

REPORT TO: Education Committee

MEETING DATE: 22 November 2016

BY: Depute Chief Executive (Resources and People Services)

SUBJECT: Insight Local Benchmarking Measures & Graded Course Awards to 2016

1 PURPOSE

- 1.1 To inform the Committee of trends in attainment and achievement of S5 and S6 pupils in the Senior Phase in East Lothian using the “Local Benchmarking Measures” and Graded Course awards from 2014 to 2016 from Insight.

2 RECOMMENDATIONS

- 2.1 The Committee is asked to consider and note the contents of the report.

3 BACKGROUND

- 3.1 Each year young people in secondary schools in East Lothian achieve a range of awards and qualifications available on the Scottish Credit and Qualifications Framework (SCQF) at different stages throughout the senior phase (S4 to S6).
- 3.2 The Scottish Government developed a new statistical benchmarking tool ‘Insight’ to assist schools and local authorities in the analysis of attainment of young people in the senior phase through nationally agreed benchmarking measures and course breadth and depth data. General information on the “Insight” tool is available online at: <http://www.gov.scot/Topics/Education/Schools/curriculum/seniorphasebenchmarking>
- 3.3 This report focuses on the three “Local Benchmarking Measures” based on the cumulative achievements of all young people at the end of S5 and S6 in the five years to 2016 and will explore how the Education Authority has performed over this five-year period in relation to the national average and its Virtual Comparator.

- 3.4 The report also provides an overview of the Authority's performance in graded courses at National 5, Higher and Advanced Higher, compared to the National average, over the last three years to 2016.
- 3.5 The three nationally agreed "Local Benchmarking Measures", published through "Insight" in September 2016, are:
- Improving attainment in literacy and numeracy (shown as the percentage of each stage attaining Literacy and Numeracy)
 - Improving attainment for all (shown as the Average Total Tariff Score)
 - Tackling disadvantage by improving the attainment of lower attainers relative to higher attainers (shown as the Average Total Tariff Score versus Deprivation)
- 3.6 The dual presentation of old and new qualifications across the SCQF Levels in previous academic sessions and different approaches to presentation and delivery makes direct comparisons of attainment between 2016 and previous years extremely complex both nationally and locally. In particular, differences between the assessment arrangements for the new National Qualifications at SCQFs Level 3 to 5, compared with the previous Standard Grade qualification means that the 2014 and 2015 and earlier years' data is not directly comparable.
- 3.7 Local Benchmarking Measures are heavily influenced by a school's curricular model (presentations policy), for example a reduction in the number of subjects studied in S4. Across our schools, pupils achieved a range of qualifications across the SCQF levels at different stages through a variety of progression pathways, for example, pupils "bypassing" National 5 qualifications in S4 in 2014, 2015 and 2016 to sit a two-year Higher course for examination in S5 in May of S5, 2015, 2016 and 2017. Therefore, it is not possible to present data for the Local Benchmarking Measures by the end of S4 in East Lothian in a meaningful way.
- 3.8 Course measures used in this report relate to the percentage of pupils attaining SQA accredited awards at grades A to C at SCQF Level 5 (National 5), SCQF Level 6 (Higher) at S5 & S6 and SCQF Level 7 (Advanced Higher) at S6. Percentages are based on A-C awards attained within the presented year, calculated as a percentage of the resulted entries.
- 3.9 The reports in Insight are based on SQA attainment and include the results of completed National Courses and Skills for Work and Personal Development courses that are sent to SEEMiS from SQA in August. College presentations are also included as are D awards or other achievements from ungraded National Certificates and National Progression Awards.
- 3.10 The main highlights for East Lothian are provided in paragraphs 3.11 to 3.15 below. A detailed breakdown of each of the measures is provided in Appendix 1.

East Lothian Performance to 2016

3.11 Overall, the three Local Benchmarking Measures (LBMs) reported by the Scottish Government Insight tool in the September 2016 update indicate that attainment in East Lothian has improved overall over the five-year period to 2015/16. Key points are:

- **Improving Attainment for All** – East Lothian shows an improving trend in the average total tariff scores across the three attaining groups by both the end of S5 and S6 over the last five years.

Performance by the end of S5 has typically been in line with the Virtual Comparator across the five years with the exception of 2012 where Insight testing found that East Lothian's lower performance in the Middle 60% group was statistically significant.

Performance by the end of S6 has also been typically in line with the Virtual Comparator with the exception of 2012 when it was statistically lower for the Lowest 20% and Middle 60% groups and in 2016 when the performance of the Highest 20% group in East Lothian was greater than its Virtual Comparator (*see appendix 1, section 2*)

- **Literacy & Numeracy Achievement** – East Lothian's performance shows an improving trend over the five years and an increase on the previous year in 2016 across SCQF Levels 3 to 5 by the end of S5 and S6. At SCQF Level 6 the trend has been more static with 2016 showing a drop in performance at both stages. East Lothian's performance has typically been in line with the Virtual Comparator at SCQF Levels 3 and 4, while at Level 5 & 6 they have been typically lower (*see appendix 1, section 3*)

Literacy Achievement: East Lothian's Literacy performance shows an improving trend over the five years across SCQF Levels 3 to 6 at both stages. East Lothian's performance has typically been in line with the Virtual Comparator with the exception of 2012 where the performance was lower at SCQF Levels 3 & 4 and 2014 where the performance was lower at SCQF Levels 5 & 6 in S5 and lower at SCQF Level 5 in 2015 by the end of S6.

Numeracy Achievement: East Lothian's Numeracy performance shows an improving trend over the five years across SCQF Levels 3 to 5 at both stages while SCQF Level 6 shows a slight drop. East Lothian's performance has typically been in line with the Virtual Comparator at SCQF Levels 3 & 4 across the years while at SCQF Levels 5 & 6 the performance has been typically lower.

- **Attainment versus Deprivation** – East Lothian's scores across the deciles at each stage over the five-year period show that they are roughly in line with the Virtual Comparator. As with the National Average and the Virtual Comparator, pupils living in the most deprived areas typically have a lower total tariff score on average

than those pupils living in the least deprived areas. (see appendix 1, section 4)

4 POLICY IMPLICATIONS

4.1 There are no direct policy implications associated with this report.

5 INTEGRATED IMPACT ASSESSMENT

5.1 The subject of this report does not affect the wellbeing of the community or have a significant impact on equality, the environment or economy.

6 RESOURCE IMPLICATIONS

6.1 Financial - none

6.2 Personnel - none

6.3 Other - none

7 BACKGROUND PAPERS

7.1 Appendix 1 – East Lothian Local Benchmarking & Graded Course Measures Performance to 2016

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Appendix 1

East Lothian Council - Education Service

East Lothian Local Benchmarking (S5 & S6) and Graded Course Measures to 2016

1. Background Notes

This report compares the performance of East Lothian S5 and S6 pupils against local benchmarks over time.

- The data in this report is taken from the September 2016 release of Insight and reflects the most up to date position on attainment.
- The Local Benchmarking measures provide data on pupils' achievements during the senior phase, whether they are a leaver or they are still at school.
- The attainment figures are based on the 'Latest and Best' achievement of young people in the Senior Phase and do not include attainment gained prior to S4. The figures only include attainment in SCQF credit-rated qualifications that have been matched to an individual pupil via their Scottish Candidate Number (SCN).
- In East Lothian we operate inclusive schools and there are some pupils who pass examinations at SCQF levels 1 and 2, which are not included in the analysis though as key benchmark measures.
- Figures 1 to 6, Tables 1-11 and commentary detail the progress made by East Lothian pupils against the Virtual Comparator and the National Establishment (i.e. national average) by stage over the last 5 years for each Local Benchmarking measure. Figures are provided for both the National Establishment and the Virtual Comparator but the Virtual Comparator is seen as the key benchmark for helping schools and Education Authorities understand their strengths and areas for improvement.
- The Virtual Comparator is made up of pupils from schools in other local authorities around Scotland who have similar background characteristics to the pupils in the schools in the Education Authority in question offering a fairer comparison.
- Local benchmarking measures are influenced by a school's curricular model/presentations policy. It is worth noting that the Virtual Comparator does not currently take into account the curriculum model/presentations policy of the schools that they come from. Therefore, caution must be exercised when making comparisons at stage level.
- Tables 12 to 15 provide further information related to Course measures in section 5.
- When the cohort being compared relates to a small number of pupils (less than 20 as a rule of thumb provided by the Scottish Government), the trends are more likely to fluctuate over time and, therefore, are less likely to be significant.
- Where Insight testing has found that comparisons between the East Lothian performance and its Virtual Comparator is statistically significant and large enough to be considered of important educational value, this information has been included in the commentary in sections 2 to 4 of this document.
- In some tables, three-year averages and a 'Trend' are presented with the annual performance to provide an indication of an overall declining or improving trend by East Lothian schools in relation to the Virtual Comparator. The 'Trend' is the average annual percentage or score point

change over the number of years given. A positive value (coloured green) indicates an improving trend on average over the period and a negative value (coloured red) indicates a declining trend.

Note On Historic Early S3 Presentations in East Lothian:

One of our secondary schools operated an "early presentations in S3 policy" for Standard Grades, Int 1 and Access 2 and 3 awards between 2006/07 and 2010/11 and for Maths Access 3 in 2011/12. As Insight does not include awards attained in stages prior to the senior phase (S4 to S6), any awards achieved in S3 during these years will not be included in the calculations. Therefore, the attainment rates for the East Lothian average at SCQF Level 3, SCQF Level 4 & SCQF Level 5 may be under-reported in some instances for the following cohorts:

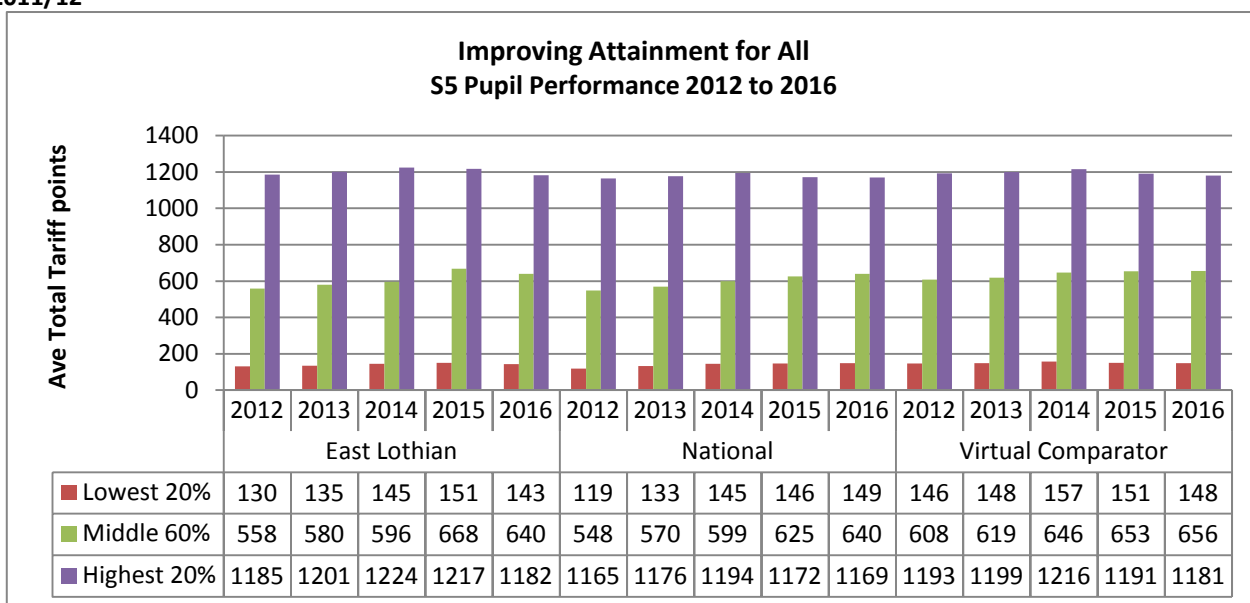
- S4 Performance in 2011/12 and 2012/13
- S5 Performance in 2011/12, 2012/13 and 2013/14
- S6 Performance in 2011/12, 2012/13, 2013/14 and 2014/15

2. Local Benchmarking Measure: Improving Attainment for All

This measure groups candidates according to their whole-school attainment as measured by their total tariff points into three attainment groups. The three groups are the lowest-scoring 20 per cent of pupils, the highest-scoring 20 per cent and the middle 60 per cent. For each pupil the tariff score is the total of the tariff points associated with each of the eligible latest and best awards they have achieved by the end of each stage. Awards that have been superseded by the pupil progressing to a higher-level award in the same subject are excluded, as are awards achieved when the pupil was in S1–S3. For example, if a pupil has National 5 English and Higher English then only the points for the Higher are included. These tariff scores are then averaged over all the pupils in the particular attainment group.

Figures 1 and 2 that follow show the average total tariff score by S5 and S6 of the full S4 year group across East Lothian. It includes those pupils who left before those stages over the five-year period.

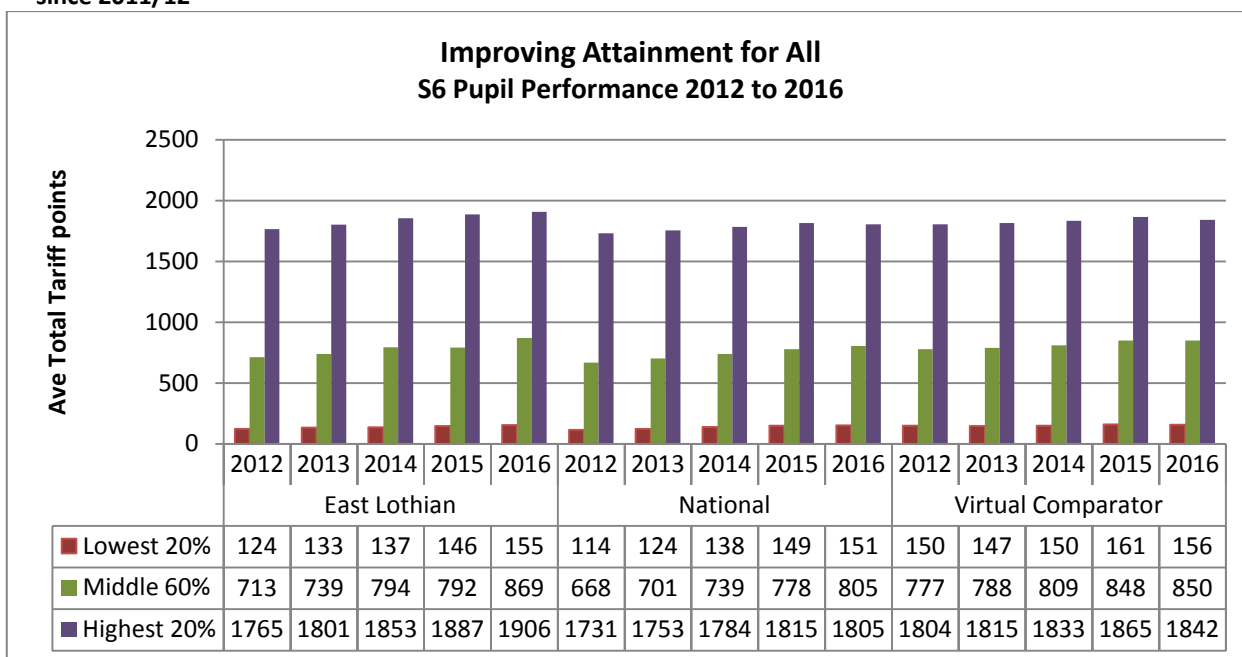
Figure 1: Average total tariff score of the full S4 year group within each attainment group by end of S5 since 2011/12



Comments on Figure 1:

- All three attainment groups by the end of S5 in East Lothian show a slight decrease in their average tariff score in 2016 on the previous year although the trend has improved slightly in the Lowest 20% and Middle 60% attaining groups over the five-year period.
- The East Lothian Performance at S5 across the five years has typically been in line with both the National average and Virtual Comparator with the exception of 2012 where Insight testing has found that East Lothian’s performance in the Middle 60% was statistically lower.

Figure 2: The average total tariff score of the full S4 year group within each attainment group by the end of S6 since 2011/12



Comments on Figure 2:

- All three attainment groups by the end of S6 in East Lothian show an increase in their average tariff score in 2016 on the previous year and an improved trend over the five-year period.
- The East Lothian Performance at S6 across the five years has typically been higher than the National average for the Middle 60% and Highest 20% attaining groups and in line with for the Lowest 20% group.
- In relation to the Virtual Comparator, East Lothian’s performance across the three groups has been typically in line with the exception of 2012, where Insight testing has found that East Lothian’s performance in the Lowest 20% and Middle 60% was statistically lower, and in 2016 East Lothian’s performance in the Highest 20% group was greater than its Virtual Comparator.

Table 1 further presents the average point difference between the East Lothian and the Virtual Comparator average total tariff scores within each attainment group over the five-year period. The ‘trend’ indicator is also provided for each of the attainment groups to show the increase or decrease of the East Lothian average total tariff score over time as well as the East Lothian 3 Year and 5 Year average.

Table 1.../

Table 1: Average Point Difference between the average total tariff score for East Lothian and the Virtual Comparator within each attainment group since 2011/12

	Attainment Group	Average Point Difference between ELC & VC scores					ELC Ave Total Tariff Score			Insight testing found that the following comparisons were significant:
		2012	2013	2014	2015	2016	ELC 3 Yr Ave	ELC 5 Yr Ave	ELC 5 Yr Trend	
S5	Lowest Attaining 20%	-16	-13	-12	0	-5	146	141	3.25	
	Middle Attaining 60%	-50	-39	-50	15	-16	635	608	20.50	<i>ELC Performance is lower than its Virtual Comparator in 2012</i>
	Highest Attaining 20%	-8	2	8	26	1	1208	1202	-0.75	
S6	Lowest Attaining 20%	-26	-14	-13	-15	-1	146	139	7.75	<i>ELC Performance is lower than its Virtual Comparator in 2012</i>
	Middle Attaining 60%	-64	-49	-15	-56	19	818	781	39.00	
	Highest Attaining 20%	-39	-14	20	22	64	1882	1842	35.25	<i>ELC Performance is greater than its Virtual Comparator in 2016</i>

3. Local Benchmarking Measure: Literacy and Numeracy

Figures 3 to 6 that follow detail the percentage of the full S4 year group that achieved Literacy and/or numeracy from 2011/12 to 2015/16 to at least SCQF Levels 3 to 6 by the end of S5 or S6.

Tables 6 and 7 further break this information down separately for Literacy & Numeracy by the end of each stage.

To achieve the given level of literacy a pupil needs to achieve the literacy unit at that level, or English or Gaidhlig course at that level. For numeracy the pupil needs to achieve the numeracy unit at that level or a Mathematics or Lifeskills Maths at that level.

Figure 3: Literacy and Numeracy achievement for the full S4 year group at SCQF Levels 3 and 4 by the end of S5 in each year from 2011/12 to 2015/16

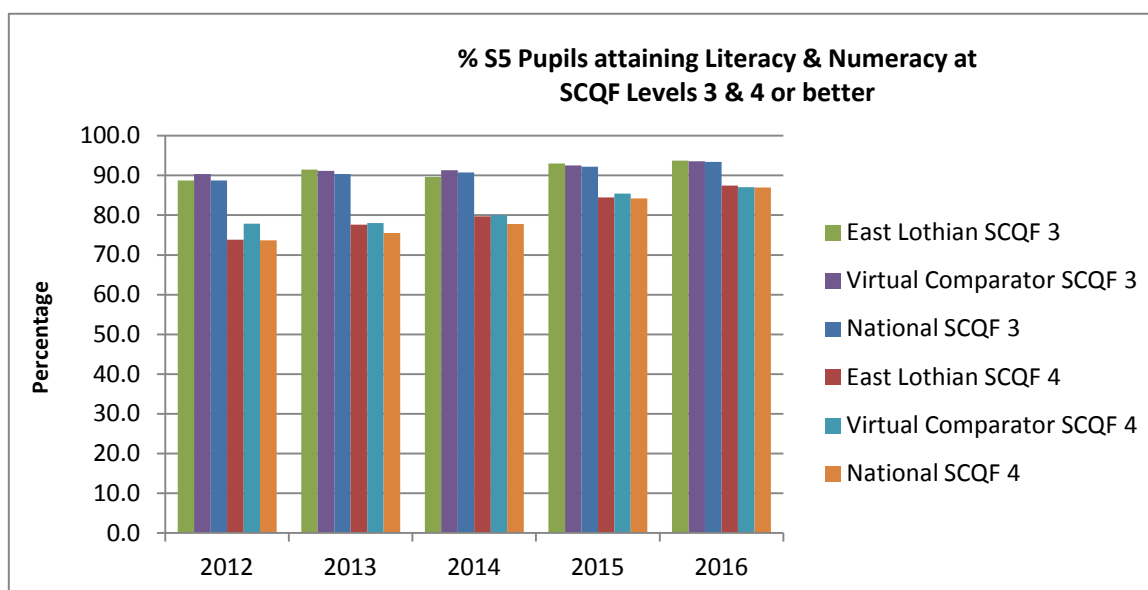


Table 2 - % S5 Pupils attaining Literacy & Numeracy at SCQF Levels 3 & 4 or better

S5 Pupils	2012	2013	2014	2015	2016	3 Year Ave	2016 % point change (+/-) on 2015	5 Year Trend
East Lothian SCQF 3	88.7	91.5	89.7	93.0	93.7	92.1	0.7	1.25
Virtual Comparator SCQF 3	90.3	91.2	91.3	92.6	93.5	92.5	1.0	0.81
National SCQF 3	88.8	90.4	90.8	92.2	93.4	92.1	1.2	1.17
East Lothian SCQF 4	73.9	77.6	79.7	84.5	87.4	83.9	2.9	3.39
Virtual Comparator SCQF 4	77.9	78.0	80.0	85.4	87.1	84.2	1.6	2.30
National SCQF 4	73.7	75.5	77.8	84.2	87.0	83.0	2.8	3.33

Comments on Figure 3 and Table 2:

- East Lothian’s S5 performance at SCQF Levels 3 and 4 or better shows an improving trend with both levels showing a % increase in 2016 on the previous year.
- East Lothian’s S5 % at SCQF Level 3 and 4 has been typically in line with both the national average and the Virtual Comparator.
- Where the S5 % has been above or below the Virtual Comparator, Insight Testing found no significant comparisons for this measure.

Figure 4: Literacy and Numeracy achievement at SCQF Levels 5 and 6 for the full S4 year group by the end of S5 in each year from 2011/12 to 2015/16

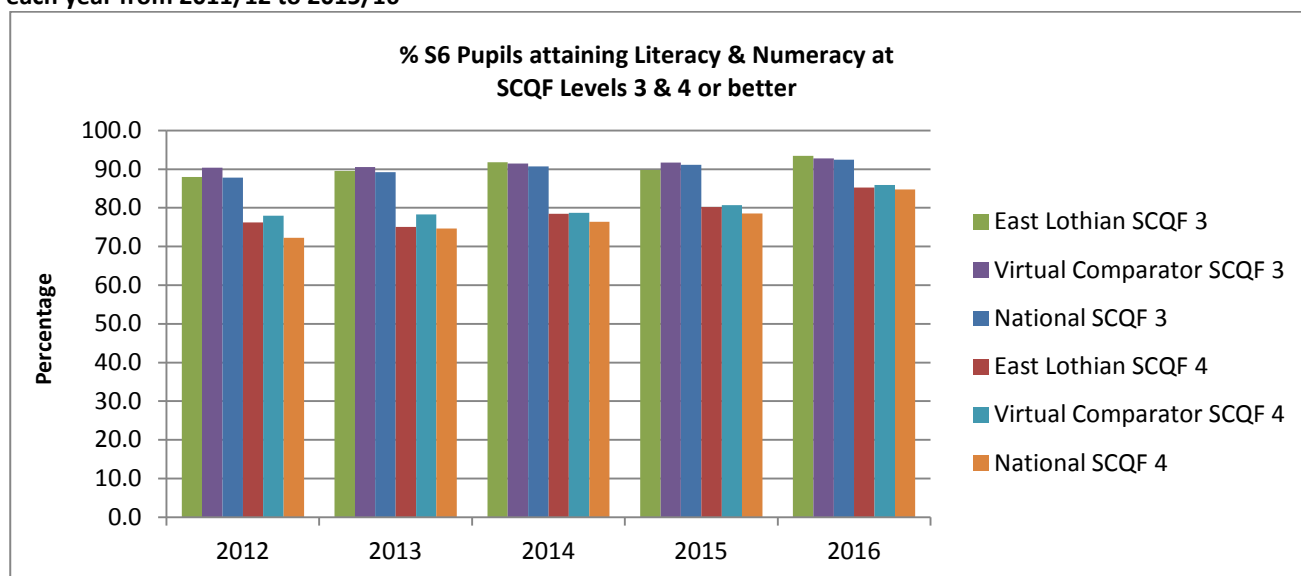


Table 3 - % S6 Pupils attaining Literacy & Numeracy at SCQF Levels 3 & 4 or better

S6 Pupils	2012	2013	2014	2015	2016	3 Year Ave	2016 % point change (+/-) on 2015	5 Year Trend
East Lothian SCQF 3	88.0	89.5	91.8	89.8	93.4	91.7	3.6	1.37
Virtual Comparator SCQF 3	90.4	90.5	91.5	91.7	92.8	92.0	1.1	0.60
National SCQF 3	87.8	89.3	90.7	91.1	92.5	91.5	1.4	1.17
East Lothian SCQF 4	76.3	75.1	78.4	80.2	85.3	81.3	5.1	2.25
Virtual Comparator SCQF 4	78.0	78.3	78.7	80.7	85.9	81.8	5.2	1.98
National SCQF 4	72.3	74.6	76.4	78.6	84.8	79.9	6.2	3.12

Comments on Figure 4 and Table 3:

- East Lothian’s S6 performance at SCQF Levels 3 and 4 or better shows an improving trend with both showing a % increase in 2016 on the previous year.
- East Lothian’s S6 % at SCQF Level 3 and 4 has been typically in line with both the national average and the Virtual Comparator.
- Where the S6 % has been above or below the Virtual Comparator, Insight Testing found that there were no significant comparisons for this measure.

Figure 5: Literacy and Numeracy achievement at SCQF Levels 3 and 4 for the full S4 year group by the end of S6 in each year from 2011/12 to 2015/16

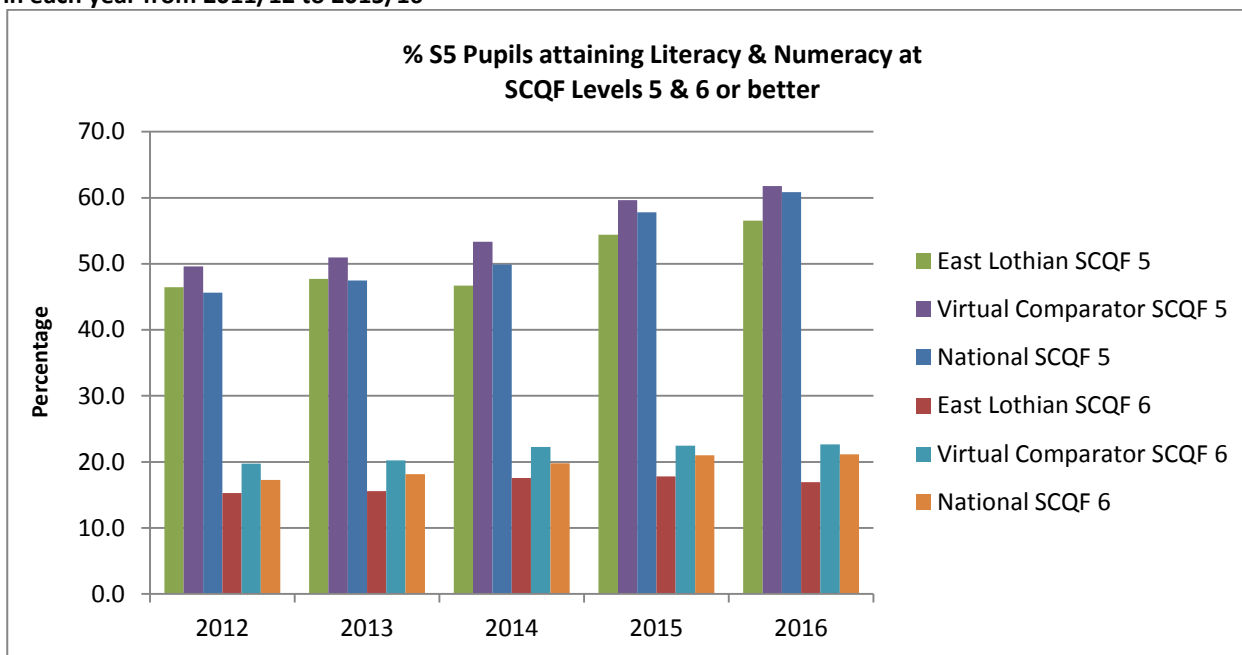


Table 4 - % S5 Pupils attaining Literacy & Numeracy at SCQF Levels 5 & 6 or better

S5 Pupils	2012	2013	2014	2015	2016	3 Year Ave	2016 % point change (+/-) on 2015	5 Year Trend
East Lothian SCQF 5	46.5	47.7	46.7	54.4	56.5	52.5	2.1	2.52
Virtual Comparator SCQF 5	49.6	51.0	53.3	59.7	61.8	58.2	2.1	3.04
National SCQF 5	45.6	47.5	49.9	57.8	60.9	56.2	3.1	3.81
East Lothian SCQF 6	15.3	15.6	17.6	17.8	16.9	17.4	-0.9	0.41
Virtual Comparator SCQF 6	19.7	20.2	22.3	22.5	22.7	22.5	0.2	0.73
National SCQF 6	17.3	18.2	19.8	21.0	21.1	20.7	0.1	0.97

Comments on Figure 5 and Table 4:

- East Lothian’s S5 performance at SCQF Level 5 or better shows an improving trend over the five-year period and a relatively static trend at SCQF Level 6, with the performance at SCQF Level 5 in 2016 increasing on the previous year but dropping slightly at SCQF Level 6.
- East Lothian’s S5 % at both SCQF Levels is typically lower than the Virtual Comparator and national average. Insight testing found that the following comparisons were significant for this measure: ELC S5 Performance at SCQF Levels 5 & 6 is lower than the Virtual in years 2014 to 2016.

Figure 6: Literacy and Numeracy achievement at SCQF Levels 5 and 6 for the full S4 year group by the end of S6 in each year from 2011/12 to 2015/16

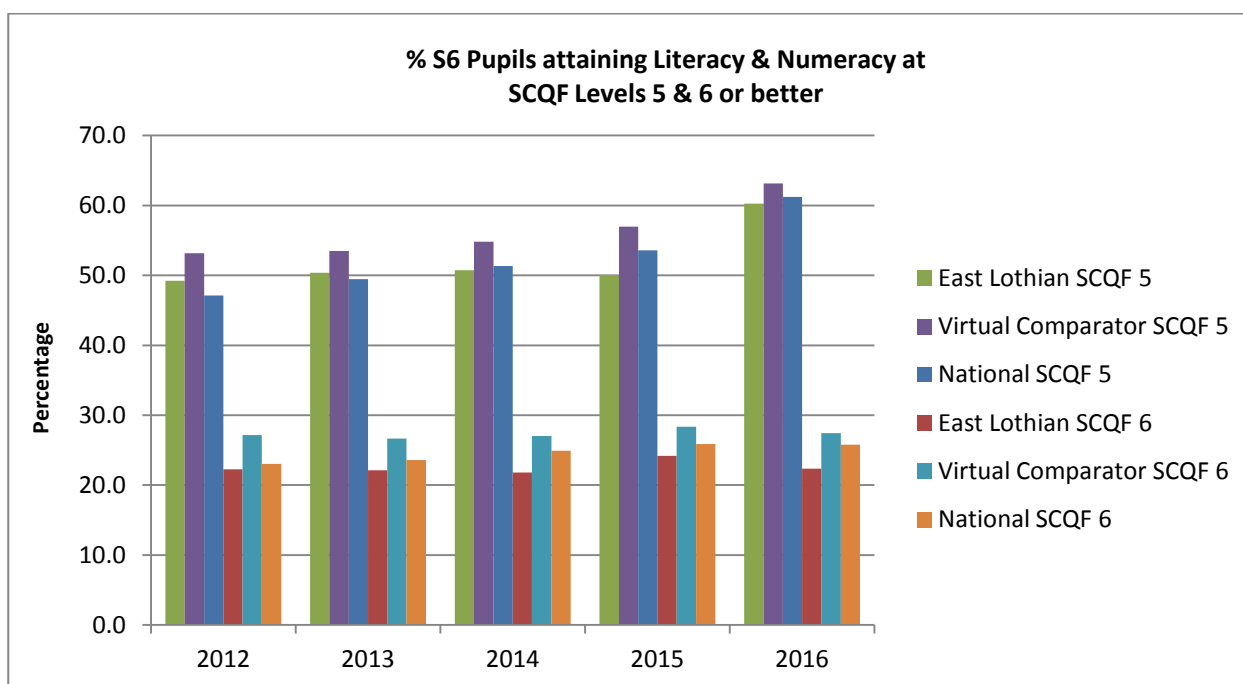


Table 5 - % S6 Pupils attaining Literacy & Numeracy at SCQF Levels 5 & 6 or better

S6 Pupils	2012	2013	2014	2015	2016	3 Year Ave	2016 % point change (+/-) on 2015	5 Year Trend
East Lothian SCQF 5	49.2	50.4	50.7	50.1	60.3	53.7	10.2	2.76
Virtual Comparator SCQF 5	53.2	53.5	54.8	57.0	63.1	58.3	6.2	2.49
National SCQF 5	47.1	49.5	51.3	53.6	61.2	55.4	7.6	3.52
East Lothian SCQF 6	22.3	22.1	21.8	24.2	22.4	22.8	-1.8	0.03
Virtual Comparator SCQF 6	27.2	26.7	27.0	28.4	27.4	27.6	-0.9	0.06
National SCQF 6	23.0	23.6	24.9	25.9	25.8	25.5	-0.1	0.69

Comments on Figure 6 and Table 5:

- East Lothian’s S6 performance at SCQF Levels 5 or better shows an improving trend over the five-year period with the 2016 performance 10% higher than the previous year. The performance at SCQF Level 6 or better shows a relatively static trend at SCQF Level 6 with the 2016 dropping slightly on the previous year.
- East Lothian’s S6 % at both SCQF Levels is typically lower than the Virtual Comparator and national average. Insight Testing found that the following comparisons were significant for this measure:
 - ELC S6 Performance at SCQF Levels 5 is lower than the Virtual Comparator in 2015; and
 - Is lower than the Virtual Comparator at SCQF Level 6 across years 2012 to 2014 and 2016.

Tables 6 and 7 overleaf break this information down separately for Literacy & Numeracy by the end of each stage.

Table 6: Literacy and Numeracy achievement for the full S4 year group by the end of S5 in each year from 2011/12 to 2015/16

		Literacy				Numeracy			
		3+	4+	5+	6+	3+	4+	5+	6+
East Lothian	2011/12	91.07	87.07	61.02	30.24	93.44	78.60	49.73	21.58
	2012/13	93.82	90.42	63.65	30.80	94.27	80.04	51.84	20.95
	2013/14	93.89	91.45	63.35	29.79	92.29	81.11	50.75	24.25
	2014/15	95.00	92.30	73.82	43.50	94.51	85.95	56.79	21.85
	2015/16	95.37	93.71	73.82	43.94	95.28	88.44	58.46	20.81
	+/- on 2015	0.37	1.41	0.00	0.44	0.77	2.49	1.67	-1.04
	3yr ave	94.75	92.49	70.33	39.08	94.03	85.17	55.33	22.30
	5yr trend ¹	1.08	1.66	3.20	3.43	0.46	2.46	2.18	-0.19
Virtual Comparator	2011/12	93.94	91.18	65.19	33.55	92.85	79.74	54.60	26.21
	2012/13	94.47	91.35	65.77	34.91	93.50	79.69	55.26	26.78
	2013/14	94.45	91.84	68.19	37.21	93.51	81.65	57.89	28.24
	2014/15	95.17	92.18	74.76	43.46	93.98	86.95	62.65	26.53
	2015/16	95.62	93.09	76.34	46.91	94.89	88.65	64.46	25.88
	+/- on 2015	0.45	0.91	1.58	3.45	0.91	1.70	1.81	-0.65
	3yr ave	95.08	92.37	73.10	42.53	94.13	85.75	61.67	26.88
	5yr trend ¹	0.42	0.48	2.79	3.34	0.51	2.23	2.47	-0.08
National	2011/12	92.64	88.72	60.18	29.85	91.57	75.63	50.17	22.98
	2012/13	93.96	90.34	62.09	31.54	92.75	77.17	51.96	23.95
	2013/14	94.27	91.07	64.86	33.94	93.09	79.54	54.45	25.63
	2014/15	94.99	91.64	73.26	41.33	93.87	85.97	61.07	24.98
	2015/16	95.49	93.01	76.23	46.01	94.89	88.63	63.70	24.15
	+/- on 2015	0.50	1.37	2.97	4.68	1.02	2.66	2.63	-0.83
	3yr ave	94.92	91.91	71.45	40.43	93.95	84.71	59.74	24.92
	5yr trend ¹	0.71	1.07	4.01	4.04	0.83	3.25	3.38	0.29

Comments on Table 6:

- **S5 Literacy Achievement** - East Lothian's S5 performance across SCQF Levels 3 to 6 for Literacy shows an improved trend over the five-year period with the 2016 performance showing further improvement on the previous year across the SCQF Levels 3 to 4 and Level 6 or better.
- East Lothian's S5 % performance across the SCQF levels has typically been in line with its Virtual Comparator and the national average with the exception of a couple of years. Insight testing has found that the following comparisons were significant in these years:
 - East Lothian's S5 Literacy performance at SCQF Level s 4 & 5 in 2012 and Levels 5 & 6 in 2014 is lower than the Virtual Comparator
- **S5 Numeracy Achievement** - East Lothian's S5 performance across SCQF Levels 3 to 5 for Numeracy shows an improved trend over the five-year period with the 2016 performance showing further improvement on the previous year, while SCQF Level 6 shows a slight drop.

- East Lothian's S5 % performance at SCQF Levels 3 and 4 have typically been in line with its Virtual Comparator and the national average while at SCQF Levels 5 & 6 the performance has typically been lower. Insight testing has found that the following comparisons were significant:
 - East Lothian's S5 Numeracy performance at SCQF Level 5 across the five years is lower than the Virtual Comparator with the exception of 2013; and
 - And is lower at SCQF Level 6 across the five years with the exception of 2014.

Table 7: Literacy and Numeracy achievement for the full S4 year group by the end of S6 in each year from 2011/12 to 2015/16

	Year	Literacy				Numeracy			
		3+	4+	5+	6+	3+	4+	5+	6+
East Lothian	2011/12	91.17	88.50	65.04	43.51	91.90	78.56	51.33	26.13
	2012/13	91.80	87.89	65.21	43.17	93.62	79.14	52.46	26.32
	2013/14	93.83	90.52	66.64	42.31	94.45	80.68	53.85	27.64
	2014/15	94.05	91.69	65.72	46.84	92.45	81.59	53.82	28.05
	2015/16	95.47	92.67	75.31	53.42	94.70	86.60	62.30	25.46
	+/- on 2015	1.42	0.98	9.59	6.58	2.25	5.01	8.48	-2.59
	3yr ave	94.45	91.63	69.22	47.52	93.87	82.96	56.66	27.05
	5yr trend ¹	1.08	1.04	2.57	2.48	0.70	2.01	2.74	-0.17
Virtual Comparator	2011/12	94.16	91.47	67.06	45.10	92.53	79.76	56.99	32.02
	2012/13	94.04	91.29	67.98	45.88	92.94	80.08	57.46	31.39
	2013/14	94.62	91.49	68.56	46.97	93.69	80.27	58.34	32.10
	2014/15	94.68	92.12	70.96	49.41	93.71	82.17	60.60	33.03
	2015/16	95.31	92.41	76.62	53.79	94.18	87.40	65.59	30.33
	+/- on 2015	0.63	0.29	5.66	4.38	0.47	5.23	4.99	-2.70
	3yr ave	94.87	92.01	72.05	50.06	93.86	83.28	61.51	31.82
	5yr trend ¹	0.29	0.23	2.39	2.17	0.41	1.91	2.15	-0.42
National	2011/12	92.20	88.29	60.68	39.44	90.59	74.13	51.00	27.64
	2012/13	93.00	89.20	63.49	41.26	91.94	76.41	53.16	28.01
	2013/14	94.17	90.64	65.35	43.49	93.04	77.98	55.13	29.54
	2014/15	94.48	91.36	67.94	45.90	93.36	80.23	57.33	30.49
	2015/16	95.19	91.94	75.03	51.92	94.09	86.40	63.92	28.59
	+/- on 2015	0.71	0.58	7.09	6.02	0.73	6.17	6.59	-1.90
	3yr ave	94.61	91.31	69.44	47.10	93.50	81.54	58.79	29.54
	5yr trend ¹	0.75	0.91	3.59	3.12	0.88	3.07	3.23	0.24

Comments on Table 7:

- **S6 Literacy Achievement** - East Lothian's S6 performance across SCQF Levels 3 to 6 for Literacy shows an improved trend over the five-year period with the 2016 performance showing further improvement on the previous year, particularly at SCQF Level 5 (+10%) and SCQF Level 6 (+7%).

- East Lothian's S6 % performance across the SCQF levels has typically been in line with its Virtual Comparator and in line with or above the national average with the exception of SCQF Level 5 in 2015 where Insight testing found that the following comparison was significant:
 - East Lothian's S6 Literacy performance at SCQF Level 5 in 2015 is lower than the Virtual Comparator.
- **S6 Numeracy Achievement** - East Lothian's S6 performance across SCQF Levels 3 to 5 for Numeracy shows an improved trend over the five-year period with the 2016 performance showing further improvement on the previous year, particularly at SCQF Level 5 (+8%) while SCQF Level 6 shows a drop of 3%.
- East Lothian's S6 % performance at SCQF Levels 3 and 4 have typically been in line with its Virtual Comparator and in line with or above the national average. At SCQF Levels 5 & 6 the performance has typically been lower. Insight testing has found that the following comparisons were significant:
 - East Lothian's S6 Numeracy performance at SCQF Level 5 across the five years is lower than the Virtual Comparator with the exception of 2016; and
 - And is lower at SCQF Level 6 across the five years.

4. Local Benchmarking Measure: Attainment versus deprivation (S5 & S6)

This measure considers attainment of candidates at each stage broken down into ten deciles according to the Scottish Index of Multiple Deprivation (SIMD). Decile 1 refers to the attainment of pupils whose postcodes are in the 10% most deprived datazones in Scotland, while decile 10 refers to pupils with postcodes in the top 10% of the least deprived (most affluent) datazones according to SIMD.

Tables 8 and 10 show the average total tariff scores within each SIMD decile band for the S5 and S6 year groups in East Lothian since 2011/12 compared with its Virtual Comparator. Tables 9 and 11 show the proportion of pupils in each cohort that are living within each SIMD decile.

Table 8: Average total tariff scores of the full S4 year group by the end of S5 since 2011/12, broken down by SIMD band of residence

Establishment	Year of leaving	SIMD Decile Band										
		Total No. in Cohort	Most Deprived 1	2	3	4	5	6	7	8	9	Least Deprived 10
East Lothian	2011/12	1098	329	344	402	403	499	575	650	743	694	881
	2012/13	1117	82	365	442	468	545	604	648	742	754	832
	2013/14	1064	466	429	422	448	511	610	648	850	740	876
	2014/15	1039		425	491	548	633	671	698	762	767	853
	2015/16	1081		371	462	526	572	597	682	807	857	873
	+/- on 2015	42		-54	-29	-22	-61	-74	-16	45	90	20
	3 Yr Ave	1061		408	458	507	572	626	676	806	788	867
	5 Yr Trend ¹				7	15	31	18	6	8	16	41

Establishment	Year of leaving	SIMD Decile Band										
		Total No. in Cohort	Most Deprived 1	2	3	4	5	6	7	8	9	Least Deprived 10
Virtual Comparator	2011/12	10980	450	422	451	510	561	615	677	716	771	840
	2012/13	11170	450	457	475	518	592	614	671	707	767	859
	2013/14	10640	434	463	492	548	576	649	706	725	763	873
	2014/15	10390	481	471	494	545	603	657	666	710	811	867
	2015/16	10810	455	465	522	577	611	613	673	738	805	889
	+/- on 2015	420	-26	-6	28	32	8	-44	7	28	-6	22
	3 Yr Ave	10613	457	466	503	557	597	640	682	724	793	876
	5 Yr Trend ¹			1	11	18	17	13	-1	-1	6	9

Comments on Table 8:

- East Lothian's S5 performance across the deciles across the five-year period is roughly in line with its Virtual Comparator. Where there are larger variances Insight testing has not found these to be statistically significant.
- As with the national average and the Virtual Comparator, S5 pupils living in the most deprived areas typically have a lower total tariff score on average than those pupils living in the least deprived areas.

Table 9 below shows the full breakdown of East Lothian's S5 year group living within each of the ten SIMD deciles over the last five years.

Table 9: Percentage of East Lothian S5 year group within each SIMD Decile Band since 2011/12

Establishment	Year of leaving	% of Total Cohort within each SIMD Decile Band										
		Total No. in Cohort	Most Deprived 1	2	3	4	5	6	7	8	9	Least Deprived 10
East Lothian	2011/12	1098	0.1	4.9	10.8	10.0	12.0	7.8	26.1	9.3	7.2	11.8
	2012/13	1117	0.2	5.5	13.0	8.5	11.3	6.7	25.5	9.4	6.0	14.0
	2013/14	1064	0.1	4.9	10.0	10.0	10.1	8.3	27.6	10.7	7.1	11.4
	2014/15	1039	0.0	5.6	10.0	7.2	10.6	7.2	27.9	12.0	6.4	13.1
	2015/16	1081	0.0	5.1	11.5	7.7	12.4	8.0	30.4	8.4	5.7	10.8
	3 Yr Ave	1061	0.0	5.2	10.5	8.3	11.0	7.8	28.7	10.4	6.4	11.8
	5 Yr Ave	1080	0.1	5.2	11.0	8.7	11.3	7.6	27.5	10.0	6.5	12.2

Comments on Table 9:

- On average 16% of the East Lothian's S5 cohort lies within deciles 1-3 (30% most deprived areas in Scotland according to SIMD), 29% within deciles 8-10 (30% least deprived areas in Scotland) and 55% within deciles 4-7 (the remaining middle 40% of SIMD areas).

Table 10.../

Table 10: Average total tariff scores of the full S4 year group by the end of S6 since 2011/12, broken down by SIMD band of residence

Establishment	Year of leaving	SIMD Decile Band										
		Total No. in Cohort	Most Deprived 1	2	3	4	5	6	7	8	9	Least Deprived 10
East Lothian	2011/12	1087	330	556	495	601	740	832	798	1027	845	1177
	2012/13	1098	414	449	535	539	662	768	900	1076	981	1268
	2013/14	1118	500	437	632	615	791	789	920	1072	1107	1226
	2014/15	1059		525	566	587	721	842	884	1257	1033	1286
	2015/16	1037		576	624	704	893	922	985	1022	1066	1274
	+/- on 2015	-22		51	58	117	172	80	101	-235	33	-12
	3 Yr Ave	1071		513	607	635	802	851	930	1117	1069	1262
	5 Yr Trend ¹			5	32	26	38	23	47	-1	55	24
Virtual Comparator	2011/12	10870	583	560	596	673	751	802	892	980	1040	1193
	2012/13	10980	644	544	585	671	747	830	932	985	1094	1195
	2013/14	11180	667	609	633	694	802	840	915	990	1088	1227
	2014/15	10590	642	597	654	749	783	906	970	1019	1076	1237
	2015/16	10370	737	630	656	738	806	883	919	982	1149	1240
	+/- on 2015	-220	95	33	2	-11	23	-23	-51	-37	73	3
	3 Yr Ave	10713	682	612	648	727	797	876	935	997	1104	1235
	5 Yr Trend ¹			39	18	15	16	14	20	7	1	27

Comments on Table 10:

- East Lothian’s S6 performance across the deciles across the five-year period is roughly in line with its Virtual Comparator. Where there are larger variances Insight testing has not found these to be statistically significant.
- As with the national average and the Virtual Comparator, S6 pupils living in the most deprived areas typically have a lower total tariff score on average than those pupils living in the least deprived areas.

Table 11 below shows the full breakdown of East Lothian’s S6 year group living within each of the ten SIMD deciles over the last five years.

Table 11: Percentage of East Lothian S6 year group within each SIMD Decile Band since 2011/12

Establishment	Year of leaving	% of Total Cohort within each SIMD Decile Band										
		Total No. in Cohort	Most Deprived 1	2	3	4	5	6	7	8	9	Least Deprived 10
East Lothian	2011/12	1087	0.1	4.2	10.5	9.5	10.5	8.9	27.9	10.3	5.9	12.2
	2012/13	1098	0.1	4.9	10.8	9.6	11.8	7.7	26.8	8.9	7.5	11.9
	2013/14	1118	0.3	5.2	12.7	8.5	11.5	7.1	25.7	9.2	6.0	14.0
	2014/15	1059	0.0	4.3	9.9	10.4	10.0	8.5	27.8	10.7	6.9	11.5

Establishment	Year of leaving	% of Total Cohort within each SIMD Decile Band										
		Total No. in Cohort	Most Deprived 1	2	3	4	5	6	7	8	9	Least Deprived 10
	2015/16	1037	0.0	5.8	10.1	7.8	10.5	7.4	27.5	11.9	6.3	12.7
	3 Yr Ave	1071	0.1	5.1	10.9	8.9	10.7	7.7	27.0	10.6	6.4	12.7
	5 Yr Ave	1080	0.1	4.9	10.8	9.1	10.9	7.9	27.1	10.2	6.5	12.5

Comments on Table 11:

- On average 16% of the East Lothian's S6 cohort lies within deciles 1-3 (30% most deprived areas in Scotland according to SIMD), 29% within deciles 8-10 (30% least deprived areas in Scotland) and 55% within deciles 4-7 (the remaining middle 40% of SIMD areas).

5. S4, S5 & S6 Graded Course Measures: 2014 to 2016

This section reviews the performance of attainment in SQA graded courses at National 5, Higher and Advanced Higher at particular stages across East Lothian against the national average since 2013/14.

Tables 12 to 15 show the % of pupils with resulted entries who gained an award at 'Grade A-C' in each subject for the last three years. A percentage point difference between the East Lothian and National performance is also provided within each year and for the three-year average to show how East Lothian's pass rate has compares to the national average. *Note: 'Resulted entries' means those pupils who were actually presented for an award.*

Colour coding is provided to help visually indicate where the % of East Lothian passes is higher than the national rate (*positive figure in green*) and where the % is lower than the National pass rate (*negative figure in dark red*). These do not necessarily provide an indication of significance though.

In addition, information on the size of the East Lothian population presented for each course at each stage, relative to the total number of pupils at each stage has been provided in the form of '% of Base Cohort'.

When the cohort being compared relates to a small number of pupils (less than 20 as a rule of thumb provided by the Scottish Government), the trends are more likely to fluctuate over time and, therefore, are less likely to be significant.

Where the resulted entries for a course are based on a pupil cohort of less than 5 but greater than 0, the '% of ELC base cohort' information has been suppressed with an asterisk (*) to avoid identification of individual pupils.

Table 12 .../

Table 12: National 5 Courses at S4, 2014 to 2016 - % Awards at Grades A to C

National 5 Course	Entries as % of ELC S4 base cohort				2014			2015			2016			3 Yr Ave		
	2014	2015	2016	3 Yr ave	ELC	NAT	ELC % (+/-) compared to NA	ELC	NAT	ELC % (+/-) compared to NA	ELC	NAT	ELC % (+/-) compared to NA	ELC	NAT	ELC % (+/-) compared to NA
Accounting	-	*	*	*	-	83.4	-	100.0	86.1	13.9	100.0	85.0	15.0	100.0	84.8	15.2
Administration and IT	9.9%	8.4%	6.6%	8.3%	61.4	79.5	-18.1	76.7	82.0	-5.3	73.9	81.1	-7.3	70.6	80.9	-10.2
Art and Design	15.6%	15.9%	15.8%	15.8%	80.0	86.1	-6.1	76.3	87.2	-10.9	87.9	90.6	-2.6	81.4	88.0	-6.6
Biology	34.1%	26.4%	30.3%	30.3%	67.7	65.7	2.0	80.1	75.3	4.7	79.3	77.2	2.1	75.7	72.8	2.9
Business Management	22.1%	19.9%	19.3%	20.4%	80.6	81.9	-1.3	84.4	87.8	-3.4	86.9	86.2	0.7	84.0	85.3	-1.3
Chemistry	24.8%	27.1%	25.5%	25.8%	72.8	73.2	-0.4	71.6	74.6	-3.0	76.7	76.9	-0.3	73.7	74.9	-1.2
Computing Science	9.1%	10.6%	11.7%	10.5%	83.9	83.8	0.1	86.7	85.8	0.9	92.2	84.6	7.6	87.6	84.7	2.9
Design and Manufacture	8.7%	11.7%	10.7%	10.4%	76.4	91.1	-14.7	88.8	87.5	1.3	84.9	84.6	0.3	83.4	87.7	-4.3
Drama	5.4%	5.6%	4.5%	5.2%	100.0	93.6	6.4	95.0	94.0	1.0	97.8	92.3	5.5	97.6	93.3	4.3
Engineering Science	4.7%	4.9%	4.1%	4.6%	85.4	82.0	3.4	84.6	87.2	-2.6	85.4	81.8	3.5	85.1	83.7	1.4
English	54.3%	52.7%	60.7%	55.9%	87.4	87.9	-0.4	92.7	91.0	1.7	90.0	90.2	-0.1	90.1	89.7	0.4
Environmental Science	-	-	0.5%	0.5%	-	42.6	-	-	52.5	-	60.0	48.8	11.2	60.0	48.0	12.0
Fashion and Textile Technology	*	*	1.7%	*	100.0	98.0	2.0	100.0	100.0	0.0	94.1	91.7	2.4	98.0	96.6	1.5
French	22.0%	18.0%	17.9%	19.3%	80.5	86.5	-6.0	88.5	89.5	-1.0	83.1	85.4	-2.4	84.0	87.2	-3.1
Geography	20.7%	20.4%	15.9%	19.0%	75.0	77.2	-2.2	83.9	82.0	1.9	86.1	81.5	4.5	81.7	80.3	1.4
German	7.6%	1.6%	8.3%	5.8%	94.9	92.4	2.4	88.2	87.8	0.4	80.5	85.4	-4.9	87.9	88.5	-0.7
Graphic Communication	11.3%	12.6%	8.1%	10.7%	81.9	84.1	-2.2	78.4	87.9	-9.5	67.5	77.6	-10.1	75.9	83.2	-7.3
Health and Food Technology	3.9%	1.3%	1.0%	2.1%	57.5	69.7	-12.2	78.6	79.9	-1.4	70.0	85.0	-15.0	68.7	78.2	-9.5
History	24.0%	20.5%	17.2%	20.6%	64.6	82.6	-17.9	66.7	81.2	-14.5	55.3	80.0	-24.7	62.2	81.3	-19.1
Hospitality: Practical Cake Craft	1.0%	0.8%	0.6%	0.8%	100.0	91.2	8.8	100.0	90.1	9.9	100.0	73.3	26.7	100.0	84.9	15.2
Hospitality: Practical Cookery	8.6%	8.5%	9.5%	8.9%	98.9	97.5	1.4	80.2	92.0	-11.7	58.5	84.5	-26.0	79.2	91.3	-12.1
Latin	2.9%	1.2%	1.2%	1.8%	93.3	97.8	-4.5	100.0	98.4	1.6	100.0	97.0	3.0	97.8	97.7	0.1
Lifeskills Mathematics	-	-	*	*	-	58.2	-	-	35.6	-	100.0	42.1	58.0	100.0	45.3	54.7
Mathematics	34.6%	40.0%	42.3%	39.0%	77.5	72.0	5.5	68.8	70.4	-1.6	79.7	71.1	8.6	75.3	71.1	4.2
Modern Studies	25.8%	19.3%	22.6%	22.6%	78.0	81.0	-2.9	72.8	79.9	-7.1	78.1	77.4	0.7	76.3	79.4	-3.1

National 5 Course	Entries as % of ELC S4 base cohort				2014			2015			2016			3 Yr Ave		
	2014	2015	2016	3 Yr ave	ELC	NAT	ELC % (+/-) compared to NA	ELC	NAT	ELC % (+/-) compared to NA	ELC	NAT	ELC % (+/-) compared to NA	ELC	NAT	ELC % (+/-) compared to NA
Music	10.6%	11.4%	8.6%	10.2%	93.6	95.1	-1.5	95.9	96.1	-0.2	96.5	94.8	1.7	95.3	95.3	0.0
Music Technology	1.1%	1.1%	1.6%	1.3%	100.0	93.6	6.4	91.7	94.1	-2.4	93.8	87.9	5.9	95.1	91.9	3.3
Physical Education	22.9%	22.1%	23.2%	22.8%	97.9	97.6	0.3	93.6	97.2	-3.6	89.1	95.3	-6.2	93.5	96.7	-3.2
Physics	22.5%	20.9%	21.3%	21.6%	74.5	68.8	5.6	79.8	77.5	2.4	79.2	76.6	2.5	77.8	74.3	3.5
Practical Metalworking	-	0.9%	0.8%	0.9%	-	94.9	-	100.0	96.5	3.5	100.0	90.4	9.6	100.0	93.9	6.1
Practical Woodworking	1.6%	4.1%	3.2%	3.0%	100.0	94.2	5.8	86.4	95.4	-9.0	93.8	91.2	2.5	93.4	93.6	-0.2
Religious, Moral and Philosophical Studies	16.8%	8.0%	10.9%	11.9%	64.0	78.1	-14.2	61.2	80.8	-19.6	50.0	71.6	-21.6	58.4	76.9	-18.5
Spanish	2.9%	2.5%	3.0%	2.8%	93.3	90.5	2.9	88.9	89.1	-0.2	100.0	89.9	10.1	94.1	89.8	4.3

* = entries based on a pupil cohort of greater than 0 but less than 5

- = no entries in this year

20 pupils equates to approx 2% of the ELC S4 base cohort on average

Comments on East Lothian's S4 performance across the National 5 courses listed in Table 12 above:

- Nat 5 performance at S4 in 2016 in Art & Design (88%), Business Management (87%), Chemistry (77%), Computing Science (92%), Geography (86%), Maths (80%), Music (97%) and Spanish (100%) was at its highest rate over the three year period in East Lothian.
- East Lothian's S4 performance in 2016 in Computing Science, Drama, Mathematics and Spanish were between 5% and 10% above the national average.
- East Lothian S4 students also performed higher in Accounting (+15%), Environmental Science (+11%), Hospitality: Practical Cake Craft (+27%), Lifeskills Mathematics (+58%), Music Technology (+6%) and Practical Metalworking (10%). *It should be noted that these particular courses are based on the performance of less than 20 pupils and therefore trends are more likely to fluctuate over time and less likely to be significant.*
- Biology, Drama, Hospitality: Practical Cake Craft and Physics have been consistently above the national pass rate over the last 3 years with a 100% pass rate consistently being achieved in Hospitality: Practical Cake Craft.
- Nat 5 performance at S4 in 2016 in Graphic Communication (68%), History (55%), Hospitality: Practical Cookery (59%) and Religious, Moral & Philosophical Studies (50%) was as at its lowest rate over three year period showing a declining trend.
- East Lothian S4 students performed lower in Administration & IT (-7%), Graphic Communication (-10%), Health & Food Technology (-15%), History (-25%), Hospitality: Practical Cookery (-26%), Physical Education (-6%) and Religious, Moral and Philosophical Studies (-22%) with Administration & IT, History and Religious, Moral and Philosophical studies consistently more than 10% below the national rate over the last three years.

Table 13: Higher Courses at S5, 2014 to 2016 - % Awards at Grades A to C

Higher Course	Entries as % of ELC S5 base cohort				2014			2015			2016			3 Yr Ave		
	2014	2015	2016	3 Yr ave	ELC	NAT	ELC % (+/-) compared to NA	ELC	NAT	ELC % (+/-) compared to NA	ELC	NAT	ELC % (+/-) compared to NA	ELC	NAT	ELC % (+/-) compared to NA
Accounting	*	-	*	*	100.0	76.6	23.4	-	80.3	-	100.0	77.0	23.1	100.0	78.0	22.0
Administration and IT	2.7%	2.6%	4.5%	3.3%	56.0	76.4	-20.4	54.2	84.5	-30.3	64.3	78.4	-14.1	58.2	79.8	-21.6
Art and Design	8.4%	7.9%	9.8%	8.7%	89.6	90.3	-0.7	90.3	89.0	1.3	83.7	82.0	1.7	87.9	87.1	0.8
Biology	13.3%	16.0%	16.2%	15.2%	82.1	73.6	8.5	72.6	77.4	-4.8	75.0	72.9	2.1	76.6	74.6	1.9
Business Management	15.9%	12.4%	13.7%	14.0%	67.4	77.7	-10.3	85.8	81.7	4.1	78.3	76.3	2.0	77.2	78.6	-1.4
Chemistry	12.3%	13.6%	15.1%	13.6%	80.5	79.5	1.0	81.5	76.7	4.7	73.2	78.3	-5.0	78.4	78.2	0.2
Classical Studies	0.5%	-	-	0.5%	60.0	74.7	-14.7	-	85.5	-	-	70.2	-	60.0	76.8	-16.8
Computing Science	4.3%	4.7%	5.5%	4.9%	82.5	74.6	7.9	74.4	70.5	3.9	65.4	72.7	-7.3	74.1	72.6	1.5
Design and Manufacture	-	2.7%	4.9%	3.8%	-	-	-	44.0	67.3	-23.3	47.8	61.6	-13.7	45.9	64.4	-18.5
Drama	3.0%	3.9%	2.9%	3.3%	85.7	90.2	-4.5	86.1	90.4	-4.3	88.9	88.4	0.5	86.9	89.7	-2.8
Economics	0.7%	*	*	*	83.3	79.6	3.7	100.0	83.6	16.4	100.0	78.8	21.2	94.4	80.7	13.8
Engineering Science	-	1.3%	3.0%	2.1%	-	-	-	91.7	74.7	16.9	82.1	73.2	9.0	86.9	74.0	13.0
English	34.1%	48.7%	50.1%	44.3%	83.8	81.7	2.1	83.6	83.8	-0.2	87.5	82.5	5.0	84.9	82.7	2.3
English for Speakers of Other Languages	-	*	-	*	-	97.0	-	100.0	97.1	2.9	-	92.8	-	100.0	95.6	4.4
Fashion and Textile Technology	-	-	*	*	-	87.1	-	-	95.2	-	0.0	85.5	-85.5	0.0	89.3	-89.3
French	7.7%	6.4%	8.1%	7.4%	80.3	86.4	-6.1	81.0	86.9	-5.9	88.2	88.5	-0.3	83.2	87.2	-4.1
Geography	14.9%	11.1%	12.8%	12.9%	87.6	76.5	11.1	80.2	77.8	2.4	75.0	74.3	0.7	80.9	76.2	4.7
German	1.0%	3.5%	1.3%	1.9%	100.0	74.7	25.4	62.5	78.8	-16.3	75.0	89.6	-14.6	79.2	81.0	-1.8
Graphic Communication	5.7%	5.9%	6.7%	6.1%	75.5	81.4	-5.9	87.0	82.4	4.6	76.2	71.4	4.8	79.6	78.4	1.2
Health and Food Technology	0.8%	0.7%	0.9%	0.8%	100.0	78.7	21.3	33.3	76.1	-42.7	62.5	72.7	-10.2	65.3	75.8	-10.5
History	11.8%	15.4%	12.3%	13.2%	76.2	87.3	-11.1	78.0	87.1	-9.1	81.9	88.1	-6.2	78.7	87.5	-8.8
Human Biology	2.3%	5.1%	5.3%	4.2%	85.7	80.2	5.5	78.7	77.0	1.8	82.0	75.9	6.1	82.1	77.7	4.5
Latin	0.9%	0.8%	-	0.8%	87.5	91.2	-3.7	71.4	92.0	-20.6	-	88.3	-	79.5	90.5	-11.0
Mathematics	26.7%	24.2%	23.9%	24.9%	75.2	76.7	-1.5	80.1	77.5	2.6	78.7	76.7	2.0	78.0	77.0	1.0

Higher Course	Entries as % of ELC S5 base cohort				2014			2015			2016			3 Yr Ave		
	2014	2015	2016	3 Yr ave	ELC	NAT	ELC % (+/-) compared to NA	ELC	NAT	ELC % (+/-) compared to NA	ELC	NAT	ELC % (+/-) compared to NA	ELC	NAT	ELC % (+/-) compared to NA
Media	-	*	-	*	-	77.9	-	100.0	76.2	23.8	-	72.7	-	100.0	75.6	24.4
Modern Studies	14.8%	17.4%	12.2%	14.8%	70.6	80.4	-9.8	73.6	75.1	-1.5	73.9	72.8	1.1	72.7	76.1	-3.4
Music	6.3%	6.7%	8.0%	7.0%	96.6	94.5	2.0	93.4	95.7	-2.3	90.7	95.1	-4.4	93.6	95.1	-1.5
Music Technology	-	0.8%	0.6%	0.7%	-	-	-	100.0	89.1	10.9	66.7	86.3	-19.7	83.3	87.7	-4.4
Philosophy	1.1%	*	-	*	20.0	61.3	-41.3	100.0	72.7	27.3	-	74.2	-	60.0	69.4	-9.4
Photography	-	-	0.9%	0.9%	-	89.6	-	-	86.1	-	87.5	73.9	13.6	87.5	83.2	4.3
Physical Education	8.8%	16.3%	16.4%	13.8%	95.1	88.8	6.3	89.9	90.7	-0.8	90.3	89.3	0.9	91.8	89.6	2.2
Physics	13.1%	12.3%	11.9%	12.4%	74.4	77.1	-2.7	81.3	77.6	3.7	78.6	76.2	2.4	78.1	77.0	1.1
Psychology	*	-	-	*	100.0	72.4	27.6	-	68.5	-	-	71.4	-	100.0	70.8	29.2
Religious, Moral and Philosophical Studies	4.5%	3.6%	3.4%	3.8%	53.7	69.2	-15.6	81.8	75.4	6.4	65.6	63.7	1.9	67.0	69.5	-2.4
Sociology	*	-	-	*	100.0	73.5	26.5	-	65.1	-	-	70.1	-	100.0	69.6	30.4
Spanish	*	1.5%	1.2%	*	100.0	85.1	14.9	71.4	86.1	-14.7	90.9	88.2	2.7	87.4	86.5	1.0

* = entries based on a pupil cohort of greater than 0 but less than 5

- = no entries in this year

20 pupils equates to approx 2% of the ELC S5 base cohort on average

Comments on East Lothian's S5 performance across the Higher courses listed in Table 13 above:

- Higher performance at S5 in 2016 in Administration & IT (64%), Drama (89%), English (88%), French (88%), and History (82%) was at its highest rate over the three year period in East Lothian.
- Engineering Science, English, Graphic Communication, and Human Biology were between 5% and 9% above the national average in 2016.
- East Lothian S5 students also performed higher in Accounting (+23%, Economics (+21%) and Photography (+14%). It should be noted that these particular courses are based on the performance of less than 20 pupils and therefore trends are more likely to fluctuate over time and less likely to be significant.
- Geography and Human Biology have been consistently above the national pass rate over the last 3 years.
- Higher performance at S5 in 2016 in Arts & Design (84%), Chemistry (73%), Computing Science (65%), Geography (75%) and Religious, Moral & Philosophical Studies (66%) was at its lowest rate over the three year period in East Lothian.
- East Lothian S5 students performed lower than the national average in Administration & IT (-14%), Chemistry (-5%), Computing Science (-7%), Design and Manufacture (-14%), German (-15%), History (-6%), Health and Food Technology (-10%) and Music Technology (-20%).
- Administration & IT, History and Design and Manufacture have been consistently more than 6% below the national pass rate over the last three years.

Table 14: Higher Courses at S6, 2014 to 2016 - % Awards at Grades A to C

Higher Course	Entries as % of ELC S6 base cohort				2014			2015			2016			3 Yr Ave		
	2014	2015	2016	3 Yr ave	ELC	NAT	ELC % (+/-) compared to NA	ELC	NAT	ELC % (+/-) compared to NA	ELC	NAT	ELC % (+/-) compared to NA	ELC	NAT	ELC % (+/-) compared to NA
Accounting	2.1%	*	-	*	13.3	66.9	-53.6	50.0	69.7	-19.7	-	75.6	-	31.7	70.8	-39.1
Administration and IT	3.6%	5.2%	7.9%	5.6%	61.5	79.0	-17.4	77.1	86.5	-9.3	83.0	77.2	5.8	73.9	80.9	-7.0
Art and Design	4.8%	3.6%	3.7%	4.0%	74.3	83.2	-8.9	83.3	81.1	2.2	72.0	71.2	0.8	76.5	78.5	-2.0
Biology	9.7%	6.3%	11.5%	9.1%	60.0	58.1	1.9	54.8	57.4	-2.6	50.7	50.1	0.6	55.1	55.2	0.0
Business Management	14.9%	18.7%	18.0%	17.2%	69.4	74.6	-5.2	75.2	78.1	-2.9	75.2	71.7	3.5	73.3	74.8	-1.5
Chemistry	5.4%	4.5%	3.9%	4.6%	61.5	64.4	-2.9	63.3	60.6	2.7	61.5	61.0	0.5	62.1	62.0	0.1
Classical Studies	1.1%	-	-	1.1%	25.0	78.2	-53.2	-	81.3	-	-	75.5	-	25.0	78.3	-53.3
Computing Science	5.4%	2.5%	1.6%	3.2%	61.5	63.2	-1.6	47.1	61.0	-13.9	54.6	59.8	-5.3	54.4	61.3	-6.9
Dance	0.7%	*	-	*	100.0	95.7	4.3	100.0	96.2	3.8	-	92.5	-	100.0	94.8	5.2
Design and Manufacture	-	3.6%	2.7%	3.1%	-	-	-	95.8	70.9	24.9	72.2	58.7	13.5	84.0	64.8	19.2
Drama	2.4%	3.0%	3.6%	3.0%	88.2	88.2	0.1	90.0	87.7	2.3	79.2	87.2	-8.0	85.8	87.7	-1.9
Economics	5.7%	7.6%	5.2%	6.2%	65.9	71.4	-5.6	78.4	78.2	0.2	65.7	72.2	-6.5	70.0	73.9	-4.0
Engineering Science	-	1.5%	1.3%	1.4%	-	-	-	70.0	73.0	-3.0	77.8	73.1	4.7	73.9	73.0	0.9
English	25.4%	32.5%	24.0%	27.3%	61.4	64.3	-2.9	72.9	67.9	5.0	64.0	65.0	-1.0	66.1	65.7	0.4
English for Speakers of Other Languages	0.8%	*	-	0.8%	83.3	93.6	-10.3	100.0	96.8	3.2	-	90.2	-	91.7	93.6	-1.9
Fashion and Textile Technology	-	*	*	*	-	84.9	-	100.0	90.9	9.1	100.0	88.2	11.8	100.0	88.0	12.0
French	4.1%	3.0%	3.0%	3.4%	83.3	80.6	2.7	80.0	81.0	-1.0	75.0	84.1	-9.1	79.4	81.9	-2.5
Geography	10.0%	8.4%	9.7%	9.3%	79.2	69.7	9.4	73.2	67.6	5.6	69.2	65.9	3.3	73.9	67.7	6.1
German	1.7%	*	1.8%	*	75.0	75.0	0.0	100.0	79.5	20.5	75.0	92.1	-17.1	83.3	82.2	1.1
Graphic Communication	3.6%	4.0%	4.6%	4.1%	76.9	76.8	0.1	63.0	73.8	-10.8	58.1	63.7	-5.7	66.0	71.4	-5.5
Health and Food Technology	0.8%	*	*	*	66.7	82.2	-15.6	33.3	73.4	-40.1	100.0	66.1	33.9	66.7	73.9	-7.2
History	8.2%	6.3%	8.5%	7.6%	76.3	87.1	-10.9	71.4	83.6	-12.1	84.2	82.4	1.8	77.3	84.4	-7.1
Human Biology	2.1%	5.8%	2.7%	3.5%	46.7	65.6	-18.9	48.7	59.3	-10.6	55.6	56.6	-1.0	50.3	60.5	-10.2
Latin	*	*	*	*	100.0	89.7	10.3	100.0	96.7	3.3	100.0	92.3	7.7	100.0	92.9	7.1

Higher Course	Entries as % of ELC S6 base cohort				2014			2015			2016			3 Yr Ave		
	2014	2015	2016	3 Yr ave	ELC	NAT	ELC % (+/-) compared to NA	ELC	NAT	ELC % (+/-) compared to NA	ELC	NAT	ELC % (+/-) compared to NA	ELC	NAT	ELC % (+/-) compared to NA
Mandarin (Simplified)	-	*	-	*	-	88.9	-	100.0	92.3	7.7	-	88.9	-	100.0	90.0	10.0
Mathematics	15.6%	12.2%	10.9%	12.9%	54.0	59.0	-5.1	54.9	57.0	-2.1	64.4	57.7	6.7	57.7	57.9	-0.2
Media	0.8%	1.8%	2.1%	1.6%	0.0	75.7	-75.7	83.3	72.6	10.8	85.7	66.4	19.3	56.3	71.5	-15.2
Modern Studies	10.7%	9.6%	7.4%	9.2%	67.5	80.0	-12.5	70.3	71.7	-1.4	72.0	70.8	1.2	69.9	74.2	-4.2
Music	4.4%	2.2%	4.6%	3.8%	90.6	92.5	-1.8	86.7	93.2	-6.6	96.8	94.0	2.8	91.4	93.2	-1.9
Music Technology	-	-	1.2%	1.2%	-	-	-	-	86.2	-	75.0	87.5	-12.5	75.0	86.8	-11.8
Philosophy	7.2%	2.8%	1.0%	3.7%	53.9	68.0	-14.1	68.4	67.4	1.0	100.0	66.8	33.2	74.1	67.4	6.7
Photography	1.8%	2.5%	2.1%	2.1%	100.0	92.3	7.7	82.4	89.2	-6.8	78.6	77.3	1.3	87.0	86.2	0.7
Physical Education	8.0%	8.1%	8.5%	8.2%	89.7	88.1	1.5	90.7	90.7	0.0	82.5	87.6	-5.1	87.6	88.8	-1.2
Physics	8.6%	5.7%	4.6%	6.3%	71.0	66.1	4.9	52.6	62.6	-9.9	51.6	60.4	-8.8	58.4	63.0	-4.6
Psychology	8.2%	10.0%	8.8%	9.0%	71.2	73.1	-2.0	79.1	71.8	7.3	78.0	70.5	7.4	76.1	71.8	4.3
Religious, Moral and Philosophical Studies	8.0%	7.8%	9.8%	8.5%	55.2	74.6	-19.4	65.4	76.1	-10.8	63.6	63.5	0.2	61.4	71.4	-10.0
Sociology	1.5%	-	-	1.5%	72.7	73.1	-0.4	-	74.5	-	-	67.6	-	72.7	71.7	1.0
Spanish	0.7%	*	*	*	100.0	84.2	15.8	100.0	81.6	18.4	100.0	84.8	15.2	100.0	83.5	16.5

* = entries based on a pupil cohort of greater than 0 but less than 5

- = no entries in this year

20 pupils equates to approx 3% of the ELC S6 base cohort on average

Comments on East Lothian's S6 performance across the Higher courses listed in Table 14 above:

- Higher performance at S6 in 2016 in Administration & IT (83%), History (84%), Human Biology (56%), Maths (64%), Modern Studies (72%) and Music (97%) was at its highest rate over the three year period in East Lothian.
- Administration and IT, Design and Manufacture, Mathematics, and Psychology were between 6% and 14% above the national average in 2016.
- East Lothian S6 students also performed higher in Engineering Science (+5%), Health and Food Technology (+34%), Latin (+8%), Media (19%), Philosophy (33%) and Spanish (+15%). It should be noted that these particular courses are based on the performance of less than 20 pupils and therefore trends are more likely to fluctuate over time and less likely to be significant.
- Geography, Latin and Spanish have been consistently above the national pass rate over the last 3 years with a 100% pass rate consistently in Spanish and Latin.

- Higher performance at S6 in 2016 in Art & Design (72%), Biology (51%), Drama (79%), French (75%), Graphic Communication (58%), Physical Education (83%) and Physics (52%) was at its lowest rate over the three year period in East Lothian.
- East Lothian S6 students performed lower in Drama (-8%), Economics (-7%), French (-9%), Graphic Communication (-6%), Physical Education (-5%) and Physics (-9%).
- Computing Science and Human Biology have been consistently below the national pass rate over the last three years.

Table 15: Advanced Higher Courses at S6, 2014 to 2016 - % Awards at Grades A to C

Advanced Higher Course	Entries as % of ELC S6 base cohort				2014			2015			2016			3 Yr Ave		
	2014	2015	2016	3 Yr ave	ELC	NAT	ELC % (+/-) compared to NA	ELC	NAT	ELC % (+/-) compared to NA	ELC	NAT	ELC % (+/-) compared to NA	ELC	NAT	ELC % (+/-) compared to NA
Art and Design (Design)	2.1%	1.6%	1.0%	1.6%	93.3	93.2	0.1	100.0	88.4	11.6	57.1	87.5	-30.4	83.5	89.7	-6.2
Art and Design (Expressive)	1.7%	2.1%	2.1%	1.9%	91.7	93.4	-1.8	78.6	90.3	-11.7	92.9	86.5	6.4	87.7	90.1	-2.4
Biology	-	-	5.2%	5.2%	-	86.7	-	-	77.3	-	74.3	77.0	-2.7	74.3	80.3	-6.0
Business Management	1.1%	2.2%	1.9%	1.8%	37.5	59.5	-22.0	33.3	62.0	-28.7	61.5	69.3	-7.8	44.1	63.6	-19.5
Chemistry	-	-	6.0%	6.0%	-	81.2	-	-	74.3	-	82.5	80.7	1.8	82.5	78.7	3.8
Classical Studies	-	*	-	*	-	100.0	-	0.0	92.9	-92.9	-	77.3	-	0.0	90.0	-90.0
Computing Science	-	-	1.8%	1.8%	-	-	-	-	-	-	75.0	70.6	4.4	75.0	70.6	4.4
Drama	-	0.9%	0.7%	0.8%	-	81.1	-	100.0	81.9	18.1	100.0	80.9	19.1	100.0	81.3	18.7
Engineering Science	-	-	*	*	-	-	-	-	-	-	100.0	75.4	24.6	100.0	75.4	24.6
English	5.5%	3.9%	7.3%	5.6%	80.0	84.1	-4.1	92.3	80.8	11.5	85.7	78.5	7.2	86.0	81.1	4.9
French	1.4%	3.0%	1.9%	2.1%	90.0	77.9	12.1	65.0	79.2	-14.2	92.3	80.9	11.4	82.4	79.4	3.1
Geography	5.1%	4.2%	4.8%	4.7%	97.3	86.8	10.6	100.0	90.9	9.1	96.9	87.6	9.2	66.0	88.4	9.6
German	0.8%	*	*	*	50.0	81.7	-31.7	100.0	78.6	21.4	100.0	80.4	19.6	83.3	80.2	3.1
Graphic Communication	-	-	3.0%	3.0%	-	-	-	-	-	-	65.0	64.6	0.4	65.0	64.6	0.4
History	2.9%	3.6%	3.9%	3.4%	95.2	86.1	9.2	95.8	83.6	12.2	80.8	83.5	-2.7	90.6	84.4	6.2
Italian	*	-	-	*	100.0	90.0	10.0	-	100.0	-	-	83.3	-	100.0	91.1	8.9
Mathematics	7.8%	7.9%	8.0%	7.9%	64.3	67.3	-3.0	67.9	66.4	1.5	70.4	70.1	0.2	67.5	67.9	-0.4
Mathematics of Mechanics	-	*	-	*	-	74.1	-	50.0	81.3	-31.3	-	71.2	-	50.0	75.5	-25.5

Advanced Higher Course	Entries as % of ELC S6 base cohort				2014			2015			2016			3 Yr Ave		
	2014	2015	2016	3 Yr ave	ELC	NAT	ELC % (+/-) compared to NA	ELC	NAT	ELC % (+/-) compared to NA	ELC	NAT	ELC % (+/-) compared to NA	ELC	NAT	ELC % (+/-) compared to NA
Modern Studies	3.3%	2.1%	4.2%	3.2%	87.5	85.0	2.5	92.9	80.5	12.4	92.9	78.1	14.8	91.1	81.2	9.9
Music	5.0%	4.2%	4.2%	4.4%	100.0	97.3	2.7	96.4	96.2	0.3	92.9	93.2	-0.3	96.4	95.5	0.9
Music Portfolio	-	*	-	*	-	100.0	-	100.0	97.6	2.4	-	84.6	-	100.0	94.1	5.9
Physical Education	1.1%	-	4.6%	2.9%	100.0	62.2	37.8	-	64.7	-	32.3	69.4	-37.2	66.1	65.4	0.7
Physics	1.0%	2.4%	5.8%	3.1%	71.4	56.3	15.2	75.0	76.9	-1.9	82.1	77.2	4.9	76.2	70.1	6.0
Religious, Moral and Philosophical Studies	*	0.8%	0.9%	*	100.0	81.7	18.3	80.0	86.4	-6.4	100.0	74.1	25.9	93.3	80.8	12.6
Spanish	*	*	*	*	50.0	78.7	-28.7	100.0	77.3	22.7	100.0	77.1	22.9	83.3	77.7	5.6

* = entries based on a pupil cohort of greater than 0 but less than 5

- = no entries in this year

20 pupils equates to approx 3% of the ELC S6 base cohort on average

Comments on East Lothian's S6 performance in 2016 across the Advanced Higher courses listed in Table 15 above:

- Advanced Higher performance at S6 in 2016 in Art & Design (Expressive) (93%), Business Management (62%), French (92%), Maths (70%), Modern Studies (93%) and Physics (82%) was at its highest rate over the three year period in East Lothian.
- English, Geography, Modern Studies and Physics were between 7% and 15% above the national average in 2016.
- East Lothian S6 students also performed higher in Art and Design (Expressive) (+6%), Drama (+19%), Engineering Science (+25%), French (+11%), German (+20%), Religious, Moral and Philosophical Studies (26%) and Spanish (23%). It should be noted that these particular courses are based on the performance of less than 20 pupils and therefore trends are more likely to fluctuate over time and less likely to be significant.
- Geography and Modern Studies has been consistently above the national pass rate over the last 3 years.
- Advanced Higher performance at S6 in 2016 in Art & Design (Design) (55%), History (81%), Music (93%) and Physical Education (33%) was at its lowest rate over the three year period in East Lothian.
- East Lothian S6 students performed lower in Art and Design (Design) (-30%), Business Management (-8%), although these are based on small cohorts, and Physical Education (-37%), although the 2016 performance in PE is on the back of a significant increase in Advanced Higher presentations for this subject.
- Business Management has been consistently below the national pass rate over the last three years.