
	Mean (all subjects)		5.8	5.9	5.8	6.1

Note: A high numerical value represents a low grade.

Table S88: Subject Pairs Analysis for Higher Level French LCE 2001, Female Students

	Subject	Number of candidates	Mean grade in French	Mean grade in comparison subject		
1	Accounting	1453	6.0	5.1		
2	Art	1384	6.8	5.2		
3	Biology	5200	6.3	5.8		
4	Business Organisation	3539	6.8	5.4		
5	Chemistry	1735	4.8	5.4		
6	Construction Studies	57	7.8	3.9		
7	English	8662	6.3	5.5		
8	French	9526	6.5			
9	Geography	3932	6.9	5.6		
10	German	630	4.4	4.0		
11	Home Economics (S&S)	4094	7.2	5.6		
12	History	1677	5.9	5.6		
13	Irish	6056	5.7	5.5		
14	Mathematics	2860	4.9	5.1		
15	Physics	993	4.6	5.8		
16	Technical Drawing	110	6.4	5.0		
	Mean (all subjects)		6.1	5.2	6.2	5.5

Note: A high numerical value represents a low grade.

Table S89: Subject Pairs Analysis for Higher Level Geography LCE 2001,
Female Students

	Subject	Number of candidates	Mean grade in Geography	Mean grade in comparison subject		
1	Accounting	675	5.6	6.3		
2	Art	1330	7.0	6.2		
3	Biology	3709	5.9	6.9		
4	Business Organisation	3232	6.7	6.8		
5	Chemistry	638	4.7	6.2		
6	Construction Studies	100	7.8	5.4		
7	English	7364	6.2	6.4		
8	French	3932	5.6	6.9		
9	Geography	9894	6.8			
10	German	1454	5.8	6.2		
11	Home Economics (S&S)	4473	7.1	7.2		
12	History	777	5.9	6.3		
13	Irish	4068	5.6	6.2		
14	Mathematics	1359	4.8	5.9		
15	Physics	350	4.9	7.0		
16	Technical Drawing	59	6.3	6.2		
	Mean (all subjects)		6.0	6.4	6.1	6.6

Note: A high numerical value represents a low grade.

Table S90: Subject Pairs Analysis for Higher Level German LCE 2001,
Female Students

	Subject	Number of candidates	Mean grade in German	Mean grade in comparison subject		
1	Accounting	464	5.0	5.1		
2	Art	459	6.2	5.6		
3	Biology	1663	5.5	5.9		
4	Business Organisation	1236	6.2	5.5		
5	Chemistry	639	4.0	5.4		
6	Construction Studies	29	7.1	4.3		
7	English	3075	5.6	5.4		
8	French	630	4.0	4.4		
9	Geography	1454	6.2	5.8		
10	German	3418	5.8			
11	Home Economics (S&S)	1244	6.6	5.7		
12	History	616	5.0	5.6		
13	Irish	2180	5.0	5.4		
14	Mathematics	994	3.9	5.2		
15	Physics	353	3.9	6.0		
16	Technical Drawing	31	5.1	5.4		
	Mean (all subjects)		5.3	5.4	5.4	5.5

Note: A high numerical value represents a low grade.

Table S91: Subject Pairs Analysis for Higher Level Home Economics (Scientific and Social) LCE 2001, Female Students

	Subject	Number of candidates	Mean grade in Home Econ. (S&S)	Mean grade in comparison subject		
1	Accounting	752	5.6	6.5		
2	Art	1345	7.5	6.6		
3	Biology	4473	5.8	7.1		
4	Business Organisation	4131	6.8	7.0		
5	Chemistry	527	4.1	6.1		
6	Construction Studies	91	8.1	5.7		
7	English	7849	6.4	6.7		
8	French	4094	5.6	7.2		
9	Geography	4473	7.2	7.1		
10	German	1244	5.7	6.6		
11	Home Economics (S&S)	11340	7.1			
12	History	941	6.2	6.9		
13	Irish	4116	5.6	6.4		
14	Mathematics	1116	4.3	5.9		
15	Physics	205	4.7	7.2		
16	Technical Drawing	42	6.6	6.4		
	Mean (all subjects)		6.0	6.6	6.2	6.8

Note: A high numerical value represents a low grade.

Table S92: Subject Pairs Analysis for Higher Level History LCE 2001,
Female Students

	Subject	Number of candidates	Mean grade in History	Mean grade in comparison subject		
1	Accounting	226	5.5	5.5		
2	Art	471	7.0	5.6		
3	Biology	1267	6.0	6.3		
4	Business Organisation	1013	6.6	5.8		
5	Chemistry	331	4.7	6.1		
6	Construction Studies	7	8.0	3.7		
7	English	2813	6.3	5.3		
8	French	1677	5.6	5.9		
9	Geography	777	6.3	5.9		
10	German	616	5.6	5.0		
11	Home Economics (S&S)	941	6.9	6.2		
12	History	3142	6.5			
13	Irish	1699	5.7	5.6		
14	Mathematics	634	4.6	5.7		
15	Physics	154	4.7	6.8		
16	Technical Drawing	11	6.5	5.6		
	Mean (all subjects)		6.0	5.7	6.0	5.7

Note: A high numerical value represents a low grade.

Table S93:Subject Pairs Analysis for Higher Level Irish LCE 2001, Female Students

	Subject	Number of candidates	Mean grade in Irish	Mean grade in comparison subject		
1	Accounting	1546	5.4	5.0		
2	Art	1212	6.3	5.3		
3	Biology	5151	5.7	5.7		
4	Business Organisation	3487	6.2	5.4		
5	Chemistry	1831	4.6	5.2		
6	Construction Studies	86	7.4	4.6		
7	English	8804	5.8	5.3		
8	French	6056	5.5	5.7		
9	Geography	4068	6.2	5.6		
10	German	2180	5.4	5.0		
11	Home Economics (S&S)	4116	6.4	5.6		
12	History	1699	5.6	5.7		
13	Irish	9725	6.0			
14	Mathematics	2856	4.6	5.0		
15	Physics	1027	4.5	5.8		
16	Technical Drawing	109	5.9	5.1		
	Mean (all subjects)		5.7	5.3	5.7	5.5

Note: A high numerical value represents a low grade.

Table S94: Subject Pairs Analysis for Higher Level Mathematics LCE 2001,
Female Students

	Subject	Number of candidates	Mean grade in Mathematics	Mean grade in comparison subject		
1	Accounting	1189	4.9	4.2		
2	Art	513	5.8	4.7		
3	Biology	2340	5.4	4.2		
4	Business Organisation	1220	5.9	4.1		
5	Chemistry	1626	4.4	4.6		
6	Construction Studies	49	6.6	3.6		
7	English	3938	5.3	4.9		
8	French	2860	5.1	4.9		
9	Geography	1359	5.9	4.8		
10	German	994	5.2	3.9		
11	Home Economics (S&S)	1116	5.9	4.3		
12	History	634	5.7	4.6		
13	Irish	2856	5.0	4.6		
14	Mathematics	4272	5.3			
15	Physics	1179	4.1	5.5		
16	Technical Drawing	116	5.6	4.9		
	Mean (all subjects)		5.4	4.5	5.2	4.6

Note: A high numerical value represents a low grade.

Table S95: Subject Pairs Analysis for Higher Level Physics LCE 2001,
Female Students

	Subject	Number of candidates	Mean grade in Physics	Mean grade in comparison subject		
1	Accounting	317	5.7	3.9		
2	Art	191	6.8	4.8		
3	Biology	490	5.9	3.9		
4	Business Organisation	275	7.3	4.5		
5	Chemistry	642	4.9	4.4		
6	Construction Studies	19	8.2	3.4		
7	English	1379	6.1	4.7		
8	French	993	5.8	4.6		
9	Geography	350	7.0	4.9		
10	German	353	6.0	3.9		
11	Home Economics (S&S)	205	7.2	4.7		
12	History	154	6.8	4.7		
13	Irish	1027	5.8	4.5		
14	Mathematics	1179	5.5	4.1		
15	Physics	1509	6.2			
16	Technical Drawing	71	7.1	4.9		
	Mean (all subjects)		6.4	4.4	5.9	4.4

Note: A high numerical value represents a low grade.

Table S96: Subject Pairs Analysis for Higher Level Technical Drawing LCE 2001,
Female Students

	Subject	Number of candidates	Mean grade in Technical Drawing	Mean grade in comparison subject		
1	Accounting	26	5.3	5.6		
2	Art	60	6.5	5.3		
3	Biology	57	6.0	5.8		
4	Business Organisation	32	7.0	6.5		
5	Chemistry	39	4.6	6.2		
6	Construction Studies	26	6.6	4.4		
7	English	190	5.7	6.3		
8	French	110	5.0	6.4		
9	Geography	59	6.2	6.3		
10	German	31	5.4	5.1		
11	Home Economics (S&S)	42	6.4	6.6		
12	History	11	5.6	6.5		
13	Irish	109	5.1	5.9		
14	Mathematics	116	4.9	5.6		
15	Physics	71	4.9	7.1		
16	Technical Drawing	230	6.1			
	Mean (all subjects)		5.7	6.0	5.5	6.1

Note: A high numerical value represents a low grade.

Table S97: Subject Pairs Analysis for Ordinary Level Accounting LCE 2001,
Male Students

	Subject	Number of candidates	Mean grade in Accounting	Mean grade in comparison subject		
1	Accounting	1026	7.1			
2	Art	34	9.6	7.3		
3	Biology	127	8.1	8.4		
4	Business Organisation	177	9.0	5.7		
5	Chemistry	32	6.8	7.4		
6	Construction Studies	48	9.6	7.3		
7	English	590	7.9	7.5		
8	French	362	7.1	8.4		
9	Geography	162	9.2	6.4		
10	German	86	7.2	7.3		
11	Home Economics (S&S)	38	9.5	8.5		
12	History	119	8.8	5.8		
13	Irish	677	7.0	7.7		
14	Mathematics	874	6.9	7.5		
15	Physics	118	6.5	7.6		
16	Technical Drawing	62	8.0	6.6		
	Mean (all subjects)		8.1	7.3	7.5	7.4

Note: A high numerical value represents a low grade.

Table S98: Subject Pairs Analysis for Ordinary Level Art LCE 2001, Male Students

	Subject	Number of candidates	Mean grade in Art	Mean grade in comparison subject		
1	Accounting	34	7.3	9.6		
2	Art	1215	7.7			
3	Biology	237	7.5	10.1		
4	Business Organisation	294	7.8	7.7		
5	Chemistry	17	7.6	10.6		
6	Construction Studies	297	8.2	7.3		
7	English	1111	7.8	8.8		
8	French	222	7.2	9.9		
9	Geography	572	7.9	7.2		
10	German	71	7.4	9.2		
11	Home Economics (S&S)	168	8.0	9.4		
12	History	261	7.8	8.1		
13	Irish	487	7.1	9.2		
14	Mathematics	656	7.2	10.6		
15	Physics	78	7.4	10.2		
16	Technical Drawing	243	7.7	7.4		
	Mean (all subjects)		7.6	9.0	7.6	8.8

Note: A high numerical value represents a low grade.

Table S99: Subject Pairs Analysis for Ordinary Level Biology LCE 2001,
Male Students

	Subject	Number of candidates	Mean grade in Biology	Mean grade in comparison subject		
1	Accounting	127	8.4	8.1		
2	Art	237	10.1	7.5		
3	Biology	3375	8.9			
4	Business Organisation	823	9.9	6.4		
5	Chemistry	78	7.9	8.9		
6	Construction Studies	379	10.4	7.1		
7	English	2409	9.5	7.8		
8	French	1264	8.8	8.8		
9	Geography	908	10.3	6.4		
10	German	282	8.7	7.7		
11	Home Economics (S&S)	304	9.9	8.3		
12	History	582	9.8	6.3		
13	Irish	2093	8.6	8.1		
14	Mathematics	2683	8.5	9.2		
15	Physics	134	8.0	8.4		
16	Technical Drawing	449	9.5	7.5		
	Mean (all subjects)		9.2	7.8	9.1	8.0

Note: A high numerical value represents a low grade.

Table S100: Subject Pairs Analysis for Ordinary Level Business Organisation
LCE 2001, Male Students

	Subject	Number of candidates	Mean grade in Business Organisation	Mean grade in comparison subject		
1	Accounting	177	5.7	9.0		
2	Art	294	7.7	7.8		
3	Biology	823	6.4	9.9		
4	Business Organisation	3500	6.4			
5	Chemistry	77	6.7	9.4		
6	Construction Studies	555	7.5	6.9		
7	English	2984	6.7	8.2		
8	French	1126	6.1	9.3		
9	Geography	1460	7.2	6.6		
10	German	277	5.9	8.6		
11	Home Economics (S&S)	311	7.0	8.7		
12	History	798	6.3	6.4		
13	Irish	2078	5.9	8.6		
14	Mathematics	2548	5.8	9.8		
15	Physics	227	5.8	9.3		
16	Technical Drawing	400	7.0	7.2		
	Mean (all subjects)		6.5	8.4	6.4	8.4

Note: A high numerical value represents a low grade.

Table S101: Subject Pairs Analysis for Ordinary Level Chemistry LCE 2001,
Male Students

	Subject	Number of candidates	Mean grade in Chemistry	Mean grade in comparison subject		
1	Accounting	32	7.4	6.8		
2	Art	17	10.6	7.6		
3	Biology	78	8.9	7.9		
4	Business Organisation	77	9.4	6.7		
5	Chemistry	629	7.2			
6	Construction Studies	28	9.3	6.9		
7	English	291	8.5	7.5		
8	French	230	7.8	7.9		
9	Geography	61	9.1	5.1		
10	German	60	8.2	7.6		
11	Home Economics (S&S)	11	9.8	8.0		
12	History	56	9.0	5.0		
13	Irish	393	7.4	7.6		
14	Mathematics	510	7.4	7.3		
15	Physics	98	7.6	7.3		
16	Technical Drawing	60	9.2	7.4		
	Mean (all subjects)		8.6	7.1	8.0	7.3

Note: A high numerical value represents a low grade.

Table S102: Subject Pairs Analysis for Ordinary Level Construction Studies LCE 2001,
Male Students

	Subject	Number of candidates	Mean grade in Construction Studies	Mean grade in comparison subject		
1	Accounting	48	7.3	9.6		
2	Art	297	7.3	8.2		
3	Biology	379	7.1	10.4		
4	Business Organisation	555	6.9	7.5		
5	Chemistry	28	6.9	9.3		
6	Construction Studies	1996	6.8			
7	English	1886	6.8	9.1		
8	French	407	6.9	10.0		
9	Geography	886	7.0	7.2		
10	German	96	6.9	9.2		
11	Home Economics (S&S)	172	7.1	9.7		
12	History	424	7.1	7.5		
13	Irish	844	6.5	9.2		
14	Mathematics	1099	6.3	10.7		
15	Physics	133	6.5	10.5		
16	Technical Drawing	672	6.4	8.3		
	Mean (all subjects)		6.9	9.1	6.8	9.0

Note: A high numerical value represents a low grade.

Table S103: Subject Pairs Analysis for Ordinary Level English LCE 2001,
Male Students

	Subject	Number of candidates	Mean grade in English	Mean grade in comparison subject		
1	Accounting	590	7.5	7.9		
2	Art	1111	8.8	7.8		
3	Biology	2409	7.8	9.5		
4	Business Organisation	2984	8.2	6.7		
5	Chemistry	291	7.5	8.5		
6	Construction Studies	1886	9.1	6.8		
7	English	11684	7.6			
8	French	3845	7.2	9.1		
9	Geography	3710	8.5	6.6		
10	German	886	7.1	8.2		
11	Home Economics (S&S)	926	8.5	8.8		
12	History	2147	8.0	6.5		
13	Irish	7068	7.1	8.3		
14	Mathematics	8593	7.3	8.9		
15	Physics	1232	7.4	8.4		
16	Technical Drawing	2495	8.3	6.9		
	Mean (all subjects)		7.9	7.9	7.7	8.0

Note: A high numerical value represents a low grade.

Table S104: Subject Pairs Analysis for Ordinary Level French LCE 2001,
Male Students

	Subject	Number of candidates	Mean grade in French	Mean grade in comparison subject		
1	Accounting	362	8.4	7.1		
2	Art	222	9.9	7.2		
3	Biology	1264	8.8	8.8		
4	Business Organisation	1126	9.3	6.1		
5	Chemistry	230	7.9	7.8		
6	Construction Studies	407	10.0	6.9		
7	English	3845	9.1	7.2		
8	French	7538	8.0			
9	Geography	1085	9.7	6.3		
10	German	2	10.0	7.0		
11	Home Economics (S&S)	314	9.8	8.3		
12	History	723	9.2	5.7		
13	Irish	5281	8.0	7.4		
14	Mathematics	5975	8.1	7.7		
15	Physics	758	8.1	7.4		
16	Technical Drawing	755	9.0	6.0		
	Mean (all subjects)		9.0	7.1	8.6	7.3

Note: A high numerical value represents a low grade.

Table S105: Subject Pairs Analysis for Ordinary Level Geography LCE 2001,
Male Students

	Subject	Number of candidates	Mean grade in Geography	Mean grade in comparison subject		
1	Accounting	162	6.4	9.2		
2	Art	572	7.2	7.9		
3	Biology	908	6.4	10.3		
4	Business Organisation	1460	6.6	7.2		
5	Chemistry	61	5.1	9.1		
6	Construction Studies	886	7.2	7.0		
7	English	3710	6.6	8.5		
8	French	1085	6.3	9.7		
9	Geography	3993	6.5			
10	German	272	5.7	9.0		
11	Home Economics (S&S)	425	6.7	9.1		
12	History	1000	6.6	7.2		
13	Irish	2047	6.0	9.0		
14	Mathematics	2549	5.9	10.4		
15	Physics	273	6.1	9.9		
16	Technical Drawing	738	6.4	7.4		
	Mean (all subjects)		6.3	8.7	6.4	8.7

Note: A high numerical value represents a low grade.

Table S106: Subject Pairs Analysis for Ordinary Level German LCE 2001,
Male Students

	Subject	Number of candidates	Mean grade in German	Mean grade in comparison subject		
1	Accounting	86	7.3	7.2		
2	Art	71	9.2	7.4		
3	Biology	282	7.7	8.7		
4	Business Organisation	277	8.6	5.9		
5	Chemistry	60	7.6	8.2		
6	Construction Studies	96	9.2	6.9		
7	English	886	8.2	7.1		
8	French	2	7.0	10.0		
9	Geography	272	9.0	5.7		
10	German	1725	7.1			
11	Home Economics (S&S)	56	8.6	8.1		
12	History	215	8.3	5.5		
13	Irish	1278	7.2	7.5		
14	Mathematics	1371	7.3	7.9		
15	Physics	203	7.1	7.8		
16	Technical Drawing	160	8.1	6.1		
	Mean (all subjects)		8.0	7.3	7.7	7.3

Note: A high numerical value represents a low grade.

Table S107: Subject Pairs Analysis for Ordinary Level Home Economics (Scientific and Social) LCE 2001, Male Students

	Subject	Number of candidates	Mean grade in Home Econ. (S&S)	Mean grade in comparison subject		
1	Accounting	38	8.5	9.5		
2	Art	168	9.4	8.0		
3	Biology	304	8.3	9.9		
4	Business Organisation	311	8.7	7.0		
5	Chemistry	11	8.0	9.8		
6	Construction Studies	172	9.7	7.1		
7	English	926	8.8	8.5		
8	French	314	8.3	9.8		
9	Geography	425	9.1	6.7		
10	German	56	8.1	8.6		
11	Home Economics (S&S)	1049	8.5			
12	History	185	8.6	6.9		
13	Irish	503	8.0	8.8		
14	Mathematics	670	7.9	10.2		
15	Physics	45	8.6	10.5		
16	Technical Drawing	104	8.7	7.4		
	Mean (all subjects)		8.6	8.6	8.5	8.6

Note: A high numerical value represents a low grade.

Table S108: Subject Pairs Analysis for Ordinary Level History LCE 2001,
Male Students

	Subject	Number of candidates	Mean grade in History	Mean grade in comparison subject		
1	Accounting	119	5.8	8.8		
2	Art	261	8.1	7.8		
3	Biology	582	6.3	9.8		
4	Business Organisation	798	6.4	6.3		
5	Chemistry	56	5.0	9.0		
6	Construction Studies	424	7.5	7.1		
7	English	2147	6.5	8.0		
8	French	723	5.7	9.2		
9	Geography	1000	7.2	6.6		
10	German	215	5.5	8.3		
11	Home Economics (S&S)	185	6.9	8.6		
12	History	2677	6.0			
13	Irish	1493	5.3	8.6		
14	Mathematics	1824	5.2	9.8		
15	Physics	200	5.2	9.4		
16	Technical Drawing	351	7.2	7.7		
	Mean (all subjects)		6.3	8.3	6.1	8.3

Note: A high numerical value represents a low grade.

Table S109: Subject Pairs Analysis for Ordinary Level Irish LCE 2001, Male Students

	Subject	Number of candidates	Mean grade in Irish	Mean grade in comparison subject		
1	Accounting	677	7.7	7.0		
2	Art	487	9.2	7.1		
3	Biology	2093	8.1	8.6		
4	Business Organisation	2078	8.6	5.9		
5	Chemistry	393	7.6	7.4		
6	Construction Studies	844	9.2	6.5		
7	English	7068	8.3	7.1		
8	French	5281	7.4	8.0		
9	Geography	2047	9.0	6.0		
10	German	1278	7.5	7.2		
11	Home Economics (S&S)	503	8.8	8.0		
12	History	1493	8.6	5.3		
13	Irish	14500	7.1			
14	Mathematics	11333	7.4	7.5		
15	Physics	1569	7.6	7.3		
16	Technical Drawing	1758	8.3	5.9		
	Mean (all subjects)		8.2	7.0	7.9	7.2

Note: A high numerical value represents a low grade.

Table S110: Subject Pairs Analysis for Ordinary Level Mathematics LCE 2001,
Male Students

	Subject	Number of candidates	Mean grade in Mathematics	Mean grade in comparison subject		
1	Accounting	874	7.5	6.9		
2	Art	656	10.6	7.2		
3	Biology	2683	9.2	8.5		
4	Business Organisation	2548	9.8	5.8		
5	Chemistry	510	7.3	7.4		
6	Construction Studies	1099	10.7	6.3		
7	English	8593	8.9	7.3		
8	French	5975	7.7	8.1		
9	Geography	2549	10.4	5.9		
10	German	1371	7.9	7.3		
11	Home Economics (S&S)	670	10.2	7.9		
12	History	1824	9.8	5.2		
13	Irish	11333	7.5	7.4		
14	Mathematics	17233	7.4			
15	Physics	1907	7.1	7.4		
16	Technical Drawing	2319	9.0	5.8		
	Mean (all subjects)		8.9	6.9	8.5	7.1

Note: A high numerical value represents a low grade.

Table S111: Subject Pairs Analysis for Ordinary Level Physics LCE 2001,
Male Students

	Subject	Number of candidates	Mean grade in Physics	Mean grade in comparison subject		
1	Accounting	118	7.6	6.5		
2	Art	78	10.2	7.4		
3	Biology	134	8.4	8.0		
4	Business Organisation	227	9.3	5.8		
5	Chemistry	98	7.3	7.6		
6	Construction Studies	133	10.5	6.5		
7	English	1232	8.4	7.4		
8	French	758	7.4	8.1		
9	Geography	273	9.9	6.1		
10	German	203	7.8	7.1		
11	Home Economics (S&S)	45	10.5	8.6		
12	History	200	9.4	5.2		
13	Irish	1569	7.3	7.6		
14	Mathematics	1907	7.4	7.1		
15	Physics	2322	7.3			
16	Technical Drawing	355	8.6	5.2		
	Mean (all subjects)		8.7	7.0	7.9	7.2

Note: A high numerical value represents a low grade.

Table S112: Subject Pairs Analysis for Ordinary Level Technical Drawing LCE 2001,
Male Students

	Subject	Number of candidates	Mean grade in Technical Drawing	Mean grade in comparison subject		
1	Accounting	62	6.6	8.0		
2	Art	243	7.4	7.7		
3	Biology	449	7.5	9.5		
4	Business Organisation	400	7.2	7.0		
5	Chemistry	60	7.4	9.2		
6	Construction Studies	672	8.3	6.4		
7	English	2495	6.9	8.3		
8	French	755	6.0	9.0		
9	Geography	738	7.4	6.4		
10	German	160	6.1	8.1		
11	Home Economics (S&S)	104	7.4	8.7		
12	History	351	7.7	7.2		
13	Irish	1758	5.9	8.3		
14	Mathematics	2319	5.8	9.0		
15	Physics	355	5.2	8.6		
16	Technical Drawing	3020	6.4			
	Mean (all subjects)		6.9	8.1	6.6	8.2

Note: A high numerical value represents a low grade.

Table S113: Subject Pairs Analysis for Ordinary Level Accounting LCE 2001,
Female Students

	Subject	Number of candidates	Mean grade in Accounting	Mean grade in comparison subject		
1	Accounting	1387	6.4			
2	Art	62	8.3	6.8		
3	Biology	323	7.7	7.9		
4	Business Organisation	254	8.3	5.3		
5	Chemistry	17	7.5	6.9		
6	Construction Studies	5	6.2	6.0		
7	English	792	7.5	7.0		
8	French	659	6.9	7.9		
9	Geography	182	8.7	6.2		
10	German	120	6.3	6.6		
11	Home Economics (S&S)	270	8.7	7.3		
12	History	63	8.5	6.8		
13	Irish	953	6.3	6.7		
14	Mathematics	1166	6.1	7.5		
15	Physics	23	6.8	7.0		
16	Technical Drawing	8	6.8	7.4		
	Mean (all subjects)		7.4	6.9	7.0	7.1

Note: A high numerical value represents a low grade.

Table S114: Subject Pairs Analysis for Ordinary Level Art LCE 2001, Female Students

	Subject	Number of candidates	Mean grade in Art	Mean grade in comparison subject		
1	Accounting	62	6.8	8.3		
2	Art	1353	7.1			
3	Biology	425	7.2	10.1		
4	Business Organisation	464	7.4	7.8		
5	Chemistry	7	6.1	9.7		
6	Construction Studies	53	7.9	7.4		
7	English	1200	7.3	8.0		
8	French	525	6.8	9.7		
9	Geography	467	7.4	7.4		
10	German	106	6.6	8.6		
11	Home Economics (S&S)	711	7.4	8.4		
12	History	204	7.3	8.8		
13	Irish	690	6.7	8.1		
14	Mathematics	688	6.5	10.6		
15	Physics	17	6.6	11.1		
16	Technical Drawing	10	6.8	9.6		
	Mean (all subjects)		7.0	8.9	7.1	8.7

Note: A high numerical value represents a low grade.

Table S115: Subject Pairs Analysis for Ordinary Level Biology LCE 2001,
Female Students

	Subject	Number of candidates	Mean grade in Biology	Mean grade in comparison subject		
1	Accounting	323	7.9	7.7		
2	Art	425	10.1	7.2		
3	Biology	5924	8.2			
4	Business Organisation	1394	9.5	6.2		
5	Chemistry	95	6.7	7.6		
6	Construction Studies	54	10.2	6.9		
7	English	3656	9.1	7.1		
8	French	3137	8.4	8.3		
9	Geography	1103	9.9	6.4		
10	German	606	8.4	7.2		
11	Home Economics (S&S)	1729	9.9	7.4		
12	History	426	9.1	7.2		
13	Irish	4161	8.2	7.0		
14	Mathematics	4866	7.7	9.0		
15	Physics	42	7.5	8.6		
16	Technical Drawing	32	9.0	8.3		
	Mean (all subjects)		8.8	7.5	8.6	7.6

Note: A high numerical value represents a low grade.

Table S116: Subject Pairs Analysis for Ordinary Level Business Organisation
LCE 2001, Female Students

	Subject	Number of candidates	Mean grade in Business Organisation	Mean grade in comparison subject		
1	Accounting	254	5.3	8.3		
2	Art	464	7.8	7.4		
3	Biology	1394	6.2	9.5		
4	Business Organisation	4166	6.1			
5	Chemistry	28	5.9	8.8		
6	Construction Studies	74	7.2	7.5		
7	English	3427	6.5	7.3		
8	French	2253	5.8	9.0		
9	Geography	1304	6.9	6.7		
10	German	354	5.6	8.0		
11	Home Economics (S&S)	1938	6.9	7.6		
12	History	423	6.4	7.7		
13	Irish	2755	5.7	7.6		
14	Mathematics	2851	5.4	9.9		
15	Physics	38	4.8	9.7		
16	Technical Drawing	30	7.7	8.7		
	Mean (all subjects)		6.3	8.3	6.2	8.2

Note: A high numerical value represents a low grade.

Table S117: Subject Pairs Analysis for Ordinary Level Chemistry LCE 2001,
Female Students

	Subject	Number of candidates	Mean grade in Chemistry	Mean grade in comparison subject		
1	Accounting	17	6.9	7.5		
2	Art	7	9.7	6.1		
3	Biology	95	7.6	6.7		
4	Business Organisation	28	8.8	5.9		
5	Chemistry	482	6.0			
6	Construction Studies	2	11.0	9.5		
7	English	134	8.2	6.7		
8	French	146	7.0	7.1		
9	Geography	29	8.6	5.5		
10	German	33	6.9	6.2		
11	Home Economics (S&S)	21	10.3	8.0		
12	History	14	7.8	7.3		
13	Irish	250	6.4	6.0		
14	Mathematics	405	6.2	6.4		
15	Physics	35	6.9	6.9		
16	Technical Drawing	1	9.0	1.0		
	Mean (all subjects)		8.1	6.5	6.9	6.5

Note: A high numerical value represents a low grade.

Table S118: Subject Pairs Analysis for Ordinary Level Construction Studies LCE 2001,
Female Students

	Subject	Number of candidates	Mean grade in Construction Studies	Mean grade in comparison subject		
1	Accounting	5	6.0	6.2		
2	Art	53	7.4	7.9		
3	Biology	54	6.9	10.2		
4	Business Organisation	74	7.5	7.2		
5	Chemistry	2	9.5	11.0		
6	Construction Studies	204	7.3			
7	English	179	7.5	8.2		
8	French	59	7.6	9.6		
9	Geography	76	7.6	7.1		
10	German	14	5.8	6.9		
11	Home Economics (S&S)	62	7.6	9.0		
12	History	28	7.4	9.4		
13	Irish	107	7.1	8.3		
14	Mathematics	114	6.9	10.5		
15	Physics	15	7.8	11.4		
16	Technical Drawing	13	7.2	9.5		
	Mean (all subjects)		7.3	8.8	7.3	8.7

Note: A high numerical value represents a low grade.

Table S119: Subject Pairs Analysis for Ordinary Level English LCE 2001,
Female Students

	Subject	Number of candidates	Mean grade in English	Mean grade in comparison subject		
1	Accounting	792	7.0	7.5		
2	Art	1200	8.0	7.3		
3	Biology	3656	7.1	9.1		
4	Business Organisation	3427	7.3	6.5		
5	Chemistry	134	6.7	8.2		
6	Construction Studies	179	8.2	7.5		
7	English	9674	6.7			
8	French	5099	6.6	8.7		
9	Geography	2666	7.6	6.8		
10	German	925	6.6	7.7		
11	Home Economics (S&S)	3669	7.7	7.8		
12	History	968	7.2	7.8		
13	Irish	6515	6.4	7.3		
14	Mathematics	6897	6.3	9.1		
15	Physics	129	6.7	8.8		
16	Technical Drawing	94	7.8	8.2		
	Mean (all subjects)		7.1	7.9	6.9	8.0

Note: A high numerical value represents a low grade.

Table S120: Subject Pairs Analysis for Ordinary Level French LCE 2001,
Female Students

	Subject	Number of candidates	Mean grade in French	Mean grade in comparison subject		
1	Accounting	659	7.9	6.9		
2	Art	525	9.7	6.8		
3	Biology	3137	8.3	8.4		
4	Business Organisation	2253	9.0	5.8		
5	Chemistry	146	7.1	7.0		
6	Construction Studies	59	9.6	7.6		
7	English	5099	8.7	6.6		
8	French	9596	7.6			
9	Geography	1514	9.4	6.2		
10	German	25	7.0	5.9		
11	Home Economics (S&S)	2208	9.4	7.3		
12	History	551	8.4	6.6		
13	Irish	7031	7.7	6.6		
14	Mathematics	8034	7.4	8.2		
15	Physics	109	7.1	7.5		
16	Technical Drawing	48	8.4	7.3		
	Mean (all subjects)		8.3	7.0	8.2	7.2

Note: A high numerical value represents a low grade.

Table S121: Subject Pairs Analysis for Ordinary Level Geography LCE 2001,
Female Students

	Subject	Number of candidates	Mean grade in Geography	Mean grade in comparison subject		
1	Accounting	182	6.2	8.7		
2	Art	467	7.4	7.4		
3	Biology	1103	6.4	9.9		
4	Business Organisation	1304	6.7	6.9		
5	Chemistry	29	5.5	8.6		
6	Construction Studies	76	7.1	7.6		
7	English	2666	6.8	7.6		
8	French	1514	6.2	9.4		
9	Geography	3061	6.6			
10	German	301	6.2	8.2		
11	Home Economics (S&S)	1609	7.1	8.0		
12	History	271	7.0	8.8		
13	Irish	1880	6.0	7.9		
14	Mathematics	1828	5.8	10.5		
15	Physics	29	6.3	10.4		
16	Technical Drawing	22	7.2	9.5		
	Mean (all subjects)		6.5	8.6	6.5	8.5

Note: A high numerical value represents a low grade.

Table S122: Subject Pairs Analysis for Ordinary Level German LCE 2001,
Female Students

	Subject	Number of candidates	Mean grade in German	Mean grade in comparison subject		
1	Accounting	120	6.6	6.3		
2	Art	106	8.6	6.6		
3	Biology	606	7.2	8.4		
4	Business Organisation	354	8.0	5.6		
5	Chemistry	33	6.2	6.9		
6	Construction Studies	14	6.9	5.8		
7	English	925	7.7	6.6		
8	French	25	5.9	7.0		
9	Geography	301	8.2	6.2		
10	German	1677	6.7			
11	Home Economics (S&S)	377	8.4	7.1		
12	History	143	7.5	7.5		
13	Irish	1259	6.8	6.8		
14	Mathematics	1410	6.4	8.4		
15	Physics	27	6.4	8.4		
16	Technical Drawing	17	8.0	8.5		
	Mean (all subjects)		7.2	7.1	7.2	7.3

Note: A high numerical value represents a low grade.

Table S123: Subject Pairs Analysis for Ordinary Level Home Economics (Scientific and Social) LCE 2001, Female Students

	Subject	Number of candidates	Mean grade in Home Econ. (S&S)	Mean grade in comparison subject		
1	Accounting	270	7.3	8.7		
2	Art	711	8.4	7.4		
3	Biology	1729	7.4	9.9		
4	Business Organisation	1938	7.6	6.9		
5	Chemistry	21	8.0	10.3		
6	Construction Studies	62	9.0	7.6		
7	English	3669	7.8	7.7		
8	French	2208	7.3	9.4		
9	Geography	1609	8.0	7.1		
10	German	377	7.1	8.4		
11	Home Economics (S&S)	4149	7.5			
12	History	461	7.7	8.5		
13	Irish	2602	7.0	7.9		
14	Mathematics	2468	6.8	10.4		
15	Physics	19	7.7	10.8		
16	Technical Drawing	27	8.2	9.2		
	Mean (all subjects)		7.7	8.7	7.5	8.4

Note: A high numerical value represents a low grade.

Table S124: Subject Pairs Analysis for Ordinary Level History LCE 2001,
Female Students

	Subject	Number of candidates	Mean grade in History	Mean grade in comparison subject		
1	Accounting	63	6.8	8.5		
2	Art	204	8.8	7.3		
3	Biology	426	7.2	9.1		
4	Business Organisation	423	7.7	6.4		
5	Chemistry	14	7.3	7.8		
6	Construction Studies	28	9.4	7.4		
7	English	968	7.8	7.2		
8	French	551	6.6	8.4		
9	Geography	271	8.8	7.0		
10	German	143	7.5	7.5		
11	Home Economics (S&S)	461	8.5	7.7		
12	History	1445	6.7			
13	Irish	856	6.4	7.3		
14	Mathematics	944	5.8	9.5		
15	Physics	18	6.8	9.3		
16	Technical Drawing	5	9.6	9.0		
	Mean (all subjects)		7.7	7.9	7.2	7.9

Note: A high numerical value represents a low grade.

Table S125: Subject Pairs Analysis for Ordinary Level Irish LCE 2001,
Female Students

	Subject	Number of candidates	Mean grade in Irish	Mean grade in comparison subject		
1	Accounting	953	6.7	6.3		
2	Art	690	8.1	6.7		
3	Biology	4161	7.0	8.2		
4	Business Organisation	2755	7.6	5.7		
5	Chemistry	250	6.0	6.4		
6	Construction Studies	107	8.3	7.1		
7	English	6515	7.3	6.4		
8	French	7031	6.6	7.7		
9	Geography	1880	7.9	6.0		
10	German	1259	6.8	6.8		
11	Home Economics (S&S)	2602	7.9	7.0		
12	History	856	7.3	6.4		
13	Irish	14231	6.0			
14	Mathematics	11915	6.0	7.7		
15	Physics	186	6.1	7.2		
16	Technical Drawing	76	7.6	7.0		
	Mean (all subjects)		7.2	6.8	6.8	7.2

Note: A high numerical value represents a low grade.

Table S126: Subject Pairs Analysis for Ordinary Level Mathematics LCE 2001,
Female Students

	Subject	Number of candidates	Mean grade in Mathematics	Mean grade in comparison subject		
1	Accounting	1166	7.5	6.1		
2	Art	688	10.6	6.5		
3	Biology	4866	9.0	7.7		
4	Business Organisation	2851	9.9	5.4		
5	Chemistry	405	6.4	6.2		
6	Construction Studies	114	10.5	6.9		
7	English	6897	9.1	6.3		
8	French	8034	8.2	7.4		
9	Geography	1828	10.5	5.8		
10	German	1410	8.4	6.4		
11	Home Economics (S&S)	2468	10.4	6.8		
12	History	944	9.5	5.8		
13	Irish	11915	7.7	6.0		
14	Mathematics	20304	6.7			
15	Physics	283	6.1	7.0		
16	Technical Drawing	103	8.6	6.7		
	Mean (all subjects)		8.8	6.5	8.7	6.5

Note: A high numerical value represents a low grade.

Table S127: Subject Pairs Analysis for Ordinary Level Physics LCE 2001,
Female Students

	Subject	Number of candidates	Mean grade in Physics	Mean grade in comparison subject		
1	Accounting	23	7.0	6.8		
2	Art	17	11.1	6.6		
3	Biology	42	8.6	7.5		
4	Business Organisation	38	9.7	4.8		
5	Chemistry	35	6.9	6.9		
6	Construction Studies	15	11.4	7.8		
7	English	129	8.8	6.7		
8	French	109	7.5	7.1		
9	Geography	29	10.4	6.3		
10	German	27	8.4	6.4		
11	Home Economics (S&S)	19	10.8	7.7		
12	History	18	9.3	6.8		
13	Irish	186	7.2	6.1		
14	Mathematics	283	7.0	6.1		
15	Physics	389	6.6			
16	Technical Drawing	5	8.0	5.8		
	Mean (all subjects)		8.8	6.6	7.9	6.4

Note: A high numerical value represents a low grade.

Table S128: Subject Pairs Analysis for Ordinary Level Technical Drawing LCE 2001,
Female Students

	Subject	Number of candidates	Mean grade in Technical Drawing	Mean grade in comparison subject		
1	Accounting	8	7.4	6.8		
2	Art	10	9.6	6.8		
3	Biology	32	8.3	9.0		
4	Business Organisation	30	8.7	7.7		
5	Chemistry	1	1.0	9.0		
6	Construction Studies	13	9.5	7.2		
7	English	94	8.2	7.8		
8	French	48	7.3	8.4		
9	Geography	22	9.5	7.2		
10	German	17	8.5	8.0		
11	Home Economics (S&S)	27	9.2	8.2		
12	History	5	9.0	9.6		
13	Irish	76	7.0	7.6		
14	Mathematics	103	6.7	8.6		
15	Physics	5	5.8	8.0		
16	Technical Drawing	138	7.2			
	Mean (all subjects)		7.7	8.0	7.8	8.0

Note: A high numerical value represents a low grade.